

Risk Factors Comparison 2024-03-21 to 2023-03-30 Form: 10-K

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A summary of the principal risk factors that make investing in our securities risky and might cause our actual results to differ is set forth below. The following is only a summary of the principal risks that may materially adversely affect our business, financial condition, results of operations and cash flows. This summary should be read in conjunction with the more complete discussion of the risk factors we face, which are set forth in the section entitled “ Risk Factors ” in this Report. Risks Related to our Business and our Industry • We have generally incurred losses, and may never become or remain profitable. • Our digital marketing business is evolving in a rapidly changing market, and we cannot ensure the long- term successful operation of our business or the execution of our business plan. • ~~Adequate funds for~~ **Our success and longevity depend on our ability to generate profits from future operations and obtain sufficient capital through** ~~may not be available, requiring us to raise additional financing~~ **transactions to refinance or our else curtail debt obligations, pay any contingent consideration owed to former Reflect stockholders, and meet our activities significantly other business obligations**. • We do not have sufficient capital to engage in material research and development, which may harm our long- term growth. • ~~We are reliant on the continued support of a related party for adequate financing of our operations.~~ • The variable sales cycle of some of the combined company’ s products will likely make it difficult to predict operating results. • There has been, and we expect that there will continue to be, significant consolidation in our industry. Our failure or inability to **either lead or participate in** that consolidation would have a severe adverse impact on our access to financing, customers, technology, and human resources. • Unpredictability in financing markets could impair our ability to grow our business through acquisitions. • Our success depends on our interactive marketing technologies achieving and maintaining widespread acceptance in our targeted markets. • Our financial condition and potential for continued net losses may negatively impact our relationships with customers, prospective customers and third- party suppliers. ~~ii~~ • Because we do not have long- term binding purchase commitments from our customers, the failure to obtain anticipated orders or the deferral or cancellation of commitments could have adverse effects on our business. ~~iii~~ • Our continued growth and financial performance could be adversely affected by the loss of several key customers. • Most of our contracts are terminable by our customers with limited notice and without penalty payments, and early terminations could have a material adverse effect on our business, ~~operating results and financial condition~~, **and results of operations**. • It is common for our current and prospective customers to ~~take a long~~ **evaluate our products over an extended period of** ~~time to evaluate our products~~, most especially during economic downturns that affect our customers’ businesses, as we saw during the COVID- 19 pandemic. The lengthy and variable sales cycle makes it difficult to predict our operating results. • Our industry is characterized by frequent technological change. If we are unable to adapt our products and services and develop new products and services to keep up with these rapid changes, we will not be able to obtain or maintain market share. • ~~A portion of~~ **We operate in an intensely competitive industry, and our business involves competitors are developing products and solutions that incorporate artificial intelligence (“ AI ”) and machine learning (“ ML ”). We may not be as successful as our competitors in incorporating AI and ML into our products and solutions.** • **Issues relating to the use of new and evolving technologies in our offerings, such as AI and ML, may result in increased regulation and costs to comply with such regulations.** • ~~We use developed and licensed software technology that we have developed or licensed. Industries involving the ownership and licensing of software- based intellectual property are characterized by frequent intellectual- property litigation,~~ and we could face claims of infringement by others in the industry. Such claims are costly and add uncertainty to our operational results. • Our proprietary platform architectures and data tracking technology underlying certain of our services are complex and may contain unknown errors in design or implementation that could result in system performance failures or inability to scale. • Our business may be adversely affected by malicious applications that interfere with, or exploit security flaws in, our products and services. • We compete with other companies that have more resources, which puts us at a competitive disadvantage. • Our future success depends on key personnel and our ability to attract and retain additional personnel. • ~~We~~ **risk losing directors, officers and employees, or paying more cash compensation, if our shareholders do not approve our 2023 Stock Incentive Plan.** • ~~We~~ **are subject to cyber security risks and interruptions or failures in our information technology systems and those of third- party partners with whom our applications are integrated** and will likely need to expend additional resources to enhance our protection from such risks. Notwithstanding our efforts, a cyber incident could occur and result in information theft, data corruption, operational disruption and / or financial loss. • Our reliance on information management and transaction systems to operate our business exposes us to cyber incidents and hacking of our sensitive information if our outsourced service provider experiences a security breach. • Because our technology, products, platform, and services are complex and are deployed in and across complex environments, they may have errors or defects that could seriously harm our business. • We may have insufficient network or server capacity, which could result in interruptions in our services and loss of revenues. • Our business operations are susceptible to interruptions caused by events beyond our control. • Our competitors are constantly evolving, and we may be unable to compete successfully against existing or future competitors to our business. ~~iii~~**Risks** ~~iv~~**Risks** Related to our Securities and our Company • Our largest shareholder and senior lender possesses significant voting power with respect to our common stock, **which will limit your influence on our management and has proposed a affairs, and may discourage parties from initiating potential merger, takeover or other change- of- control transaction transactions to purchase all of our common stock that is not beneficially owned by such shareholder and its affiliates.** • Our Articles of Incorporation grant our Board of Directors the power to issue additional shares of common and preferred stock and to designate other classes of preferred stock, all without shareholder approval. • ~~We~~ **have never paid dividends on our capital stock and we do not anticipate paying** ~~intend to pay dividends in on our common stock for the foreseeable future.~~ • We do not have significant tangible assets that could be sold upon liquidation. • We can provide no assurance that our securities will continue to meet Nasdaq listing requirements. If we fail to comply with the continuing listing standards of the Nasdaq, our securities could be delisted. • ~~The impact of our 1- for- 3 reverse stock split on the future market price of our common stock, and our ability to maintain the listing of our common stock on Nasdaq, is uncertain.~~ • Significant issuances of our common stock, or the perception that significant issuances may occur in the future, could adversely affect the market price for our common stock. • **Sales of a substantial number of shares of our common stock in the public market by certain of our shareholders could cause our stock price to fall.** • There may not be an active market for shares of our common stock. General Risk Factors • Because of our limited resources, we may not have in place various processes and protections common to more mature companies and may be more susceptible to adverse events. • General global market and economic conditions may have an adverse impact on our operating performance and results of operations. ~~iv~~**EXPLANATORY** ~~v~~**EXPLANATORY** NOTE (All currency is rounded to the nearest thousand, except share and per share amounts. On March 27, 2023, the Company effectuated a 1- for- 3 reverse stock split of its outstanding common stock. This Annual Report on Form 10- K, and the Consolidated Financial Statements and Notes to Consolidated Financial Statements herein, give retroactive effect to the reverse stock split for all periods presented. The shares of common stock retained a par value of \$ 0. 01 per share.)PART I ITEM 1 BUSINESS Our Company Creative Realities, Inc. (“ Creative Realities ”, or the “ Company ”, “ we ”, “ us ” or “ our ”) provides **innovative digital signage and media** solutions to enhance communications in a wide- ranging variety of out- of- home environments, ~~by providing innovative digital signage solutions for~~ key market segments and use cases, including: • Retail • Entertainment and Sports Venues • Restaurants, including quick- serve restaurants (“ QSR ”) • Convenience Stores • Financial Services • Automotive • Medical and Healthcare Facilities • Mixed Use Developments • Corporate Communications, Employee Experience • Digital out of Home (~~“ DOOH ”~~) • Advertising Networks We serve market- leading companies, so there is a good chance that if you leave your home today to shop, work, eat or play, you will encounter one or more of our digital signage experiences. Our solutions are increasingly **visible** ~~viable~~ because we help our enterprise ~~clients~~ **customers** achieve a wide range of business objectives including: • Increased brand awareness / engagement • Improved customer support • Enhanced employee productivity and satisfaction • Increased revenue and profitability • Improved guest experience • Increased customer / guest engagement IThrough a combination of organically grown platforms and a series of strategic acquisitions, including our recent acquisition of Reflect Systems, Inc., **a Delaware corporation (“ Reflect ”)**, in February 2022, the Company assists ~~clients~~ **customers** to design, deploy, manage, and monetize their digital signage networks. The Company sources leads and opportunities for its solutions through its digital and content marketing initiatives, close relationships with key industry partners, equipment manufacturers, and the direct efforts of its in- house industry sales experts. ~~Client~~ **Customer** engagements focus on consultative conversations that ensure the Company’ s solutions are positioned to help ~~clients~~ **customers** achieve their business objectives in the most cost- effective manner possible. When comparing Creative Realities to other digital signage competitors, our customers value the following competitive advantages: • Breadth of solutions – Creative Realities offers true solutions to our ~~clients~~ **customers**. Creative Realities is one of only a few companies in the industry capable of providing the full portfolio of products and services required to implement and run an effective digital signage network. We leverage a ‘ single vendor’ approach, providing ~~clients~~ **customers** with a one- stop- shop for sourcing digital signage solutions from design through day two services. • Managed labor pool – Unlike most companies in our industry, we have a curated labor pool **including thousands** of qualified and vetted field technicians available to service ~~clients~~ **customers** quickly nationwide. We can meet tight schedules even in exceptionally large deployments and still ensure quality and consistency. • In- house creative resources – We assist ~~clients~~ **customers** in

creating new content or repurposing existing content for digital signage experiences, an activity for which the Company has won several design awards in recent years. In each instance, our services can be essential in helping **clients-customers** develop an effective content program. • Network scalability and reliability – Our software as a service (“ SaaS ”) content management platforms power some of the largest and most complex digital signage networks in North America, evidencing our ability to manage enterprise scale projects. This also provides us purchasing power to source products and services for our customers, enabling us to deliver cost effective, reliable, and powerful solutions to small and medium size business **clients-customers**. • Ad management platform – Our customers are increasingly interested in monetizing their digital signage networks through advertising content. However, efficiently scheduling advertising content into digital signage playlists to meet campaign objectives can be a challenging and labor- intensive process **for our customers**. AdLogic, our home- grown, content management- agnostic platform, automates this process, allowing network owners to capture more revenue with less expense. • Media sales – Few, ~~if any other~~ digital signage solution providers, ~~can offer their~~ **clients-customers** media sales as a service. We have in- house media sales expertise to elevate conversations with our **clients-customers** interested in better understanding network monetization. We believe this meaningful differentiation in the sales process provides **us** an additional revenue stream to **Creative Realities** compared to our competitors. • Market sector expertise – Creative Realities has in- house experts in key market segments such as automotive, retail, quick- serve restaurants (“ QSR ”), convenience stores, and Digital Out of Home (“ DOOH ”) advertising. Our expertise in these business segments enables our teams to provide meaningful business conversations and offer tailored solutions with prospects and customers to their unique business objectives. These experts build industry relationship and create thought leadership that drives lead flow and new opportunities for our business. • Logistics – Implementing a large digital signage project can be a **logistics logistical** nightmare that can stall an initiative, even before deployment. Our expertise in logistics improves deployment efficiency, reduces delays and problems, and saves customers time and money. • Technical support – Digital signage networks present unique challenges for corporate IT departments. **We Creative Realities helps** simplify and improve end user support by leveraging our own Network Operations Center (“ NOC ”) in Louisville, Kentucky. The NOC resolves many issues remotely and when field support is required, it can be dispatched quickly from the NOC, leveraging our managed labor pool to resolve customer issues quickly and effectively. 2 • Integrations and Application Development – The future of digital signage is not still images and videos on a screen. **We believe that Interactive interactive** applications and integrations with other data sources will dominate the future. From social media feeds, mobile integrations, corporate data stores, or Point of Sale (“ POS ”) systems, our proven ability to build scalable applications and integrations is a key advantage **clients-that customers** can leverage to deliver more compelling and engaging experiences for their customers. 2 • Hardware support – A number of digital signage providers sell a proprietary media player or align themselves with just one operating system. We utilize a range of media players including Windows, Android and BrightSign to provide **clients-customers** the flexibility they need to select the appropriate hardware for any application knowing the entire network can still be served by a single digital signage platform, reducing complexity and improving the productivity of **their teams-our customers**. The three primary sources of revenue for the **company-Company** are: • Hardware sales from reselling digital signage hardware from original equipment manufacturers such as Samsung and BrightSign. • Services revenue from helping customers design, deploy and manage their digital signage network, including: o Hardware system design / engineering o Hardware installation o Content development o Content scheduling o Post- deployment network and field support o Media sales, ~~as a result of our acquisition of Reflect~~ • Recurring subscription licensing and support revenue from our digital signage software platforms, which are generally sold via a SaaS model. **These Our platforms** include: o ReflectView, the Company’s core digital signage platform for most applications, scalable and cost effective from 10 to 100, 000 devices ; o Reflect Xperience, a web- based interface that allows customers to give content scheduling access to local users via the web or mobile devices, while still maintaining centralized programming control ; o Reflect AdLogic, the Company’s ad management platform for digital signage networks, which presently delivers approximately 50 million ads daily ; o Reflect-Clarity, the Company’s menu board solution, which has become a market leader for a range of restaurant and convenience store applications ; o Reflect Zero Touch, which allows customers to turn any screen into an interactive experience by allowing guests to engage using their mobile device ; o iShowroomProX, an omni- channel digital sales support platform targeted at original equipment manufacturers in the transportation sector, which integrates with dozens of key data services including dealer inventory at the VIN level ; and o OSx, a digital VIN- level checklist used to assist in the tracking and delivery of new vehicles in the transportation sector, providing measurable lift in customer satisfaction scores and connected vehicle enrollments and subscription activations. 3 ~~While~~ **While** hardware sales and support services revenues can fluctuate more significantly year over year based on new, large- scale network deployments, the Company expects to see continuous growth in recurring SaaS revenue for the foreseeable future as digital signage adoption / utilization continues to expand across the vertical markets we serve. ~~We~~ **We** believe that the adoption and evolution of our digital signage technology solutions will increase substantially in years to come in the industries in which we currently focus and in others ; ~~however it has been delayed in recent years~~. **First Throughout the COVID- 19 pandemic**, our current and potential customer base reduced capital expenditures ~~as a result of the COVID- 19 pandemic~~, including capital expenditures that we believe would have been used to implement digital technology solutions. The costs of hardware configurations and software media players used to process and display content ~~have also increased recently during that period as a result of supply constraints for semiconductors, a key input to both digital display and digital media player products~~. Throughout 2021, we faced significant supply chain challenges which limited the availability of each of these components to our sold solutions ; ~~however, and expect the availability of those products to continue to face supply constraints at least through have materially subsided and the cost first half of 2022 hardware products has again begun to reduce in the most recent trailing twelve month period~~. **We Nevertheless, we** believe that the costs of such hardware will decrease over time as it has done so historically, and will do so at an accelerating rate. Flat panel displays and players typically constitute a large portion of the expenditure customers make relative to the entire cost of implementing a digital marketing system implementation and can be a barrier to customer deployment. As a result, we believe that the broader adoption of digital marketing technology solutions is likely to increase, although we cannot predict the rate at which such adoption will occur. Another **key** component of our business strategy, given the evolving dynamics of the industry in which we operate, is to acquire and integrate other operating companies in the industry in conjunction with pursuing our organic growth objectives. We believe that the selective acquisition and successful integration of certain companies will: accelerate our growth in targeted vertical and operating markets; enable us to cost- effectively aggregate multiple customer bases onto a single business and technology platform; provide us with greater operating scale on a consolidated basis; enable us to leverage a common set of processes and tools, and cost efficiencies company- wide; and ultimately result in higher operating profitability and cash flow from operations. Our management team’s **primary focus is the continued acceleration of organic growth, but secondarily** evaluates acquisition opportunities on an ongoing basis. Our management team and Board of Directors have broad experience with the execution, integration, and financing of acquisitions **and seek only accretive strategic transactions with material cost synergies as a result of overlapping or concurrent content management system capabilities with focus on eliminating the associated cost structure for these systems**. We believe that the COVID- 19 pandemic has adversely affected our smaller competitors, and as a result, there may exist acquisition opportunities in the future. We also believe that, based on the foregoing, we can successfully serve as a consolidator of multiple business and technology platforms serving similar markets. As part of our acquisition strategy, we acquired Allure **Global Solutions, Inc., a Georgia corporation (“ Allure ”)** in 2018, and Reflect in February 2022. Business Strategy We believe that our existing business model is highly scalable and can be expanded successfully as we continue to grow organically, seek to acquire and integrate other companies in our target markets, strengthen our operational practices and procedures, further streamline our administrative office functions, and continue to capitalize on various marketing programs and activities. 4 ~~Industry~~ **Industry** Background We believe certain digital marketing technology industry trends are creating the opportunity for retailers, brands, venue- operators, enterprises, non- profits and other organizations to create innovative shopping, marketing, and informational experiences for their customers and other stakeholders in various venues worldwide. These trends include: (i) the expectations of technology- savvy consumers; (ii) addressing on- line competitors by improving physical experiences; (iii) a decline in the cost of hardware configurations (primarily flat panel displays) and software media players; (iv) the continued evolution of mobile, social, software and hardware technologies, applications and tools; (v) increasing sophistication of social networking platforms; (vi) increasingly complex customer requirements related to their specific digital marketing technology and solution objectives; and (vii) ~~customers- customer expectations challenging service providers with the delivery of a satisfactory consumer experience experiences with reduced the traditional pressure on reducing installation and ongoing operating costs~~. As a result, a growing number of retailers, brands, venue- operators, and other organizations have identified the need and opportunity to implement increasingly **agile, automated, targeted and** cost- effective and “ sales- lifting ” digital marketing, and interactive experiences to market to their customers. These experiences include creating unique and customized experiences for targeted, timely offerings and relevant promotions; improving engagement resulting in increased sales; and increasing shopping basket size. We believe our **clients-customers** consider capitalizing on these industry trends to be increasingly critical to any successful “ store of the future ” retail and brand sales environment, especially where sales staff turnover is high, training outcomes are inconsistent and product knowledge is low. Companies are implementing various digital marketing technology solutions, which: are implemented in multiple forms and types of configurations and locations; attempt to achieve any of a broad range of individual or combination of objectives; contain various levels of targeting; have the ability to instantly manage single or multiple locations remotely from a customer’s desktop or other connected device at each location; and are built to deliver or contain a standard or customized customer experience unique to and within the customer’s environment. Examples of such solutions include: 4 • Digital

Merchandising Systems, which aim to inform and interact with customers through various types of content in an integrated experience, improve in-store customer experiences and increase overall sales, upsells, and / or cross-sales; ● Digital Sales Assistants, which aim to replace or augment existing sales resources and the level of interactive and informational sales assistance inside the store; ● Digital Way-Finders, which aim to help customers navigate their way around individual retail stores and multi-store locations or venues, or within individual brand categories; ● Digital Kiosks, which aim to provide data, specialized and customized broadcasts, promotional information and coupons, train, and other forms of information and interaction with customers in a variety of deployment forms, types, configurations and experiences; ● Digital Menu-Board Systems, which aim to enable various types of restaurant operators the ability to remotely and on a scheduled basis, update and modify menu information, promotions, and other forms of content dynamically; and ● Dynamic Digital Signage, including Advertising Networks, which aim to deliver and manage in-store marketing and advertising campaigns, specialized and customized broadcasts, and various other forms of messaging targeting customers in a particular experience or environment.

~~Our~~ **Our** Markets We currently market and sell our marketing technology solutions through our direct sales force, inside sales team, and word-of-mouth referrals from existing customers. Select strategic partnerships and lead generation programs also drive business to the Company through targeted business development initiatives. We market to companies that seek digital marketing solutions across multiple connected devices and who specifically seek or could benefit from enhancements to the customer experience offered in their stores, venues, brands or organizations. Our digital marketing technology solutions apply have application in a wide variety of industries. The industries in which we primarily sell our solutions are established and include automotive, retail apparel & accessories, banking, baby/children, beauty, CPG, department stores, digital out-of-home (“DOOH including advertising networks and retail media networks”), electronics, fashion, fitness, foodservice / quick service restaurant (“QSR”), financial services, gaming, luxury, mass merchants, mobile operators, and sports pharmacy retail; however, the planning, development, implementation and maintenance of technology-enabled experiences involving combinations of digital marketing technologies are relatively new and evolving. A Moreover, a number of participants in these industries have only recently started considering or expanding the adoption of these types of technologies, solutions, and experiences as part of their overall marketing strategies. Seasonality A portion of our customer activity is influenced by seasonal effects related to traditional end of calendar year peak retail sales periods, traditional spring stadium / venue opening seasons, and certain other factors that arise from our target customer base. Nevertheless, our revenues can be materially affected by the launch of new markets, the timing of production rollouts, and other factors, any of which have the ability to reduce or outweigh certain seasonal effects. Effect of General Economic Conditions on our Business We believe that demand for our services will increase in the future in part because of new construction and remodeling activities of pre-existing retail, convenience store, stadium, and event venues. While we do see reductions in retail footprints across the U. S., we see a continued focus on integration of digital into the retail marketplace and a focus on digital refreshes within the retail space to stay relevant in an evolving e-commerce marketplace. Recent general economic improvements generally make it easier for our customers to justify decisions to invest in digital marketing technology solutions. A change in the macroeconomic trend in the U. S. could have a negative impact on our customers’ ability and / or willingness to advance their digital initiatives. Effect of Supply Chain Constraints A key component of our business includes the sale of digital media players and digital displays, and mounts supplied by third-party parties, each of which require semiconductors to complete the manufacturing process partners. While the disruptions we experienced throughout throughout 2021 and the first half of 2022 with respect to semiconductors have mostly subsided, we experienced are still exposed to potential disruptions and delays related to fulfillment of inventory purchases from vendors as a result of increased lead times post-COVID-19 pandemic, which represent the key components to our digital signage solutions, because of a global shortage of semiconductor chips. In instances in which inventory was available, we experienced delays in the transportation of these goods from manufacturers to the Company, and in delivery of our solutions to our customers.

~~6Regulation~~ **5Regulation** We are subject to regulation by various federal and state governmental agencies. Such regulation includes radio frequency emission regulatory activities of the U. S. Federal Communications Commission, the consumer protection laws of the U. S. Federal Trade Commission, product safety regulatory activities of the U. S. Consumer Product Safety Commission, and environmental regulation in areas in which we conduct business. Some of the hardware components that we supply to customers may contain hazardous or regulated substances, such as lead. A number of U. S. states have adopted or are considering “takeback” bills addressing the disposal of electronic waste, including CRT style and flat panel monitors and computers. Electronic waste legislation is developing. Some of the bills passed or under consideration may impose on us, or on our customers or suppliers, requirements for disposal of systems we sell and the payment of additional fees to pay costs of disposal and recycling. Presently, we do not believe that any such legislation or proposed legislation will have a materially adverse impact on our business. Competition While we believe there is presently no direct competitor with the comprehensive offering of technologies, solutions, and services we provide to our customers, there are multiple individual competitors who offer pieces subsets of our solutions-product and service offerings. These include digital signage software companies such as Stratacache and Poppulo Four Winds Interactive; marketing services companies such as Sapient Nitro; or digital signage systems integrators such as SageNet. Some of these competitors may have significantly greater financial, technical, and marketing resources than we do and may be able to respond more rapidly than we can to new or emerging technologies or changes in customer requirements. We believe that our holistic sales and business development capabilities, network operations / field service management capabilities, our comprehensive offering of digital signage technology and solutions, brand awareness, and proprietary processes are the primary factors providing our competitive advantage. Major Customers **No customer accounted for more than 10 % of revenue for the year ended December 31, 2023.** We had three (3) and two (2) customers that accounted for 44.0% and 41.1% of revenue for the years year ended December 31, 2022 and 2021, respectively. We had two and three (3) and two (2) customers that in the aggregate accounted for 50 % and 49.2% and 56.6% of accounts receivable as of December 31, 2023 and 2022 and December 31, 2021, respectively. Decisions by one or more of these key customers to not renew, terminate, or substantially reduce their use of our products, technology, services, and platform could substantially slow our revenue growth and lead to a decline in revenue. Our business plan assumes continued growth in revenue, and it is unlikely that we will become profitable without a continued increase in revenue. Territories We sell products and services primarily throughout North America, with limited software licensing agreements operating in other international jurisdictions. Human Capital We have a workforce comprised of approximately 120-152 employees as of March 29-20, 2023-2024. We do not have any employees that operate under collective-bargaining agreements. Our principal offices are located at 13100 Magisterial Drive, Ste 100, Louisville, Kentucky 40223, and our telephone number at that office is (502) 791-8800. We have additional offices in the Dallas, TX, Atlanta, GA, and Windsor, Ontario (Canada) metro areas. Corporate Organization We originally incorporated and organized as a Minnesota corporation under the name “Wireless Ronin Technologies, Inc.” in March 2003 and focused on our expertise in digital media marketing solutions, including digital signage, interactive kiosks, mobile, social media, and web-based media solutions. We acquired the interactive marketing technology business that we currently operate in a 2014 merger with Creative Realities, LLC. Shortly after that merger, we changed our corporate name from “Wireless Ronin Technologies, Inc.” to “Creative Realities, Inc.” On October 15, 2015, we acquired the systems integration and marketing technology business of ConeXus World Global, LLC. On November 20, 2018, we acquired Allure Global Solutions, Inc., an enterprise software development company. On February 17, 2022, we acquired Reflect Systems, Inc. ~~7ITEM~~ **6ITEM** **1A RISK FACTORS** Our business involves a high degree of risk. In evaluating our business, you should carefully consider the specific risks described below, and any risks described in our other filings with the Securities and Exchange Commission (the “SEC”), pursuant to Sections 13 (a), 13 (c), 14, or 15 (d) of the Securities Exchange Act of 1934. Any of the risks we describe below could cause our business, financial condition, results of operations or future prospects to be materially adversely affected. In addition, some of the following statements are forward-looking statements. **RISKS RELATED TO OUR BUSINESS AND OUR INDUSTRY** We have incurred historical net losses, and we have had negative cash flows from operations. While we have been able to achieve profitability-net income in 2021 and 2022, we incurred a net loss in 2023 and it is uncertain whether we will be able to sustain or increase our profitability in successive periods. We have formulated our business plans and strategies based on certain assumptions regarding the acceptance of our business model and the marketing of our products and services. Nevertheless, our assessments regarding market size, market share, market acceptance of our products and services and a variety of other factors may prove incorrect. Our future success will depend upon many factors, including factors beyond our control and those that cannot be predicted at this time. ~~The ongoing COVID-19 pandemic has also caused a significant increase in suspended, delayed, and cancelled customer projects, initiatives, and capital expenditures, and it is not known when these opportunities will be revived for the Company, if at all.~~ Our digital Digital marketing technology and solutions are an evolving business offering and the markets in which we compete are rapidly changing. As a result, our prospects must be considered in light of the risks, expenses and difficulties frequently encountered by growing companies in new and rapidly evolving markets. We may be unable to accomplish any of the following, which would materially impact our ability to implement our business plan: ● timely and successfully developing new technology, solution, service, and platform features, including but not limited to the utilization of artificial intelligence, and increasing the functionality and features of our existing technology, solution, service, and platform offerings; ● establishing and maintaining broad market acceptance of our technology, solutions, services, and platforms, and converting that acceptance into direct and indirect sources of revenue; ● establishing and maintaining adoption of our technology, solutions, services, and platforms in and on a variety of environments, experiences, and device types; ● timely and successfully developing new technology, solution, service, and platform features, and increasing the functionality and features of our existing technology, solution, service, and platform offerings; ● developing technology, solutions, services, and platforms that result in a high degree of customer

satisfaction and a high level of end- customer usage; • successfully responding to competition, including competition from emerging technologies and solutions; • developing and maintaining strategic relationships to enhance the distribution, features, content and utility of our technology, solutions, services, and platforms; • identifying, attracting and retaining talented engineering, network operations, program management, technical services, creative services, and other personnel at reasonable market compensation rates in the markets in which we employ such personnel; and • ~~integration~~ **integrating** of operations, personnel and technology from our acquisitions, ~~including our acquisition of Reflect Systems, Inc.~~ Our business strategy may be unsuccessful and we may be unable to address the risks we face in a cost- effective manner, if at all. If we are unable to successfully accomplish these tasks, our business will be harmed. ~~8~~**During February 7** ~~The report of our independent registered public accounting firm on our Consolidated Financial Statements for the fiscal year ended December 31, 2022-2023 included an explanatory paragraph indicating that there is substantial doubt as to our ability to continue as a going concern within one year after that date that the Consolidated Financial Statements are issued. At December 31, 2023~~ ~~the Company has completed a Debt Financing and~~ ~~an Equity Financing~~ ~~accumulated deficit of \$ 53, 346, negative working capital of \$ 1, 587, including current debt obligations of \$ 3, 690, and cash of \$ 2, 910. For the year ended December 31, 2023, the Company generated operating income of \$ 1, 346 and generated positive net cash flows from operations of \$ 5, 167. Pursuant to the Second Amended and Restated Credit and Security Agreement (the " Credit Agreement" as further described in this Annual Report) between~~ ~~which resulted in gross proceeds to the Company~~ ~~prior to deducting placement agent and Slipstream, other~~ ~~the offering fees, Company is required and began to make monthly repayments of principal on the Consolidation Term Loan on September 1, 2023. The monthly principal payment is approximately \$ 20-370 and will continue on the first day of each month thereafter until the Maturity Date on February 17, 2025, with total principal repayments of \$ 4, 037 during the twelve months subsequent to the reporting date of our Consolidated Financial Statements. In addition, the Company is required to repay the principal balance on the Acquisition Term Loan of \$ 10, 000 at maturity and resolve the contingent consideration (described below), currently estimated for accounting purposes at \$ 11, 208, each of which mature on February 17, 2025 and collectively raises substantial doubt about the Company' s ability to continue as a going concern under the technical framework within ASU 205- 40. See " Note 1: Nature of Organization of Organization and Operations- Liquidity and Financial Consideration " to the Company' s Consolidated Financial Statements contained in this Report for a description of our payment obligations under the Credit Agreement. The net proceeds merger agreement in which we acquired Reflect requires us to pay to former Reflect stockholders additional contingent cash consideration after February 17, 2025 (subject to a six- month extension under certain circumstances), if the closing price of our shares of common stock on such date is less than \$ 6. 40 per share (the " Guaranteed Price"). The actual amount of such contingent consideration cannot be determined until such time, but our financial statements reflect \$ 11, 208 as the amount of such payment as of December 31, 2023, which include an increase in the Guaranteed Price to reflect the Company' s 1- for- 3 reverse stock split that occurred on March 23, 2023. See " Note 5 Business Combinations " to the Company' s Consolidated Financial Statements contained in this Report for a description of our obligations to pay the contingent consideration. We do not anticipate that we will have adequate funds from our operations to satisfy these forgoing obligations in February 2025. In response to these conditions, the Company plans to evaluate its available options for refinancing, via recapitalization, debt financings- financing were used to pay or equity financing, its upcoming obligations associated with the cash portion of the merger Acquisition Term Loan, Consolidation Term Loan, and contingent consideration payable. However, these plans have not been finalized, are subject to former stockholders of Reflect in connection market conditions, and are not with within our acquisition of Reflect in February 2022- the Company' s control, and therefore cannot be deemed probable. As a result, we may be required the Company has concluded that management' s plans do not alleviate substantial doubt about the Company' s ability to continue as a going concern. Any raise additional funding through public or private financings, including equity financings, through 2022 and beyond. We have an " at the market " offering in place, pursuant to which we may direct Roth Capital Partners, our sale agent, to sell shares of our common stock to investors in the market, subject to the terms and conditions of a sales agreement. These sales will likely dilute the percentages of ownership interest of then- current holders of our capital stock and may dilute our book value per share. Any additional equity financings may also be dilutive to shareholders and may be completed at a discount to the then- current market price of our securities. Debt financing, if available, may involve restrictive covenants on our operations or pertaining to future financing arrangements. Nevertheless, we may not successfully complete any future equity or debt financing. Adequate funds for our operations, whether from financial markets, collaborative or other arrangements, may not be available when needed or on terms attractive to us. If adequate funds are not available, our plans to operate our business may be adversely affected and we could be required to curtail our activities significantly and / or cease operating. In light of our limited resources in general, we have limited material investments in research and development over the past several years. This conserves capital in the short term. In the long term, as a result of our failure to invest in research and development, our technology and product offerings may not keep pace with the market, and we may lose any current existing competitive advantage. Over the long term, this may harm our revenues growth and our ability to become profitable. ~~The 8~~**The** ~~variable sales cycle of our products will likely make it difficult to predict operating results. Our~~ ~~Although we are focusing on increasing our revenues from SaaS services to our customers, our overall~~ revenues in any quarter depend substantially upon contracts signed and the related shipment and installation or delivery of hardware and software products in that quarter. It is therefore difficult for us to accurately predict revenues and this difficulty also will affect the Company. It is difficult to forecast the timing of large individual hardware and software sales with a high degree of certainty due to the extended length of the sales cycle and the generally more complex contractual terms that may be associated with our products that could result in the deferral of some or all of the revenue to future periods. Accordingly, large individual sales have sometimes occurred in quarters subsequent to when we anticipated or not at all. If we receive any significant cancellation or deferral of customer orders, or it is unable to conclude license negotiations by the end of a fiscal quarter, our operating results may be lower than anticipated. In addition, any weakening or uncertainty in the economy may make it more difficult for the Company to predict quarterly results in the future, and could negatively impact our business, **operating results and financial condition, and results of operations** for an indefinite period of time. **There** ~~As of March 29, 2023, our largest shareholder and investor, Slipstream Communications LLC (" Slipstream ") is the holder of 93 % of our outstanding debt instruments, including three term loans, and has beneficial ownership of approximately 38 % of~~ ~~been, and we expect that there will continue to be, significant consolidation in our industry. Our failure our- or common stock (inability to either lead or participate in that consolidation would have a severe adverse impact on an as- converted, fully diluted basis including conversion of outstanding warrants, and assuming no other convertible securities, options and warrants are converted or our access exercised by other parties). Slipstream has also provided us with a continued support letter through March 31, 2024. If we are unable to extend the maturity or replace our existing financing agreements in the future, customers, technology, our plans to operate our business may be adversely affected and human resources we could be required to curtail our activities significantly and / or cease operating. 9~~**Our** ~~industry is currently composed of a large number of relatively small businesses; no single business dominates or provides integrated solutions and product offerings incorporating much of the available industry technology. We Accordingly, we believe that substantial consolidation may occur is occurring~~ in our industry **and will continue to do so** in the near future. We believe that our prior acquisitions of Allure and Reflect illustrate acquisition opportunities that exist in our industry. If we ~~do are not active participants play a positive role in that consolidation, either as a leader consolidator or as a target participant whose capability is merged in a larger entity,~~ we may be left out of this process, with product offerings of limited value compared with those of our **consolidated** competitors. Moreover, even if we lead the consolidation process, we may incur unknown liabilities in such consolidations, fail to fully integrate the operations, personnel, or technology from such consolidations, and the market may not validate the decisions we make in that process. We anticipate that opportunities to acquire similar businesses will materially depend on, among other things, the availability of financing **alternatives options for us** with acceptable terms. **As a result, poor Poor** credit and other market conditions or uncertainty in financial markets could **adversely affect our ability to obtain such financing, and as a result,** materially limit our ability to grow through acquisitions **since such conditions and uncertainty make obtaining financing more difficult.** Our success will depend to a large extent on **broad**-market acceptance of our interactive marketing technologies among our current and prospective customers. Our prospective customers may still not use our solutions for a number of other reasons, including preference for static advertising, lack of familiarity with our technology, preference for competing technologies or perceived lack of reliability. We believe that the acceptance of our interactive marketing technologies by prospective customers will depend primarily on the following factors: • our ability to demonstrate the economic and other benefits attendant to our interactive marketing technologies; • our customers becoming comfortable with using our interactive marketing technologies; and • the reliability of our interactive marketing technologies. Our interactive technologies are complex and must meet stringent user requirements. Some undetected errors or defects may only become apparent as new functions are added to our technologies and products. The need to repair or replace products with design or manufacturing defects could temporarily delay the sale of new products and adversely affect our reputation. Delays, costs, and damage to our reputation due to product defects could harm our business. ~~Our~~**9**~~Our~~ financial condition and potential for continued net losses may cause current and prospective customers to defer placing orders with us, to require terms that are less favorable to us, or to place their orders with our competitors, which could adversely affect our business, financial condition, and results of operations. On the same basis, third- party suppliers may refuse to do business with us, or may do so only on terms that are unfavorable to us, which also could cause our expenses to increase. ~~10~~**Because** ~~Because~~ we do not have long- term purchase commitments from our~~

customers, the failure to obtain anticipated orders or the deferral or cancellation of commitments could have adverse effects on our business. Our business is characterized by short- term purchase orders and contracts that do not require that purchases be made by our customers, and monthly subscription contracts (SaaS) that may be terminated with minimal notice. This makes forecasting our sales difficult. The failure to obtain anticipated orders and deferrals or cancellations of purchase commitments or SaaS services because of changes in customer requirements, or otherwise, could have a material adverse effect on our business, financial condition, and results of operations. We have experienced such challenges in the past and may experience such challenges in the future. No customer accounted for more than 10 % of revenue for the year ended December 31, 2023. We had three customers that accounted for 44 % of revenue for the years ended December 31, 2022. Most of our contracts are terminable by our customers following limited notice and without early termination payments or liquidated damages due from them. In addition, each stage of a project often represents a separate contractual commitment, at the end of which the customers may elect to delay or not to proceed to the next stage of the project. We cannot assure you that one or more of our customers will not terminate a material contract or materially reduce the scope of a large project. The delay, cancellation or significant reduction in the scope of a large project or a number of projects could have a material adverse effect on our business, operating results and financial condition and results of operations. It is common for our current and prospective customers to take a long evaluate our products over an extended period of time to evaluate our products, most especially during economic downturns that affect our customers' businesses, as we saw during the COVID- 19 pandemic. The lengthy and variable sales cycle makes it difficult to predict our operating results. It is difficult for us to forecast the timing and recognition of revenue from sales of our products and services because our actual and prospective customers often take significant time to evaluate our products before committing to a purchase. Even after making their first purchases of our products and services (or " pilot program" purchases), existing customers may not make significant purchases of those products and services for a long period of time following their initial purchases, if at all. The period between initial customer contact and a purchase by a customer may be years with potentially an even longer period separating initial purchases and any significant purchases thereafter. During the evaluation period, prospective customers may decide not to purchase or may scale down proposed orders of our products for various reasons, including: • reduced need to upgrade existing visual marketing systems; • introduction of products by our competitors; • lower prices offered by our competitors; and • changes in budgets and purchasing priorities. Our prospective customers routinely require education regarding the use and benefit of our products and solutions. This may also lead to delays in receiving customers' orders. 10Our industry is characterized by frequent technological change. If we are unable to adapt our products and services and develop new products and services to keep up with these rapid changes, we will not be able to obtain, or maintain, market share. 11The market for our products and services is characterized by rapidly changing technology, evolving industry standards, changes in customer needs, heavy competition, and frequent new product and service introductions. If we fail to develop new products and services or modify or improve existing products and services in response to these changes in technology, customer demands, or industry standards, our products and services could become less competitive or obsolete. We must respond to changing technology and industry standards in a timely and cost- effective manner. We may not be successful in using new technologies, developing new products and services or enhancing existing products and services in a timely and cost- effective manner. Furthermore, even if we successfully adapt our products and services, these new technologies or enhancements may not achieve sufficient market acceptance. We operate in an intensely competitive industry, and our competitors are developing products and solutions that incorporate AI and ML. We may not be as successful as our competitors in incorporating AI and ML into our products and solutions. Our competitors may be larger, more diversified, better funded, and have access to more advanced technology, including AI and ML. These competitive advantages may enable our competition to innovate their products and solutions faster or better than we can, or to provide increased competition on quality and price, which could adversely affect our business and profitability. Burgeoning interest in AI and ML may increase competition and disrupt the Company' s business model. AI and ML may lower barriers to entry in our industry and the Company may be unable to effectively compete with the products or services offered by new competitors. Changes to the products and services we offer related to AI and ML may affect customer expectations, requirements, or tastes in ways that the Company cannot adequately anticipate or adapt to, causing its business to lose revenues. We are exploring manners to integrate AI and ML into many of our offerings. We may need to increase our operational, research and development and compliance costs, or divert resources from other research and development efforts, to address potential issues related to AI and ML in a quickly evolving social, legal, and regulatory environment. As with many cutting- edge innovations, AI and ML present new risks and challenges, and existing laws and regulations may apply to us in new ways, the nature and extent of which are difficult to predict. Potential government regulation related to AI, including relating to ethics and social responsibility, may also increase the burden and cost of compliance and research and development. A portion of our business involves our ownership and licensing of software. This market space is characterized by frequent intellectual property claims and litigation. We could be subject to claims of infringement of third- party intellectual- property rights resulting in significant expense and the potential loss of our own intellectual property rights. From time to time, third parties may assert copyright, trademark, patent, or other intellectual property rights to technologies that are important to our business. Any litigation to determine the validity of these claims, including claims arising through our contractual indemnification of our business partners, regardless of their merit or resolution, would likely be costly and time consuming and divert the efforts and attention of our management and technical personnel. If any such litigation resulted in an adverse ruling, we could be required to: • pay substantial damages; • cease the development, use, licensing or sale of infringing products; • discontinue the use of certain technology; or • obtain a license under the intellectual property rights of the third party claiming infringement, which license may not be available on reasonable terms or at all. 12The platform architecture, data tracking technology, and integration layers underlying our proprietary platforms, our contract administration, procurement, timekeeping, content and network management, network services, device management, virtualized services, software automation and other tools, and back- end services are complex and include specially developed software and code. This software and code are developed internally, licensed from third parties, or integrated by in- house personnel and third parties. Any of the system architecture, system administration, integration layers, software, or code may contain errors, or may be implemented or interpreted incorrectly, particularly when they are first introduced or when new versions or enhancements to our tools and services are released. Consequently, our systems could experience performance failure, or we may be unable to scale our systems, which may: • adversely impact our relationship with customers and others who experience system failure, possibly leading to a loss of affected and unaffected customers; • increase our costs related to product development or service delivery; or • adversely affect our revenues and expenses. 13Our business may be adversely affected by malicious applications that make changes to our customers' computer systems and interfere with the operation and use of our products or products that impact our business. These applications may attempt to interfere with our ability to communicate with our customers' devices. The interference may occur without disclosure to or consent from our customers, resulting in a negative experience that our customers may associate with our products and services. These applications may be difficult or impossible to uninstall or disable, may reinstall themselves and may circumvent other applications' efforts to block or remove them. The ability to provide customers with a superior interactive marketing technology experience is critical to our success. If our efforts to combat these malicious applications fail, or if our products and services have actual or perceived vulnerabilities, there may be claims based on such failure or our reputation may be harmed, which would damage our business and financial condition. The market for interactive marketing technologies is generally highly competitive and we expect competition to increase in the future. Many Some of our competitors or potential competitors may have significantly greater financial, technical, and marketing resources than us. These competitors may be able to respond more rapidly than we can to new or emerging technologies or changes in customer preferences or requirements. They may also devote greater resources to the development, promotion and sale of their products and services than us. We expect competitors to continue to improve the performance of their current products, services, and technologies and to introduce new products, services, and technologies as well. Successful new product and service introductions or enhancements by our competitors could reduce sales and the market acceptance of our products and services, cause intense price competition, or make our products and services obsolete. To be competitive, we must continue to invest significant resources in research and development, sales and marketing and customer support. If we do not have sufficient resources to make these investments or are unable to make the technological advances necessary to be competitive, our competitive position will suffer. Increased competition could result in price reductions, fewer customer orders, reduced margins, and loss of market share. Our failure to compete successfully against current or future competitors could adversely affect our business and financial condition. Our key personnel include: • Rick Mills, our Chief Executive Officer and Chairman; and • Will Logan, our Chief Financial Officer; and • Lee Summers, our President of Media. If we fail to retain our key personnel or to attract, retain, and motivate other qualified employees, our ability to maintain and develop our business may be adversely affected. Our future success depends significantly on the continued service of our key technical, sales, and senior management personnel and their ability to execute our growth strategy. The loss of the services of our key employees could harm our business. We may be unable to retain our employees or to attract, assimilate and retain other highly qualified employees who could migrate to other employers who offer competitive or superior compensation packages. 14We risk losing directors, officers, and employees, or paying more cash compensation, if our shareholders do not approve our 2023 Stock Incentive Plan. Our ability to issue incentive awards under our 2014 Stock Incentive Plan expired in 2023. Nasdaq' s listing rules require us to obtain our shareholder' s approval of a stock incentive plan before we may issue any shares under the plan or any option issued under the plan may be exercised. On November 8, 2023, our Board of

Directors adopted a 2023 stock incentive plan (the “2023 Plan”), and we intend to seek shareholder approval of such plan at our 2024 annual shareholder meeting. As a company with limited capital resources, we have historically relied upon our ability to issue incentives from our stock incentive plans to our directors, officers and employees in lieu of cash-based compensation. Currently, we may only issue options under the 2023 Plan that cannot be exercised unless shareholder approval of the 2023 Plan is obtained in advance of the exercise of any option. We cannot issue restricted stock awards or stock awards, which we have issued in the past to incentivize our directors, officers and employees and to mitigate the cash compensation that would otherwise be payable to such persons. This limited use of the 2023 Plan limits the value of these incentives, and will require us to use cash in place of incentives under the 2023 Plan until shareholder approval is obtained, or we risk losing the services of our officers, directors and employees. We cannot guarantee that we will be able to obtain shareholder approval of the 2023 Plan. Our shareholders failed to approve at our 2023 annual shareholder meeting a 2023 equity incentive plan that authorized the issuance of up to 1,500,000 shares under such plan. We are subject to cyber security risks and interruptions or failures in our information technology systems and those of third party partners with whom our applications are integrated, and will likely need to expend additional resources to enhance our protection from such risks. Notwithstanding our efforts, a cyber incident could occur and result in information theft, data corruption, operational disruption, and / or financial loss. We depend on digital technologies to process and record financial and operating data and rely on sophisticated information technology systems and infrastructure to support our business, including process control technology. At the same time, cyber incidents, including deliberate attacks, have increased. The U. S. government has issued public warnings that indicate that energy assets might be specific targets of cyber security threats. Our technologies, systems and networks and those of our vendors, suppliers, and other business partners may become the target of cyberattacks or information security breaches that could result in the unauthorized release, gathering, monitoring, misuse, loss or destruction of proprietary and other information, or other disruption of business operations. In addition, certain cyber incidents, such as surveillance, may remain undetected for an extended period. Our systems for protecting against cyber security risks may not be sufficient. As the sophistication of cyber incidents continues to evolve, we will likely be required to expend additional resources to continue to modify or enhance our protective measures or to investigate and remediate any vulnerability to cyber incidents. Additionally, any of these systems may be susceptible to outages due to fire, floods, power loss, telecommunications failures, usage errors by employees, computer viruses, cyberattacks, or other security breaches or similar events. The failure of any of our information technology systems may cause disruptions in our operations, which could adversely affect our revenues and profitability. Additionally, we engage third-party service providers to assist us in providing products and services for our customers. Those third-party service providers also subject to the foregoing risks to their systems. We do not have a process to oversee and identify risks from cyber security threats associated with our use of such third-party service providers, and any such incidents occurring on their system could similarly affect us, our revenues and profitability. Effective 13 Effective information security internal controls are necessary for us to protect our sensitive information from illegal activities and unauthorized disclosure in addition to denial of service attacks and corruption of our data. In addition, we rely on the information security internal controls maintained by our outsourced service provider. Breaches of our information management system could also adversely affect our business reputation. Finally, significant information system disruptions could adversely affect our ability to effectively manage operations or reliably report results. Our technology, proprietary platforms, products, and services are highly complex and are designed to operate in and across data centers, large and complex networks, and other elements of the digital media workflow that we do not own or control. On an ongoing basis, we need to perform proactive maintenance services on our platform and related software services to correct errors and defects. In the future, there may be additional errors and defects in our software that may adversely affect our services. We may not have in place adequate reporting, tracking, monitoring, and quality assurance procedures to ensure that we detect errors in our software in a timely manner. If we are unable to efficiently and cost-effectively fix errors or other problems that may be identified, or if there are unidentified errors that allow persons to improperly access our services, we could experience loss of revenues and market share, damage to our reputation, increased expenses and legal actions by our customers. Our operations are dependent in part upon: network capacity provided by third-party telecommunications networks; data center services provider owned and leased infrastructure and capacity; our dedicated and virtualized server capacity located at its data center services provider partner and a geo-redundant micro-data center location; and our own infrastructure and equipment. Collectively, this infrastructure, equipment, and capacity must be sufficiently robust to handle all of our customers’ web-traffic, particularly in the event of unexpected surges in high-definition video traffic and network services incidents. We (and our service providers) may not be adequately prepared for unexpected increases in bandwidth and related infrastructure demands from our customers. In addition, the bandwidth we have contracted to purchase may become unavailable for a variety of reasons, including payment disputes, outages, or such service providers going out of business. Any failure of these service providers or our own infrastructure to provide the capacity we require, due to financial or other reasons, may result in a reduction in, or interruption of, service to our customers, leading to an immediate decline in revenue and possible additional decline in revenue as a result of subsequent customer losses. 14 Our business operations are susceptible to interruptions caused by events beyond our control. For example, the COVID-19 pandemic resulted in authorities implementing numerous preventative measures to contain or mitigate the outbreak of the virus, such as travel bans and restrictions, limitations on business activity, quarantines, and shelter-in-place orders. These measures caused business slowdowns and shutdowns in certain affected areas, both regionally and worldwide, which significantly adversely impacted our business and results of operations. We are vulnerable to the following potential problems when events beyond our control arise, including, among others: • our platform, technology, products, and services and underlying infrastructure, or that of our key suppliers, may be damaged or destroyed by events beyond our control, such as fires, earthquakes, floods, power outages, or telecommunications failures; • we and our customers and / or partners may experience interruptions in service as a result of the accidental or malicious actions of Internet users, hackers, or current or former employees; • we may face liability for transmitting, and transmitting, computer viruses to third parties that damage or impair their access to computer networks, programs, data or information, and eliminating, eliminating, computer viruses and alleviating other security problems may require interruptions, delays or cessation of service to our customers and cause us to face liability; • failure of our systems or those of our suppliers may disrupt service to our customers (and from our customers to their customers), which could materially impact our operations (and the operations of our customers), adversely affect our relationships with our customers and lead to lawsuits and contingent liability; 14 • delays in product development or releases, or reductions in manufacturing production and sales of consumer hardware, as a result of inventory shortages, supply chain or labor shortages; • significant volatility and disruption of global financial markets, which could negatively impact our ability to access capital in the future; • our inability to recognize revenue, collect payment, or generate future revenue from customers, including from those that have been or may be forced to close their businesses or are otherwise adversely impacted by any resulting economic downturn; • negative impact on our workforce productivity, product development, and research and development due to difficulties resulting from our personnel working remotely • illnesses to key employees, or a significant portion of our workforce, which may result in inefficiencies, delays, and disruptions in our business; and • increased volatility and uncertainty in the financial projections we use as the basis for estimate used in our financial statements. The occurrence of any of the foregoing could result in claims for consequential and other damages, significant repair and recovery expenses and extensive customer losses and otherwise have a material adverse effect on our business, financial condition, and results of operations. 15 The market in which we operate is becoming increasingly competitive. Our current competitors generally include general digital signage companies, specialized digital signage operators targeting certain vertical markets (e.g., financial services, retail, or food services), content management software companies, or integrators and vertical solution providers who develop single implementations of content distribution, digital marketing technology, and related services. These competitors, including future new competitors who may emerge, may be able to develop a comparable or superior solution capabilities, software platform, technology stack, and / or series of services that provide a similar or more robust set of features and functionality than the our technology, products and services we offer. If this occurs, we may be unable to grow as necessary to make our business profitable. Whether or not we have superior products, many of these current and potential future competitors have a longer operating histories in their current respective business areas and greater market presence, brand recognition, engineering and marketing capabilities, and financial, technological and personnel resources than we do. Existing and potential competitors with an extended operating history, even if not directly related to our business, have an inherent marketing advantage because of the reluctance of many potential customers to entrust key operations to a company that may be perceived as new, inexperienced or unproven. In addition, our existing and potential future competitors may be able to use their extensive resources to: • develop and deploy new products and services more quickly and effectively than we can; • develop, improve, and expand their platforms and related infrastructures more quickly than we can; • offer less expensive products, technology, platform, and services as a result of a lower cost structure, greater capital reserves, or otherwise; • adapt more swiftly and completely to new or emerging technologies and changes in customer requirements; • take advantage of acquisition and other opportunities more readily; and • devote greater resources to the marketing and sales of their products, technology, platform, and services. If we are unable to compete effectively in our various markets, or if competitive pressures place downward pressure on the prices at which we offer our products and services, our business, financial condition and results of operations may suffer. 16 RISKS 15 RISKS RELATED TO OUR SECURITIES AND OUR COMPANY Our As of March 29, 2023, our largest shareholder and senior lender possesses significant voting power with respect to our common stock, which will limit your influence on our management and affairs, and may discourage parties from initiating potential merger, takeover, or other change-of-control transactions. As of March 20, 2024, our largest shareholder and

investor, Slipstream Communications LLC (“Slipstream”) is the holder of all 93% of our outstanding debt instruments, including three two term loans, and has beneficial ownership of approximately 38 26% of our common stock (on an as-converted, fully diluted basis including conversion of outstanding warrants, and assuming no other convertible securities, options and warrants are converted or exercised by other parties). Slipstream has also provided us with a continued support letter significant influence on our management and affairs, including the election and removal of our Board of Directors and all other matters requiring shareholder approval, including the future merger, consolidation or sale of all or substantially all of our assets. This stockholder position, especially in light of Pegasus' prior proposals described below, may discourage others from initiating any potential merger, takeover, or other change-of-control transaction that may otherwise be beneficial to our shareholders. Furthermore, this concentrated ownership will limit the practical effect of your participation in Company matters, through March 31, 2024 shareholder votes and otherwise. On February 2, 2023 and May 1, 2023, we received an unsolicited proposal proposals from Pegasus Capital Advisors, L. P., on behalf of itself and certain of its affiliates, including Slipstream (collectively, “Pegasus”), to acquire all of the outstanding shares of common stock of the Company that are not owned by Pegasus for a purchase price prices of \$ 0. 83 per share in cash (or, as a result of our recent 1- for- 3 reverse stock split effectuated in March 2023, \$ 2. 49 per share), and \$ 2. 85 per share in cash, respectively. Pegasus is the beneficial owner of our common stock owned of record by Slipstream. The Special Committee of the Company's Board of Directors (the “Special Committee”) has concluded that such each proposal undervalues undervalued the Company based on the Special Committee's views of the intrinsic value of the Company's existing business and current and future prospects, and is was not in the best interests of the Company's existing shareholders. Consequently, the Special Committee has advised Pegasus that it rejected each proposal, and since such time, Pegasus has rejected the not made any subsequent acquisition proposal - Pegasus may or may not determine to revise its proposal. The Special Committee remains available to evaluate and respond to a revised proposal by Pegasus. There can be no assurance that any revised proposal or definitive offer will be made or accepted, that any agreement will be executed, or that any transaction will be consummated. Slipstream has significant influence on our management and affairs, including the election and removal of our Board of Directors and all other matters requiring shareholder approval, including the future merger, consolidation or sale of all or substantially all of our assets. This stockholder position, especially in light of Pegasus' proposal, may discourage others from initiating any potential merger, takeover or other change-of-control transaction that may otherwise be beneficial to our shareholders. Furthermore, this concentrated ownership will limit the practical effect of your participation in Company matters, through shareholder votes and otherwise. Our authorized capital consists of 116, 666, 666 shares of capital stock, 50, 000, 000 of which is undesignated preferred stock. Pursuant to authority granted by our Articles of Incorporation, our Board of Directors, without any action by our shareholders, may designate and issue shares in such classes or series (including other classes or series of preferred stock) as it deems appropriate and establish the rights, preferences and privileges of such shares, including dividends, liquidation and voting rights, provided such designation is consistent with Minnesota law. The rights of holders of other classes or series of stock that may be issued could be superior to the rights of holders of our common shares. The designation and issuance of shares of capital stock having preferential rights could adversely affect other rights appurtenant to shares of our common stock. Furthermore, any issuances of additional stock (common or preferred) will dilute the percentage of ownership interest of then-current holders of our capital stock and may dilute our book value per share. We do not plan have never paid dividends on any of our capital stock and currently intend to retain any future earnings to fund the growth of our business. Any determination to pay dividends in the future will be at the discretion of our Board of Directors and will depend on our financial condition, operating results, capital requirements, general business conditions, and other factors that our Board of Directors may deem relevant. As a result, capital appreciation, if any, of our common stock will be the sole source of gain for the foreseeable future. Earnings of the business will be reinvested in future growth strategies or utilized to repay outstanding debt. We have nominal tangible assets. As a result, if we become insolvent or otherwise must dissolve, there will be no tangible assets to liquidate and no corresponding proceeds to disburse to our shareholders. If we become insolvent or otherwise must dissolve, shareholders will likely not receive any cash proceeds on account of their shares. 16In 17On April 14, 2022, the bid price of the Company's common stock received a letter (the “Notice”) from The Nasdaq Stock Market LLC (“Nasdaq”) advising the Company that for 30 consecutive trading days preceding the date of the Notice, the bid price of the Company's common stock had closed below the \$ 1. 00 per share minimum required for continued listing on The Nasdaq Capital Market pursuant to Nasdaq Listing Rule 5550 (a) (2) (the “Minimum Bid Price Requirement”). Although The Notice stated that the Company cured such had 180 days, or until October 11, 2022, to demonstrate compliance noncompliance as by maintaining a result minimum closing bid price of its at least \$ 1 . 00 for a minimum of 10 consecutive trading days. On October 12, 2022, Nasdaq notified the Company that while the Company had not regained compliance with the Minimum Bid Price Requirement, it was eligible for an additional 180- 3 day grace period, or until April 10, 2023, to regain compliance with the Minimum Bid Price Requirement. Nasdaq's determination was based on the Company having met the continued listing requirement for market value of publicly held shares and all other applicable requirements for initial listing on The Nasdaq Capital Market, with the exception of the Minimum Bid Price Requirement, and on the Company's written notice to Nasdaq of its intention to cure the deficiency during the second compliance period by effecting a reverse stock split in, if necessary. Effective March 27, 2023, we effectuated a one-for-three the trading price reverse stock split of the shares of the Company's common stock seeking has been subject to regain compliance large movement in the past, especially in light of historically low trading volumes. We cannot be certain that the Company will be able to comply with the Minimum Bid Price Requirement and the There is no guarantee that we will be successful in satisfying the other continued listing Minimum Bid Price Requirement requirements of by April 10, 2023. If the Company does not regain compliance with the Minimum Bid Price Requirement by April 10, 2023, Nasdaq in will provide written notification to the future Company that its common stock will be delisted. At that time, in which case the Company may appeal Nasdaq's delisting determination to a Hearings Panel (the “Panel”). The Company's common stock may would remain listed pending the Panel's decision. There can be delisted from no assurance that if the Company does appeal such a delisting determination by Nasdaq Capital Market to the Panel, that such appeal would be successful. In the event our common stock is delisted from The Nasdaq Capital Market and we are also unable to maintain listing on another alternate exchange, trading in our common stock could thereafter be conducted in FINRA's OTC Bulletin Board or in the over-the-counter markets in the so-called “pink sheets.” In such event, the liquidity of our common stock would likely be further impaired, not only in the number of shares which could be bought and sold, but also through delays in the timing of the transactions, and there would likely be a reduction in our coverage by security analysts and the news media, thereby resulting in lower prices for our common stock than might otherwise prevail. The impact of our 1-for-3 reverse stock split on the future market price of our common stock, and our ability to maintain the listing of our common stock on Nasdaq, is uncertain. On March 23, 2023, we filed Articles of Amendment with the Secretary of State of the State of Minnesota to effectuate, effective March 27, 2023, a one-for-three reverse stock split of the shares of the Company's common stock, par value \$ 0. 01 per share. The Company's common stock began trading on a split-adjusted basis on March 27, 2023. In connection with the reverse stock split, the total number of shares of common stock authorized for issuance was reduced from 200, 000, 000 shares to 66, 666, 666 shares in proportion to the reverse stock split. We cannot assure shareholders that the reverse stock split will sufficiently increase our stock price by April 10, 2023, the deadline for the Company to comply with the Minimum Bid Requirement. The effect of the reverse stock split on our stock price cannot be predicted with any certainty, and the history of reverse stock splits for us and other companies, is varied, particularly since some investors may view a reverse stock split negatively. It is possible that our stock price after a reverse stock split will not increase in the same proportion as the reduction in the number of shares outstanding, causing a reduction in our overall market capitalization. Further, our stock price may decline due to various factors, including our future performance and general industry, market and economic conditions. This percentage decline, as an absolute number and as a percentage of our overall market capitalization, may be greater than would occur in the absence of the reverse stock split. If we continue to fail to meet Nasdaq's listing requirements, Nasdaq may suspend trading and commence delisting proceedings. In addition, the reverse stock split may decrease the liquidity of our common stock and result in higher transaction costs. The liquidity of our common stock may be negatively impacted by the reduced number of shares outstanding after the reverse stock split, which would be exacerbated if the stock price does not increase following the reverse stock split. In addition, the reverse stock split increased the number of stockholders owning “odd lots” of fewer than 100 shares, which generally means that trading our stock results in higher transaction costs. Accordingly, the reverse stock split may not achieve the desired results of increasing marketability and liquidity. 18The implementation of the reverse stock split did not have an effect on the actual or intrinsic value of our business or a shareholder's proportional ownership interest (subject to the treatment of fractional shares as a result of the reverse stock split). However, should the overall value of our common stock decline after the reverse stock split, then the actual or intrinsic value of shares held by shareholders will also proportionately decrease as a result of the overall decline in value. Significant actual or perceived potential future issuance of our common stock could adversely affect the market price of our common stock. Generally, issuances of substantial amounts of common stock in the public market, and the availability of shares for future sale, could adversely affect the prevailing market price of our common stock, and could cause the market price of our common stock to remain low for a substantial amount of time. We cannot foresee the impact of potential securities issuances of common shares on the market for our common stock, but it is possible that the market for our shares may be adversely affected, perhaps significantly. It is also unclear whether or not the market for our common stock could absorb a large number of attempted sales in a short period of time, regardless of the price at which they might be offered. Sales of a substantial number of shares of our common stock in the public market by certain of our stockholders could cause our stock

price to fall. Sales of a substantial number of shares of our common stock in the public market or the perception that these sales might occur, could depress the market price of our common stock and could impair our ability to raise capital through the sale of additional equity securities. We are unable to predict the effect that sales may have on the prevailing market price of our common stock.

In general, there has been minimal trading volume in our common stock. Small trading volumes would likely make it difficult for our shareholders to sell their shares as and when they choose. Furthermore, small trading volumes are generally understood to depress market prices. As a result, you may not always be able to resell shares of our common stock publicly at the time and prices that you feel are fair or appropriate.

GENERAL RISK FACTORS Because of our limited internal resources, we may not have in place various processes and protections common to more mature companies and may be more susceptible to adverse events. We have limited internal resources. As a result, we may not have in place systems, processes, and protections that many of our competitors have or that may be essential to protect against various risks. For example, we have in place only limited resources and processes addressing human resources, timekeeping, data protection, business continuity, personnel redundancy, and knowledge institutionalization concerns. As a result, we are at risk that one or more adverse events in these and other areas may materially harm our business, financial condition, and results from operations.

Our business has been and could continue to be affected by general global economic and market conditions. Any downturn in the United States and worldwide economy could have a negative effect on our operating results, including a decrease in revenue and operating cash flow. To the extent our customers are unable to profitably leverage various forms of digital marketing technology and solutions, and / or the content we create, deliver and publish on their behalf, they may reduce or eliminate their purchase of our products and services. Such reductions in traffic would lead to a reduction in our revenues. Additionally, in a down-cycle economic environment, we may experience the negative effects of increased competitive pricing pressure, customer loss, slowdown in commerce over the Internet, and corresponding decrease in traffic delivered over our network and failures by our customers to pay amounts owed to us on a timely basis or at all. Suppliers on which we rely for equipment, field services, servers, bandwidth, co-location, and other services could also be negatively impacted by economic conditions that, in turn, could have a negative impact on our operations or revenues. Flat or worsening economic conditions may harm our operating results and financial condition. In addition, our business could be adversely affected by the effects of a widespread outbreak of contagious disease, including another outbreak of COVID-19 or another respiratory illness. A significant outbreak of contagious diseases in the human population could result in a widespread health crisis that could adversely affect the economies and financial markets of many countries, resulting in an economic downturn that could affect demand for our products, our ability to collect against existing trade receivables and our operating results. Specifically, such event may cause us, our customers or suppliers to temporarily suspend operations in the affected city or country, and customers may suspend or terminate capital improvements including in-store digital deployments or refresh projects, all of which may have a material adverse effect on our business.

ITEM 2 PROPERTIES (All currency is rounded to the nearest thousands, except share and per share amounts.) Our headquarters is located at 13100 Magisterial Drive, Suite 100, Louisville, KY 40223. There, we have approximately 17,500 square feet of office space, including approximately 6,500 square feet of warehouse space, which we believe is sufficient for our projected near-term future growth. The lease was modified and extended during 2022 and the monthly lease amount is currently \$27 and escalates 1% annually through the end of the lease term in December 2025. We also lease office space of approximately 6,000 square feet to support our Canadian operations at a facility located at 4600 Rhodes Drives, Unit 3 & 4, Windsor, Ontario under a lease that expires November 30, 2025 and with a monthly rental, inclusive of CAMS and related realty taxes, of \$7 per month. We also lease office space of approximately 4,500 square feet to support our Atlanta operations at a facility known as Northridge Center II and having as its street address at 365 Northridge Road, Atlanta, GA 30350. This property lease began in March 2022 and expires in July 2027 with a monthly rental of \$8, escalating 3% annually. We also lease office space of approximately 15,350 square feet to support the Reflect operations at a facility located at 2221 Lakeside Blvd, Richardson, TX 75082 under a lease that expires March 2024 and with a monthly rental, inclusive of CAMS and related realty taxes, of \$38 per month. The corporate phone number is (502) 791-8800.

ITEM 3 LEGAL PROCEEDINGS Information regarding legal proceedings can be found in Note 9 Commitments and Contingencies to the Company's Consolidated Financial Statements included in this Annual Report.

ITEM 4 MINE SAFETY DISCLOSURES Not applicable.

PART II ITEM 5 MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES Market Information Our common stock is listed for trading on the Nasdaq Capital Markets ("Nasdaq") under the symbol "CREX". The transfer agent and registrar for our common stock is Computershare Limited, 401 2nd Avenue North, Minneapolis, Minnesota 55401. Shareholders As of March 29, 2023, we had 395 holders of record of our common stock. The actual number of stockholders is greater than this number of record holders, and includes stockholders who are beneficial owners, but whose shares are held in street name by brokers and other nominees. This number of holders of record also does not include stockholders whose shares may be held in trust by other entities. Dividend Policy We have never declared or paid cash dividends on our common stock. We currently intend to retain future earnings, if any, to operate and expand our business and to finance the development and expansion of our business. We do not anticipate paying cash dividends on our common stock in the foreseeable future. Any payment of cash dividends in the future will be at the discretion of our Board of Directors and will depend upon our results of operations, earnings, capital requirements, contractual restrictions and other factors deemed relevant by our Board of Directors. Holders of our common stock are entitled to share pro-rata in dividends and distributions with respect to the common stock when, as and if declared by our Board of Directors out of funds legally available therefor. Our future dividend policy is subject to the sole discretion of our Board of Directors and will depend upon a number of factors, including future earnings, capital requirements and our financial condition.

Recent Sales of Unregistered Securities None. Securities Authorized for Issuance Under Equity Compensation Plans Information about our equity compensation plans is set forth in Item 12 of Part III of this Annual Report, which is incorporated herein by reference.

ITEM 6 [RESERVED]

ITEM 7 MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (All currency is rounded to the nearest thousands, except share and per share amounts.) The following discussion should be read in conjunction with the financial statements and related for the years ended December 31, 2022 and 2021, which are included elsewhere in this Annual Report on Form 10-K. This Management's Discussion and Analysis of Financial Condition and Results of Operations contains statements that are forward-looking. These statements are based on current expectations and assumptions that are subject to risk, uncertainties and other factors. These statements are often identified by the use of words such as "may," "will," "expect," "believe," "anticipate," "intend," "could," "estimate," or "continue," and similar expressions or variations. You should review the "Cautionary Note Regarding Forward-Looking Statements; Risk Factor Summary", and "Risk Factors" sections of this Annual Report on Form 10-K for a discussion of important factors that could cause actual results to differ materially from the results described in or implied by the forward-looking statements described in the following discussion and analysis.

Overview Creative Realities, Inc. ("Creative Realities" or the "Company") transforms environments through digital solutions by providing innovative digital signage solutions for key market segments and use cases, including:

- We serve market-leading companies, so there is a good chance that if you leave your home today to shop, work, eat or play, you will encounter one or more of our digital signage experiences. Our solutions are increasingly visible because we help our enterprise customers achieve a range of business objectives including:
 - Increased brand awareness
 - Improved patient outcomes
- Through a combination of organically grown platforms and a series of strategic acquisitions, including our recent acquisition of Reflect Systems, Inc. in February 2022, the Company assist clients to design, deploy, manage, and monetize their digital signage networks. The Company sources leads and opportunities for its solutions through its digital and content marketing initiatives, close relationships with key industry partners, specifically equipment manufacturers, and the direct efforts of its in-house industry sales experts. Client engagements focus on consultative conversations that ensure the Company's solutions are positioned to help clients achieve their business objectives in the most cost-effective manner possible. When comparing Creative Realities to other digital signage providers, our customers value the following competitive advantages:
 - Breadth of solutions—Creative Realities is one of only a few companies in the industry capable of providing the full portfolio of products and services required to implement and run an effective digital signage network. We leverage a "single vendor" approach, providing clients with a one-stop-shop for sourcing digital signage solutions from design through day two services.
 - In-house creative resources—We assist clients in repurposing existing content for digital signage experiences or creating new content, an activity for which the Company has won several design awards in recent years. In each instance, our services can be essential in helping clients develop an effective content program.
 - Media sales—Few, if any other digital signage solution providers, can offer their clients media sales as a service. We have in-house media sales expertise to elevate conversations with clients interested in better understanding network monetization. We believe this meaningful differentiation in the sales process provides an additional revenue stream to Creative Realities compared to our competitors.
 - Market sector expertise—Creative Realities has in-house experts in key market segments such as automotive, retail, quick-serve restaurants (QSR), convenience stores, and Digital Out-of-Home (DOOH) advertising. Our expertise in these business segments enables our teams to provide meaningful business conversations and offer tailored solutions with prospects and customers to their unique business objectives. These experts build industry relationships and create thought leadership that drives lead flow and new opportunities for our business.
 - Technical support—Digital signage networks present unique challenges for corporate IT departments. Creative Realities helps simplify and improve end-user support by leveraging our own Network Operations Center ("NOC") in Louisville, Kentucky. The NOC resolves many issues remotely and when field support is required, it can be dispatched from the NOC, leveraging our managed labor pool to resolve customer issues quickly and effectively.
 - Integrations and Application Development—The future of digital signage is not still images and videos on a screen. Interactive applications and

integrations with other data sources will dominate the future. From social media feeds to corporate data stores to Point of Sale (“POS”) systems, our proven ability to build scalable applications and integrations is a key advantage clients can leverage to deliver more compelling and engaging experiences for their customers. Our Sources of Revenue 2425 Our Expenses Our expenses are primarily comprised of three categories: sales and marketing, research and development, and general and administrative. Sales and marketing expenses include salaries and benefits for our sales, business development solution management and marketing personnel, and commissions paid on sales. This category also includes amounts spent on marketing networking events, promotional materials, hardware and software to prospective new customers, including those expenses incurred in trade shows and product demonstrations, and other related expenses. Our research and development expenses represent the salaries and benefits of those individuals who develop and maintain our proprietary software platforms and other software applications we design and sell to our customers. Our general and administrative expenses consist of corporate overhead, including administrative salaries, real property lease payments, salaries and benefits for our corporate officers and other expenses such as legal and accounting fees. Recent Developments Reverse stock split On March 23, 2023, the Company filed Articles of Amendment with the Secretary of State of the State of Minnesota to effectuate, effective March 27, 2023, a one-for-three stock split of the shares of the Company’s common stock, par value \$ 0.01 per share. As a result of the reverse stock split, effective 12:01 am on March 27, 2023, every three shares of common stock then issued and outstanding automatically combined into one share of common stock, with no change in par value per share. No fractional shares were outstanding following the reverse stock split and any fractional shares resulting from the reverse split were rounded up to the nearest whole share of common stock. In connection with the reverse stock split, the total number of shares of common stock authorized for issuance was reduced from 200,000,000 shares to 66,666,666 shares in proportion to the reverse stock split. Effective as of the same time as the reverse stock split, the number of shares of common stock available for issuance under the Company’s equity compensation plans were reduced in proportion to the reverse stock split. The reverse stock split also resulted in the number of shares of common stock issuable upon exercise of outstanding warrants, or the exercise or vesting of equity awards, in proportion to the reverse stock split and caused a proportionate increase in exercise price or share-based performance criteria, where applicable. Rejection of unsolicited offer On February 2, 2023, we received an unsolicited proposal from Pegasus Capital Advisors, L.P., on behalf of itself and certain of its affiliates, including Slipstream (collectively, “Pegasus”), to acquire all of the outstanding shares of common stock of the Company that are not owned by Pegasus for a purchase price of \$ 0.83 per share (or, as a result of our recent reverse stock split, \$ 2.49 per share) in cash. Pegasus is the beneficial owner of our common stock owned of record by Slipstream. The Special Committee of the Company’s Board of Directors (the “Special Committee”) has concluded that such proposal undervalues the Company based on the Special Committee’s views of the intrinsic value of the Company’s existing business and current and future prospects, and is not in the best interests of the Company’s existing shareholders. Consequently, the Special Committee has advised Pegasus that it has rejected the proposal. Pegasus may or may not determine to revise its proposal. The Special Committee remains available to evaluate and respond to a revised proposal by Pegasus. There can be no assurance that any revised proposal or definitive offer will be made or accepted, that any agreement will be executed, or that any transaction will be consummated. Please see Note 8 Loans Payable, Note 10 Business Combinations, Note 12 Warrants, and Note 13 Stock-based Compensation to the Company’s Consolidated Financial Statements contained in this Report for a description of other recent developments of the Company that occurred during, and subsequent to, the year ended December 31, 2022. 26 Critical Accounting Policies and Estimates Our management is responsible for our financial statements and has evaluated the accounting policies to be used in their preparation. Our management believes these policies are reasonable and appropriate. The Company’s significant accounting policies are described in Note 2 Summary of Significant Accounting Policies of the Company’s Consolidated Financial Statements included within Part II, ITEM 8 of this Annual Report. The following discussion identifies those accounting policies that we believe are critical in the preparation of our financial statements, the judgments and uncertainties affecting the application of those policies and the possibility that materially different amounts will be reported under different conditions or using different assumptions. The preparation of financial statements in conformity with GAAP requires that management make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of commitments and contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Our actual results could differ from those estimates. Revenue Recognition We recognized revenue in accordance with Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) 606, Revenue from Contracts with Customers (“ASC 606”). Under ASC 606, we account for revenue using the following steps: • Identify the contract, or contracts, with a customer • Identify the performance obligations in the contract • Determine the transaction price • Allocate the transaction price to the identified performance obligations • Recognize revenue when, or as, we satisfy our performance obligations See Note 2 Summary of Significant Accounting Policies and Note 4 Revenue Recognition in our Consolidated Financial Statements, included in Part II, ITEM 8 of this Annual Report, for a complete discussion of our revenue recognition policies. Allowance for Doubtful Accounts We have not made any material changes in the accounting methodology we use to measure the estimated liability for doubtful accounts during the past two fiscal years. The Company’s methodology for calculating the allowance for doubtful accounts consists of (1) reserving for specific receivables which (a) are known to be facing serious financial problems, (b) have a trade dispute with the Company, or (c) are significantly aged and/or unresponsive, and (2) a general reserve for unaged accounts receivable based on a percentage of revenue each period. We do not believe there is a reasonable likelihood that there will be a material change in the future estimates or assumptions we use to establish the liability for doubtful accounts. However, if actual results are not consistent with our estimates or assumptions, we may be exposed to losses or gains that could be material. 27 Goodwill Goodwill is evaluated for impairment annually as of September 30 and whenever events or circumstances make it more likely than not that impairment may have occurred. We have no other indefinite-lived intangible assets. We test goodwill for impairment by comparing the book value to the fair value at the reporting unit level. We have only one reporting unit, and therefore the entire goodwill is allocated to that reporting unit. The fair value of the reporting unit is determined by using a discounted cash flow analysis consisting of various assumptions, including expectations of future cash flows based on projections or forecasts derived from analysis of business prospects and economic or market trends that may occur. We use these same expectations in other valuation models throughout the business. In addition to the discounted cash flow analysis, we utilize a leveraged buy-out model, trading comps and market capitalization to ultimately determine an estimated fair value of our reporting unit based on weighted average calculations from these models. We base our fair value estimates on assumptions we believe to be reasonable but that are unpredictable and inherently uncertain. If the carrying amount exceeds the fair value, further analysis is performed to measure the impairment loss. In addition, our market capitalization could fluctuate from time to time. Such fluctuation may be an indicator of possible impairment of goodwill if our market capitalization falls below its book value. If this situation occurs, we perform the required detailed analysis to determine if there is impairment. No impairment was recorded as a result of our annual assessment completed as of September 30, 2022. At December 31, 2022, we concluded the decline in our market value represented an interim indicator of potential impairment. Based on a quantitative assessment of our fair value performed at December 31, 2022, using the same approach as our annual impairment performed at September 30, described above, we concluded that the carrying value of our goodwill did not exceed the reporting unit fair value. There was no impairment during the year-ended December 31, 2022. The valuation of goodwill is subject to a high degree of judgment, uncertainty and complexity. We do not believe there is a reasonable likelihood that there will be a material change in the future estimates or assumptions we use to test for impairment losses on goodwill. However, if actual results are not consistent with our estimates or assumptions, we may be exposed to an impairment charge that could be material. Income Taxes Accounting for income taxes requires recognition of deferred tax liabilities and assets for the expected future tax consequences of events that have been included in the financial statements or tax returns. Under this method, deferred tax assets and liabilities are determined based on the difference between the financial statement and tax bases of assets and liabilities. These deferred taxes are measured by applying the provisions of tax laws in effect at the balance sheet date, including the impact of the Tax Cuts and Jobs Act (the “Tax Act”) enacted on December 22, 2017. We recognize in income the effect of a change in tax rates on deferred tax assets and liabilities in the period that includes the enactment date. As of December 31, 2022, a full valuation allowance is recorded against our deferred tax. The valuation allowance is based, in part, on our estimate of future taxable income, the expected utilization of federal and state tax loss carryforwards, and credits and the expiration dates of such tax loss carryforwards. Significant assumptions are used in developing the analysis of future taxable income for purposes of determining the valuation allowance for deferred tax assets which, in our opinion, are reasonable under the circumstances. Impact of Recently Issued Accounting Pronouncements Refer to Note 3 Recently Issued Accounting Pronouncements in our Consolidated Financial Statements included in Part II, ITEM 8 of this Annual Report, for a full description of recent accounting pronouncements, including the expected dates of adoption and estimated effects on results of operations and financial condition, which is incorporated herein by reference. Note: All dollar amounts reported in Results of Operations are in thousands, except per-share information. 28 Year Ended December 31, 2022 Compared to Year Ended December 31, 2021 The tables presented below compare our results of operations from one period to another, and present the results for each period and the change in those results from one period to another in both dollars and percentage change. Year Ended December 31, Change 2022-2021 % Sales \$ 43,350 \$ 18,437 \$ 24,913 % Cost of sales 25,611 10,080 15,531 % Gross profit 17,739 8,357 9,382 % Sales and marketing expenses 3,651 1,153 2,498 % Research and development expenses 1,251 % General and administrative expenses 11,892 7,321 4,571 % Depreciation and amortization expense 2,833 1,364 1,469 % Deal and transaction % Total operating expenses 20,219 10,906 9,313 % Operating loss (2,480) (2,549) 3 % Other income / (expenses): Interest expense (2,743) (805) (1,938) % Change in fair value of warrant liability 7,902 7,902 % Change in fair value of equity guarantee 1,074 1,074 % Change in fair value of

Convertible Loan (166) -100% Loss on debt waiver consent (1, 212) - (1, 212) % Loss on warrant amendment (345) - (345) % Gain / (loss) on settlement of debt (237) 3, 449 (3, 686) -107% Other expense (4) (7) - 43% Total other income / (expense) 4, 435 2, 803 1, 632 % Net income before income taxes 1, 955 1, 701 % Income tax expense (79) (22) (57) % Net income \$ 1, 876 \$ 1, 644 %

29 Sales increased by \$ 24, 913, or 135 %, in 2022 as compared to 2021 driven in part by the acquisition of Reflect Systems, Inc. (" Reflect") via merger (the " Merger") on February 17, 2022, and the Company's successful sales activities as a combined company post - Merger. Hardware revenues were \$ 19, 895 in 2022, an increase of \$ 10, 445 or 111 %, as compared to the prior year. The increase was driven by large scale LED deployments during the year by multiple customers and the acquisition of Reflect. Services and other revenues were \$ 23, 455 in 2022, an increase of \$ 14, 468, driven by the acquisition of Reflect and the Company's successful sales activities post - Merger. Managed services revenue, which includes both SaaS and help desk technical subscription services were \$ 14, 320 for the year ended December 31, 2022 as compared to \$ 5, 596 for the year ended December 31, 2021. The increase is driven by the addition of Reflect's SaaS subscription revenue in the current year. This represents a year-over-year growth rate of 156 % in our higher margin, typically subscription-based, managed service revenue. Gross Profit Gross profit increased \$ 9, 382 to \$ 17, 739 in 2022 from \$ 8, 357 in 2021, or 112 %, through a combination of a 135 % increase in revenue offset partially by a 4. 4 % reduction in gross margin percentage. Gross margin decreased to 40. 9 % from 45. 3 % driven by (i) revenue mix during 2022 related to several material customer hardware rollouts in the year that had a lower gross profit margin than our software services and (ii) a \$ 1, 249 increase in our inventory reserve related to Safe Space Solutions. We are no longer actively promoting the sale of our Safe Space Solutions or purchasing inventory to support such solutions. We expect the contraction in gross margin to be less severe as we move beyond 2022. Sales and Marketing Expenses Sales and marketing expenses generally include the salaries, taxes, and benefits of our sales and marketing personnel, as well as trade show activities, travel, and other related sales and marketing costs. Sales and marketing expenses increased by \$ 2, 498, or 217 %, for the year ended December 31, 2022 as compared to the same period in 2021 driven primarily by (i) the inclusion in the prior year of a benefit of \$ 232 related Employee Retention Credits (" ERC") related to the retention and payment of salaries to sales personnel throughout 2020 and the nine months ended September 30, 2021, (ii) the acquisition of Reflect via the Merger on February 17, 2022, and (iii) the Company's enhanced investments into sales and marketing activities post - COVID -19 pandemic. Immediately following the Merger, the Company integrated the sales and marketing functions of the Company and Reflect and did not disaggregate expenses between the two legacy companies. Following the Merger and through integration activities, the Company adopted certain tools, technology, and processes - particularly with respect to lead generation and brand marketing - that the Company believes were undercapitalized historically by the Company. Additionally, the Company engaged an investor relations firm and has increased investor relations activities, including conferences and presentations. As a result, we expect the sales and marketing expenses of the Company for the year ended December 31, 2022 to adequately reflect the pace for spend in these areas in future reporting periods. Research and Development Expenses Research and development expenses generally include personnel and development tools costs associated with the continued development of the Company's content management systems and other related application development. Research and development expenses increased by \$ 701, or 127 %, for the year ended December 31, 2022 as compared to the same period in 2021 driven primarily by (i) the inclusion in the prior year of a benefit of \$ 196 related ERC, and (ii) the acquisition of Reflect via the Merger on February 17, 2022. Through the Merger, we acquired a fully staffed, experienced software development team and elected to keep that team in-tact, particularly given employment market conditions with respect to talented software engineers. We have integrated the pre-existing CRI development team with the acquired team and have experienced enhanced speed to market on new feature and functionality development activities from increasing this resource pool. We expect this elevated level of expense during the year ended December 31, 2022 to continue into the future as we develop our current and future product set. General and Administrative Expenses General and administrative expenses increased \$ 4, 571, or 62 %, driven primarily by (i) the inclusion in the prior year of a benefit of \$ 694 related ERC, (ii) a prior period cash recovery of \$ 555 related to a customer bankruptcy for which the Company previously recorded a reserve, and (iii) increased headcount and operations as a result of the acquisition of Reflect on February 17, 2022. While the Company anticipates carrying higher general and administrative expenses moving forward as a result of the acquisition and subsequent expansion in organic revenues, the Company continues to execute integration activities (including but not limited to consolidation of CMS tools, cloud hosting environments, IT tools, and rightsizing leases for office space) that we expect will be realized by the end of 2022 and into 2023. 30 Depreciation and Amortization Expenses Depreciation and amortization expenses increased by \$ 1, 469, or 108 %, in 2022 compared to 2021. This was driven by the addition of \$ 17, 160 in amortizing intangible assets as a result of the Merger. Depreciation was consistent in both periods. Interest Expense See Note 8 Loans Payable to the Consolidated Financial Statements for a discussion of the Company's debt and related interest expense obligations. Changes in Fair Value of Warrant Liability During the year ended December 31, 2022, the Company recorded a gain of \$ 7, 902 as the result of assessing the fair value of warrant liabilities associated with the Company's issuance of warrants in its debt and equity offerings completed in February 2022 to finance the Merger. These warrants were initially assessed at fair value through Black Scholes calculation, with changes in fair value recognized at each period end. Change in Fair Value of Equity Guarantee The Company has contingent consideration arrangements related to certain acquisitions to potentially pay additional cash amounts in future periods based on the lack of achievement of certain share price performance goals of our common stock. Such contingent consideration arrangements are recorded at fair value and are classified as liabilities on the acquisition date and are remeasured at each reporting period in accordance with ASC 805-30-35-1 using a Monte Carlo simulation model. The change in the period represents the mark-to-market adjustment as of the balance sheet date. The Company updated its fair value analysis of the Convertible Loan, resulting in a change in fair value of the Convertible Loan of \$ 166, recognized during the year ended December 31, 2021. 31 Loss on Debt Waiver On February 17, 2022, in connection with obtaining a waiver of certain restrictions in investment documents between an investor and the Company in order to consummate the financing contemplated by the Company's credit agreement with Slipstream Communications, the Company paid consideration to such investor in the form of a warrant (the " Purchaser Warrant") to purchase 466, 667 shares of Company common stock in an at-the-market offering under Nasdaq rules. The number of shares of Company common stock subject to the Purchaser Warrant was equal to the waiver fee (\$ 175) divided by \$ 0. 375 per share. The exercise price of the Purchaser Warrant is \$ 4. 23 per share, and the Purchaser Warrant became exercisable on August 17, 2022. The Purchaser Warrant expires five years from the date of issuance. At the date of issuance, the Company performed a Black-Scholes valuation of the Purchaser Warrant, resulting in a fair value of \$ 2. 596 per warrant. In recording the warrant liability, the Company recorded an expense in the Consolidated Statement of Operations associated with the issuance of the Purchaser Warrant of \$ 1, 212. Loss on Warrant Amendment Effective June 30, 2022, the Company amended the terms of certain of its outstanding warrants. The amendments to such warrants removed the holder's option to determine the value of such warrants utilizing the volume weighted average price (" VWAP") of the Company's common stock on the trading day immediately preceding the date of a notice in a cashless exercise, and removed the condition to exercising such warrants that the Company's shareholders approve the exercise thereof (which had already been obtained). The amendments to the warrants also extended the term of such warrants for an additional one year. As a result of the extension in term provided in exchange for the amendment, the Company reassessed the fair value of each of the affected warrants, resulting in the Company recording a loss on the fair value of these warrants of \$ 345. Gain / Loss on Settlement of Obligations On February 17, 2022, the Company refinanced its debt facilities with Slipstream. The Company assessed the combination of the pre-existing senior secured term loan and secured convertible loan in accordance with ASC 470 Debt and determined the transaction should be accounted for as an extinguishment, in part as the Consolidation Term Loan eliminated a substantive conversion feature. In aggregate the Company recorded a loss on extinguishment of \$ 295, primarily associated with the write-off of pre-existing debt discounts. On January 11, 2021, the Company received a notice from Old National Bank regarding forgiveness of the loan in the principal amount of \$ 1, 552 (the " PPP Loan") that was made pursuant to the Small Business Administration Paycheck Protection Program under the Coronavirus Aid, Relief and Economic Security Act of 2020. According to such notice, the full principal amount of the PPP Loan and the accrued interest have been forgiven, resulting in a gain of \$ 1, 552 during the year ended December 31, 2021. On May 13, 2021, the Company and seller of Allure (" Seller") entered into a settlement agreement wherein neither party admitted liability, and the Company agreed to pay, and Seller agreed to accept, \$ 100 as settlement in full for the outstanding balance of principal and accrued interest under the Seller Note and a mutual release of all claims related to the Seller Note and Allure sale transaction under the Purchase Agreement and all related agreements. As a result of this settlement, the full principal amount of the Seller Note and the accrued interest have been eliminated, resulting in a gain in the Consolidated Financial Statements of \$ 1, 624, representing \$ 1, 538 related to the Seller Note and \$ 86 of related interest thereon, during the year ended December 31, 2021. 32 Supplemental Operating Results on a Non-GAAP Basis The following non-GAAP data, which adjusts for the categories of expenses described below, is a non-GAAP financial measure. Our management believes that this non-GAAP financial measure is useful information for investors, shareholders and other stakeholders of our Company in gauging our results of operations on an ongoing basis. We believe that EBITDA is a performance measure and not a liquidity measure, and therefore a reconciliation between net loss / income, a GAAP financial measure, and EBITDA and Adjusted EBITDA has been provided. EBITDA should not be considered as an alternative to net loss / income as an indicator of performance or as an alternative to cash flows from operating activities as an indicator of cash flows, in each case as determined in accordance with GAAP, or as a measure of liquidity. In addition, EBITDA does not take into account changes in certain assets and liabilities as well as interest and income taxes that can affect cash flows. We do not intend the presentation of these non-GAAP measures to be considered in isolation or as a substitute for results prepared in accordance with GAAP. These non-GAAP

measures should be read only in conjunction with our Consolidated Financial Statements prepared in accordance with GAAP that are included elsewhere in this Annual Report. Quarters Ended Year Ended December 31, September 30, June 30, March 31, Quarters ended 2022 2022 2022 2022 2022 GAAP net income (loss) \$ 1, 876 \$ (1, 334) \$ (554) \$ 1, 262 \$ 2, 502 Interest expense: Amortization of debt discount 1, 268 Other interest, net 1, 475 Depreciation / amortization: Amortization of intangible assets 2, 702 Amortization of employee share-based awards 1, 689 Depreciation of property and equipment Income tax expense / (benefit) (10) EBITDA \$ 9, 220 \$ 1, 534 \$ 2, 849 \$ 4, 130 Adjustments Gain on fair value of warrant liability (7, 902) (2, 433) (5, 469) (Gain) / loss on settlement of obligations (37) (21) Loss on debt waiver consent 1, 212 (1, 212) Loss on warrant amendment (Gain) / loss on fair value of equity guarantee (1, 074) (705) (442) Disposal of Safe Space Solutions inventory Deal and transaction costs Other income (6) Stock-based compensation Director grants Adjusted EBITDA \$ 3, 845 \$ 1, 028 \$ 1, 249 \$ 3 Quarters Ended Year Ended December 31, September 30, June 30, March 31, Quarters ended 2021 2021 2021 2021 2021 GAAP net income (loss) \$ (1, 722) \$ (343) \$ 1, 025 \$ 1, 272 Interest expense: Amortization of debt discount Other interest, net Depreciation / amortization: Amortization of intangible assets 1, 251 Amortization of finance lease assets Amortization of employee share-based awards 1, 494 Depreciation of property and equipment Income tax expense / (benefit) EBITDA \$ 3, 919 \$ (867) \$ 1, 887 \$ 2, 378 Adjustments Change in fair value of Special Loan (166) (166) Gain on settlement of obligations (3, 449) (256) (1, 628) (1, 565) Deal and transaction costs Stock-based compensation Director grants Adjusted EBITDA \$ 1, 221 \$ (31) \$ 34 Liquidity and Capital Resources See Note 1 Nature of Organization and Operations to the accompanying Consolidated Financial Statements for a detailed discussion of liquidity and financial resources. Operating Activities The cash flows (used in) / provided by operating activities were \$ (708) and \$ 471 for the years ended December 31, 2022 and 2021, respectively. We produced net income of \$ 1, 876. Following the Merger, our revenues have significantly expanded, particularly with respect to managed services revenue. Other than net income, cash provided by operating activities was driven by an expansion of accounts receivable and inventory of \$ 3, 927 and \$ 1, 472, partially offset by growth of \$ 914 of accounts payable and \$ 1, 112 of accrued expenses, respectively. Investing Activities Net cash used in investing activities during the year ended December 31, 2022 was \$ 21, 475 as compared to \$ 1, 159 for the same period in 2021. The use of cash in the current year was driven by (1) completion of the Merger and (2) continued investments in our software platforms. We currently do not have any material commitments for capital expenditures as of December 31, 2022; however, we anticipate continued elevated capital expenditures in excess of historical trends through second quarter of 2023 as we complete the modernization and internationalization of our automotive platform in an effort to capture incremental SaaS-based revenue contracts. Financing Activities Net cash provided by financing activities during the years ended December 31, 2022 and 2021 was \$ 20, 933 and \$ 1, 745, respectively. The current year results were primarily driven by completion of the Company's Equity Financing and Debt Financing (each as described in Note 10 Business Combinations to the accompanying Consolidated Financial Statements) in the period to facilitate the Merger, which provided net cash of \$ 10, 109 and \$ 9, 868, respectively. The Company also executed a \$ 2, 000 term note ("Term Note (2022)") with Slipstream (as described in Note 8 Loans Payable to the accompanying Consolidated Financial Statements). Cash provided by financing activities were reduced by \$ 1, 044 as a result of repayments of principal on the Secured Promissory Note (as described in Note 8 Loans Payable to the accompanying Consolidated Financial Statements). Off-Balance Sheet Arrangements During the year ended December 31, 2022, we did not engage in any off-balance sheet arrangements set forth in Item 303 (a) (4) of Regulation S-K. ITEM 7A QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK ITEM 8 FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA See Index to Consolidated Financial Statements on Page F-1. ITEM 9 CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE 35 ITEM 9A CONTROLS AND PROCEDURES Evaluation of Disclosure Controls and Procedures An evaluation was performed under the supervision and with the participation of our management, including our Chief Executive Officer (principal executive officer) and Chief Financial Officer (principal financial officer), of the effectiveness of our disclosure controls and procedures, as defined in Rules 13a-15 (c) and 15d-15 (c) under the Securities Exchange Act ("Exchange Act"), as of the end of the period covered by this Annual Report. Based on that evaluation, our management, including our Chief Executive Officer and Chief Financial Officer, concluded that our disclosure controls and procedures were effective as of December 31, 2022, and designed to ensure that information required to be disclosed by us in reports that we file or submit under the Exchange Act, is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure. Management's Annual Report on Internal Control Over Financial Reporting Our management is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15 (f) and 15d-15 (f) under the Exchange Act. Our internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Therefore, even those systems determined to be effective can provide only reasonable assurance of achieving their control objectives. Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we evaluated the effectiveness of our internal control over financial reporting as of December 31, 2022 based on the framework in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"). Based on our assessment and those criteria, management believes that we maintained effective internal control over financial reporting as of December 31, 2022. Changes in Internal Control over Financial Reporting There were no changes in our internal control over financial reporting that occurred during the quarter ended December 31, 2022, that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. ITEM 9B OTHER INFORMATION ITEM 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS. 36 PART III ITEM 10 DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE The information required by this Item is incorporated herein by reference to our definitive proxy statement for the 2023 Annual Meeting of Stockholders (the "Proxy Statement"), which will be filed with the SEC pursuant to Regulation 14A under the Exchange Act. ITEM 11 EXECUTIVE COMPENSATION The information required by this Item is incorporated by reference from the Proxy Statement. ITEM 12 SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS Securities Authorized for Issuance Under Equity Compensation Plans The table below sets forth certain information, as of the close of business on December 31, 2022, regarding equity compensation plans (including individual compensation arrangements) under which our securities were then authorized for issuance. Number of Securities Remaining Number of Available for Securities to be Weighted Issuance Under Issued Upon Average Equity Exercise of Exercise Price of Compensation Outstanding Outstanding Plans (excluding Options, Options, securities Warrants and Warrants and reflected in Rights Rights column a) Equity compensation plans approved by stockholders None (1) N/A None Equity compensation plans not approved by stockholders 1, 536, 225 (1) \$ 6. 75 194, 363 (2) (1) All shares reflected in the table are issuable upon exercise of outstanding stock options issued under the 2006 Amended and Restated Equity Incentive Plan or the 2014 Stock Incentive Plan. (2) Reflects number of securities remaining available for issuance under the 2014 Stock Incentive Plan. For information regarding the material features of each of the above plans see Note 13 Stock-based Compensation in our Consolidated Financial Statements included in this Annual Report. All other information required by this Item is incorporated by reference from the Proxy Statement. 37 ITEM 13 CERTAIN RELATIONSHIPS AND RELATED PARTY TRANSACTIONS, AND DIRECTOR INDEPENDENCE The information required by this Item is incorporated by reference from the Proxy Statement. ITEM 14 PRINCIPAL ACCOUNTANT FEES AND SERVICES PART IV ITEM 15 EXHIBITS AND FINANCIAL STATEMENT SCHEDULES (a) See "Index to Consolidated Financial Statements" on page F-1 and "Exhibit Index" on page 38. (b) See "Exhibit Index" on page 38. EXHIBIT INDEX Exhibit No. Description 2. 1 Agreement and Plan of Merger, dated as of November 12, 2021, by and between the registrant, CRI Acquisition Corporation, Reflect Systems, Inc., and RSI Exit Corporation (incorporated by reference to Exhibit 2. 1 to the registrant's Current Report on Form 8-K filed on November 15, 2021) 2. 2 Amendment to Agreement and Plan of Merger, dated as of February 8, 2022, by and among the registrant, CRI Acquisition Corporation, Reflect Systems, Inc., and RSI Exit Corporation (incorporated by reference to Exhibit 2. 1 to the registrant's Current Report on Form 8-K filed February 9, 2022) 2. 3 Second Amendment to Agreement and Plan of Merger dated as of February 11, 2023 by and among the registrant, Reflect Systems, Inc. and RSI Exit Corporation (incorporated by reference to Exhibit 10. 1 to the registrant's Current Report on Form 8-K filed February 15, 2023) 3. 1 Articles of Incorporation, as amended (incorporated by reference to registrant's Amendment No. 1 to Form SB-2 filed on October 12, 2006) 3. 2 Articles of Amendment filed September 15, 2014 with the Minnesota Secretary of State to change the name of the registrant (incorporated by reference to Exhibit 3. 1 to the registrant's Form 8-K filed with the SEC on September 17, 2014) 3. 3 Articles of Amendment filed with the Minnesota Secretary of State on October 14, 2014 to increase the authorized capital stock (incorporated by reference to Exhibit 3. 1 to the registrant's Form 8-K filed with the SEC on October 16, 2014) 3. 4 Series A-1 Convertible Preferred Stock Certificate of Designation of Preferences, Rights and Limitations filed with the Minnesota Secretary of State on October 30, 2015 (incorporated by reference to Exhibit 4. 2 of the registrant's Registration Statement on Form S-1 filed with the SEC on February 11, 2016) 3. 5 Articles of Amendment filed on October 17, 2018 with the Minnesota Secretary of State to effect reverse stock split (incorporated by reference to Exhibit 3. 3 to the registrant's registration statement on Form S-1 filed October 22, 2018) 3. 6 Statement of Cancellation of Certificate of Designation of Series A Convertible Preferred Stock filed with the Minnesota Secretary of State on March 18, 2019 (incorporated by reference to Exhibit 3. 1 to the registrant's Form 8-K filed with the SEC on March 18, 2019) 3. 7 Statement of Cancellation of

Certificate of Designation of Series A-1 Convertible Preferred Stock filed with the Minnesota Secretary of State on March 18, 2019 (incorporated by reference to Exhibit 3.2 to the registrant's Form 8-K filed with the SEC on March 18, 2019) 3.8 Articles of Amendment to effect reverse stock split and reduction of authorized capital filed with the Minnesota Secretary of State on March 22, 2023 (incorporated by reference to Exhibit 3.1 to the registrant's Current Report on Form 8-K filed with the SEC on March 24, 2023) 3.9 Amended and Restated Bylaws (incorporated by reference to the registrant's Current Report on Form 8-K filed on November 2, 2011) 4.1 Specimen certificate evidencing shares of Common Stock (incorporated by reference to Exhibit 4.2 of the Registrant's Registration Statement on Form SB-2 (File No. 333-136972)) 4.2 Form of Indenture between the registrant and one or more trustees to be named (incorporated by reference to Exhibit 4.4 of the Registrant's Registration Statement on Form S-3 (File No. 333-238275)) 4.3 Form of Warrant Issued to Selling Stockholders (November 19, 2018 Issuance date) (incorporated by reference to Exhibit 4.2 of the Registrant's Registration Statement on Form S-3 (File No. 333-239108)) 4.4 Warrant dated August 10, 2017, issued in favor of Slipstream Communications, LLC (incorporated by reference to the registrant's Form 10-Q filed with the SEC on November 14, 2017) 4.5 Warrant dated November 13, 2017, issued in favor of Slipstream Communications, LLC (incorporated by reference to the registrant's Form S-1 filed with the SEC on June 25, 2018) 4.6 Warrant dated January 16, 2018, issued in favor of Slipstream Communications, LLC (incorporated by reference to the registrant's Form S-1 filed with the SEC on June 25, 2018) 38 Exhibit No. Description 4.7 Warrant to Purchase Common Stock issued to Slipstream Communications, LLC on April 27, 2018 (incorporated by reference to Exhibit 10.31 of the registrant's Form S-1 filed with the SEC on June 25, 2018) 4.8 Warrant to Purchase Common Stock (entered into in connection with Loan and Security Agreement dated August 17, 2016) (incorporated by reference to the registrant's Quarterly Report on Form 10-Q filed with the SEC on November 21, 2016) 4.9 Form of Investor Warrant issued November 19, 2018 (incorporated by reference to Exhibit 4.3 to the registrant's Amendment No. 5 to Form S-1/A filed with the SEC on November 14, 2018) 4.10 Form of Representative's Warrant (incorporated by reference to Exhibit 4.4 to the registrant's Amendment No. 3 to Form S-1/A filed with the SEC on October 22, 2018) 4.11 Description of Registrant's Securities (incorporated by reference to Exhibit 4.14 of Registrant's Annual Report on Form 10-K for the fiscal year ended 12/31/2019) 4.12 Form of Pre-Funded Warrant (incorporated by reference to Exhibit 4.1 of the registrant's Current Report on Form 8-K filed February 4, 2022) 4.13 Investor Warrant dated June 30, 2022 (incorporated by reference to Exhibit 10.2 of the registrant's Current Report on Form 8-K filed July 7, 2022) 4.14 Lender Warrant dated June 30, 2022 (incorporated by reference to Exhibit 10.3 of the registrant's Current Report on Form 8-K filed July 7, 2022) 9.1 Voting and Lock-up Agreement dated November 12, 2021 among registrant, Reflect Systems, Inc. and certain stockholders of Reflect incorporated by reference to Exhibit 9.1 to the registrant's Current Report on Form 8-K filed November 15, 2021) 9.2 Voting Agreement dated November 12, 2021 among registrant, Reflect Systems, Inc. and certain stockholders of Registrant (incorporated by reference to Exhibit 9.2 to the registrant's Current Report on Form 8-K filed November 15, 2021) 10.1 Form of Warrant Agency Agreement between the Company and Computershare Trust Company, N.A. (incorporated by reference to Exhibit 4.5 of the registrant's registration statement on Form S-1 filed October 22, 2018) 10.2 Master Distribution Agreement dated June 19, 2020 by and between the Company and InReality, LLC (incorporated by reference to Exhibit 10.1 of the registrant's report on Form 8-K filed with the SEC on June 19, 2020) 10.3 ** Employment Agreement dated as of November 12, 2021 by and between the registrant and Riek Mills (incorporated by reference to Exhibit 10.1 to the registrant's Current Report on Form 8-K filed November 15, 2021) 10.4 ** Employment Agreement dated as of November 12, 2021 by and between the registrant and Will Logan. (incorporated by reference to Exhibit 10.2 to the registrant's Current Report on Form 8-K filed November 15, 2021) ** 10.5 Form of Securities Purchase Agreement dated February 3, 2022 by and between Creative Realities, Inc. and the Investors (incorporated by reference to Exhibit 10.1 of the registrant's Current Report on Form 8-K filed February 4, 2022) 10.6 Form of Registration Rights Agreement dated February 3, 2022 by and between Creative Realities, Inc. and the Investors (incorporated by reference to Exhibit 10.2 of the registrant's Current Report on Form 8-K filed February 4, 2022) 10.7 Second Amended and Restated Loan and Security Agreement by and among the registrant, its subsidiaries and Slipstream Communications, LLC (incorporated by reference to Exhibit 10.1 of the registrant's Current Report on Form 8-K filed February 18, 2022) 10.8 First Amendment to Second Amended and Restated Loan and Security Agreement (incorporated by reference to Exhibit 10.4 to the registrant's Quarterly Report on Form 10-Q filed with the SEC on November 14, 2022) 10.9 \$10,000,000 Acquisition Term Note (incorporated by reference to Exhibit 10.2 of the registrant's Current Report on Form 8-K filed February 18, 2022) 39 Exhibit No. Description 10.10 \$7,185,319.06 Consolidation Term Note (incorporated by reference to Exhibit 10.3 of the registrant's Current Report on Form 8-K filed February 18, 2022) 10.11 Term Note (2022) (incorporated by reference to Exhibit 10.5 to the registrant's Quarterly Report on Form 10-Q filed with the SEC on November 14, 2022) 10.12 Note and Security Agreement (incorporated by reference to Exhibit 10.4 of the registrant's Current Report on Form 8-K filed February 18, 2022) 10.13 First Amendment to Note and Security Agreement (incorporated by reference to Exhibit 10.2 of the registrant's Current Report on Form 8-K filed February 15, 2022) 10.14 ** 2014 Stock Incentive Plan, as amended (incorporated by reference to Exhibit A to the registrant's definitive proxy statement on Schedule 14A filed with the SEC on June 12, 2020) 10.15 ** Retention Bonus Plan (incorporated by reference to Exhibit 10.5 of the registrant's Current Report on Form 8-K filed February 18, 2022) 10.16 ** Form of Retention Bonus Plan Award Agreement (incorporated by reference to Exhibit 10.6 of the registrant's Current Report on Form 8-K filed February 18, 2022) 10.17 ** Amendment to Stock Option Agreement dated June 15, 2022 between the Company and Riek Mills (incorporated by reference to Exhibit 10.1 to the registrant's Current Report on Form 8-K filed with the SEC on June 17, 2022) 10.18 ** Amendment to Stock Option Agreement dated June 15, 2022 between the Company and Will Logan (incorporated by reference to Exhibit 10.2 to the registrant's Current Report on Form 8-K filed with the SEC on June 17, 2022) 10.19 ** Stock Option Agreement dated June 15, 2022 between the Company and Riek Mills (incorporated by reference to Exhibit 10.3 to the registrant's Current Report on Form 8-K filed with the SEC on June 17, 2022) 10.20 ** Stock Option Agreement dated June 15, 2022 between the Company and Will Logan (incorporated by reference to Exhibit 10.4 to the registrant's Current Report on Form 8-K filed with the SEC on June 17, 2022) 14.1 Code of Business Conduct and Ethics (incorporated by reference to Exhibit 14.1 of the Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2018) 21.1 List of Subsidiaries * 23.1 Consent of Deloitte & Touche LLP * 31.1 Chief Executive Officer Certification pursuant to Exchange Act Rule 13a-14(a). * 31.2 Chief Financial Officer Certification pursuant to Exchange Act Rule 13a-14(a). * 32.1 Chief Executive Officer Certification pursuant to 18 U.S.C. Section 1350. * 32.2 Chief Financial Officer Certification pursuant to 18 U.S.C. Section 1350. * 101. SCH Inline XBRL Taxonomy Extension Schema Document. * 101. CAL Inline XBRL Taxonomy Extension Calculation Linkbase Document. * 101. DEF Inline XBRL Taxonomy Extension Definition Linkbase Document. * 101. LAB Inline XBRL Taxonomy Extension Label Linkbase Document. * 101. PRE Inline XBRL Taxonomy Extension Presentation Linkbase Document. * 104 Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101). ** Filed herewith ** Compensatory Plan or arrangement required to be filed pursuant to Item 15 (b) of Form 10-K. This exhibit shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference into any of the Company's filings under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such filing. (c) Not applicable. ITEM 16. FORM 10-K SUMMARY. 40 SIGNATURES Pursuant to the requirements of Section 13 or 15 (d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. March 30, 2023. Creative Realities, Inc. By /s/ Richard Mills Richard Mills Chief Executive Officer By /s/ Will Logan Will Logan Chief Financial Officer In accordance with the Exchange Act, this report has been signed below by the following persons on behalf of the registrant, and in the capacities and on the date indicated. Signature Title Date /s/ Richard Mills Chief Executive Officer (Principal Executive Officer) March 30, 2023 Richard Mills and Director /s/ Will Logan Chief Financial Officer (Principal Financial and March 30, 2023 Will Logan Principal Accounting Officer) /s/ Dennis McGill Chairman of the Board of Directors March 30, 2023 Dennis McGill /s/ David Bell Director March 30, 2023 David Bell /s/ Donald Harris Director March 30, 2023 Donald Harris /s/ Steve Nesbit Director March 30, 2023 Steve Nesbit 41 INDEX TO CONSOLIDATED FINANCIAL STATEMENTS Report of Independent Registered Public Accounting Firm (PCAOB ID No. 34) F-2 Consolidated Financial Statements Consolidated Balance Sheets F-5 Consolidated Statements of Operations F-6 Consolidated Statements of Shareholders' Equity F-7 Consolidated Statements of Cash Flows F-8 Notes to Consolidated Financial Statements F-9 F-1 REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM To the shareholders and the Board of Directors of Creative Realities, Inc. Opinion on the Financial Statements We have audited the accompanying consolidated balance sheets of Creative Realities, Inc. and subsidiaries (the "Company") as of December 31, 2022 and 2021, the related consolidated statements of operations, shareholders' equity, and cash flows, for each of the two years in the period ended December 31, 2022 and the related notes (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the two years in the period ended December 31, 2022, in conformity with accounting principles generally accepted in the United States of America. Basis for Opinion These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the

PCAOB. We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion. Critical Audit Matter The critical audit matter communicated below is a matter arising from the current period audit of the financial statements that was communicated or required to be communicated to the audit committee and that (1) relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates. F-2 Goodwill—Refer to Notes 2 and 7 to the Financial Statements Critical Audit Matter Description The Company operates as a single reportable segment, operating segment and reporting unit. The Company's evaluation of goodwill for impairment involves comparing the book value of the reporting unit to its estimated fair value. The Company's determination of estimated fair value of the reporting unit is based primarily on a discounted cash flow model utilizing the income approach. The Company used the discounted cash flow model to estimate fair value which requires management to make significant estimates and assumptions related to the valuation of the reporting unit, including assumptions regarding discount rates and forecasts of future revenue and operating margins. Changes in these assumptions could have a significant impact on either the fair value of the reporting unit, the amount of any goodwill impairment charge, or both. The Company's annual impairment assessment date is September 30. The estimated fair value of the reporting unit exceeded the carrying value at September 30, 2022. As a result of continued depression of the Company's market price for its common stock, management performed an interim qualitative assessment at December 31, 2022 and concluded there were indicators of potential impairment which required the performance of a quantitative assessment. Management engaged outside valuation specialists to assist in the estimation of fair value of the reporting unit at December 31, 2022. As a result of this assessment, management concluded that the estimated fair value of the reporting unit exceeded the carrying value at December 31, 2022, and therefore, no impairment was recognized. We identified the valuation of goodwill as a critical audit matter because of the significant estimates and assumptions management made to estimate the fair value of the reporting unit using the discounted cash flow approach. This required a high degree of auditor judgment and an increased extent of effort, including the need to involve internal fair value specialists, when performing audit procedures to evaluate the reasonableness of management's estimates and assumptions. How the Critical Audit Matter Was Addressed in the Audit Our audit procedures related to the significant estimates and assumptions included in the Company's discounted cash flow valuation models included the following, among others, for both the annual and interim impairment tests: • We evaluated the reasonableness of management's forecasts of revenue, gross profit, operating income / EBITDA, and capital expenditures by comparing the forecasts to: (1) historical revenue, gross profit, operating income / EBITDA, and capital expenditures, (2) internal communications to management and the Board of Directors, and (3) forecasted information included in industry reports for the Company. • We performed a retrospective review of forecasted assumptions from the prior year to evaluate the credibility of management's forecasting process. • For significant new revenue contracts, we obtained evidence of the executed contract, project timeline, and project scope, as applicable. • We evaluated changes in forecasted information from the annual impairment date to the interim impairment date and obtained supporting evidence for any significant changes in forecasted information. F-3 • With the assistance of our internal fair value specialists: (1) We evaluated the reasonableness of the discounted cash flow valuation methodology and performed underlying procedures on the mathematical accuracy of the calculations. (2) We evaluated the reasonableness of the long-term growth rate used in the discounted cash flow model by comparing the information used by the Company to third party economic and industry related information. (3) We evaluated the reasonableness of the discount rate used in the discounted cash flow model by testing the underlying source information, developing an independent range of estimated discount rates and comparing that range to the discount rate selected by the Company. (4) We evaluated the reasonableness of the company-specific risk premium used in the discounted cash flow model by comparing the risk premium to a range based on our independent research of the facts and circumstances. (5) We evaluated the reasonableness of the control premiums used by management and management's valuation specialists by developing an independent range of control premiums and comparing that range to the rate selected by the Company. / s/ Deloitte & Touche LLP Louisville, Kentucky March 30, 2023 We have served as the Company's auditor since 2020. F-4 CREATIVE REALITIES, INC. CONSOLIDATED BALANCE SHEETS (in thousands, except per share amounts) December 31, 2022 2021 ASSETS CURRENT ASSETS Cash and cash equivalents \$ 1,633 \$ 2,883 Accounts receivable, net of allowance for doubtful accounts of \$ 984 and \$ 620, respectively 8,263 3,006 Unbilled receivables 369 Inventories, net 2,267 1,880 Prepaids and other current assets 1,819 1,634 Total current assets 13,982 9,772 Property and equipment, net 201 75 Operating lease right-of-use assets 1,584 654 Intangibles, net 23,752 4,850 Goodwill 26,453 7,525 Other assets 43 5 TOTAL ASSETS \$ 66,015 \$ 22,881 LIABILITIES AND SHAREHOLDERS' EQUITY CURRENT LIABILITIES Accounts payable \$ 3,757 \$ 2,517 Accrued expenses 3,828 2,110 Deferred revenues 1,223 426 Customer deposits 2,478 1,525 Current maturities of operating leases 711 281 Short-term portion of Secured Promissory Note 1,248 Short-term portion of related party Consolidation Term Loan, net of \$ 745 and \$ 0 discount, respectively 1,251 Short-term related party Term Loan (2022) 2,000 Total current liabilities 16,496 6,859 Long-term Secured Promissory Note 208 Long-term related party Acquisition Term Loan, net of \$ 1,484 and \$ 0 discount, respectively 8,516 Long-term related party Consolidation Term Loan, net of \$ 840 and \$ 0 discount, respectively 4,349 Long-term related party loans payable, net of \$ 0 and \$ 143 discount, respectively 4,624 Long-term related party convertible loans payable, at fair value 2,251 Long-term obligations under operating leases 873 373 Contingent acquisition consideration, at fair value 9,789 Other liabilities 205 45 TOTAL LIABILITIES 40,436 14,152 SHAREHOLDERS' EQUITY Common stock, \$ 0.01 par value, 66,666 shares authorized; 7,266 and 4,002 shares issued and outstanding, respectively 218 120 Additional paid-in capital 75,770 60,863 Accumulated deficit (50,409) (52,254) Total shareholders' equity 25,579 8,729 TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY \$ 66,015 \$ 22,881 See accompanying Notes to Consolidated Financial Statements. F-5 CONSOLIDATED STATEMENTS OF OPERATIONS For the Years Ended December 31, 2022 2021 Sales Hardware \$ 19,895 \$ 9,450 Services and other 23,455 8,987 Total sales 43,350 18,437 Cost of sales Hardware 16,613 6,914 Services and other 8,998 3,166 Total cost of sales 25,611 10,080 Gross profit 17,739 8,357 Operating expenses: Sales and marketing 3,651 1,153 Research and development 1,251 General and administrative 11,892 7,321 Depreciation and amortization 2,833 1,364 Deal and transaction costs Total operating expenses 20,219 10,906 Operating loss (2,480) (2,549) Other income / (expenses): Interest expense, including amortization of debt discount (2,743) (805) Change in fair value of warrant liability 7,902 Change in fair value of equity guarantee 1,074 Gain on settlement of obligations (237) 3,449 Gain on fair value of debt Loss on debt waiver consent (1,212) Loss on warrant amendment (345) Other income / (expense), net (4) (7) Total other income / (expense) 4,435 2,803 Net income before income taxes 1,955 Income tax expense (79) (22) Net income \$ 1,876 \$ Net income per common share—basic \$ 0.28 \$ 0.06 Net income per common share—diluted \$ 0.28 \$ 0.06 Weighted average shares outstanding—basic 6,664 3,920 Weighted average shares outstanding—diluted 6,664 3,920 F-6 CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY For the years ended December 31, 2022 and 2021 (in thousands, except shares) Additional Common Stock paid in Accumulated Year ended December 31, 2022 Shares Amount capital (Deficit) Total Balance as of December 31, 2021 4,002,843 \$ 60,863 \$ (52,254) \$ 8,729 Stock-based compensation—employees—1,689—1,689 Stock-based compensation—directors—Stock-based compensation—vendors 41,269—Shares issued and warrants exercised in private investment in public entity ("PIPE") 2,388,836 2,206—2,278 Shares issued in Reflect Systems, Inc. Merger 833,334 4,975—5,000 Warrant repricing events—(31)—Warrant amendment—5,709—5,709 Net income—1,876—1,876 Balance as of December 31, 2022 7,266,266,382 \$ 75,770 \$ (50,409) \$ 25,579 Additional Common Stock paid in Accumulated Year ended December 31, 2021 Shares Amount capital (Deficit) Total Balance as of December 31, 2020 3,641,429 \$ 56,712 \$ (52,486) \$ 4,335 Stock-based compensation—employees—1,494—1,494 Stock-based compensation—directors 35,511—Stock-based compensation—vendors 26,854 Conversion of Disbursed Eserow Loan 32,382 Gain on Extinguishment of Special Loan—Shares issued via registered direct offering 266,667 1,841—1,849 Net income—Balance as of December 31, 2021 4,002,843 \$ 60,863 \$ (52,254) \$ 8,729 F-7 CONSOLIDATED STATEMENTS OF CASH FLOWS (in thousands, except share per share amounts) For the Years Ended December 31, 2022 2021 Operating Activities: Net income \$ 1,876 \$ Adjustments to reconcile net income to be used in operating activities: Depreciation and amortization 2,833 1,364 Amortization of debt discount 1,268 Stock-based compensation 2,116 2,023 Change in excess/obsolete inventory reserve 1,275 Change in allowance for doubtful accounts Employee retention and other government credits (785) Increase in notes due to in-kind interest Non-cash receivables from in-process projects (369) Non-cash application of customer deposits to completed projects (506) Gain on forgiveness of Paycheck Protection Program (1,552) Gain on settlement of Seller Note (1,538) Loss / (Gain) on settlement of obligations (359) Changes in fair value of Convertible Loan (166) Loss on debt waiver consent 1,212 Loss on warrant amendment Gain on change in fair value of contingent consideration (1,074) Gain on change in fair value of warrants (7,902) Changes to operating assets and

liabilities: Accounts receivable and unbilled receivables (3,927) (673) Inventories (1,472) Prepaid expenses and other current assets (342) Accounts payable and other current payables Deferred revenue (462) (338) Accrued expenses, net 1,112 Customer deposits 1,261 Other (47) Net cash provided by / (used in) operating activities (708) Investing activities Acquisition of business, net of cash acquired (17,186) Purchases of property and equipment (149) (19) Capitalization of internal and external labor for software development (4,140) (1,140) Net cash used in investing activities (21,475) (1,159) Financing activities Principal payments on finance leases (4) Proceeds from sale of common stock in PIPE, net of offering expenses 1,814 Proceeds from sale & exercise of pre-funded warrants in PIPE, net of offering expenses 8,295 Proceeds from Acquisition Term Loan, net of offering expenses 9,868 Proceeds from Term Loan (2022) 2,000 Repayment of seller note (1,044) (100) Proceeds from common stock issuance, net of issuance costs 1,849 Net cash provided by financing activities 20,933 1,745 Decrease in Cash and Cash Equivalents (1,250) 1,057 Cash and Cash Equivalents, beginning of year 2,883 1,826 Cash and Cash Equivalents, end of year \$ 1,633 \$ 2,883

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (in thousands, except share and per share amounts) All currency is rounded to the nearest thousands except share and per share amounts. On March 27, 2023, the Company effectuated a 1-for-3 reverse stock split of its outstanding common stock. These Notes to Consolidated Financial Statements and the accompanying Consolidated Financial Statements give retroactive effect to the reverse stock split for all periods presented. The shares of common stock retained a par value of \$ 0.01 per share.

NOTE 1: NATURE OF ORGANIZATION AND OPERATIONS Unless the context otherwise indicates, references in these Notes to the accompanying Consolidated Financial Statements to “we,” “us,” “our” and “the Company” refer to Creative Realities, Inc. and its subsidiaries. Nature of the Company’s Business Creative Realities, Inc. is a Minnesota corporation that provides innovative digital marketing technology and solutions to retail companies, individual retail brands, enterprises and organizations throughout the United States and in certain international markets. The Company has expertise in a broad range of existing and emerging digital marketing technologies, as well as the related media management and distribution software platforms and networks, device management, product management, customized software service layers, systems, experiences, workflows, and integrated solutions. Our technology and solutions include: digital merchandising systems and omni-channel customer engagement systems, interactive digital shopping assistants, advisors and kiosks, and other interactive marketing technologies such as mobile, social media, point-of-sale transactions, beaconing and web-based media that enable our customers to transform how they engage with consumers. We have expertise in a broad range of existing and emerging digital marketing technologies, as well as the following related aspects of our business: content, network management, and connected device software and firmware platforms; customized software service layers; hardware platforms; digital media workflows; and proprietary processes and automation tools. Our main operations are conducted directly through Creative Realities, Inc., and under our wholly owned subsidiaries Allure Global Solutions, Inc., a Georgia corporation, Creative Realities Canada, Inc., a Canadian corporation, and Reflect Systems, Inc., a Delaware corporation.

Liquidity and Financial Condition The accompanying Consolidated Financial Statements have been prepared on the basis of the realization of assets and the satisfaction of liabilities and commitments in the normal course of business and do not include any adjustments to the recoverability and classifications of recorded assets and liabilities as a result of uncertainties. At December 31, 2022, we have an accumulated deficit of (\$ 50,409), negative working capital of (\$ 2,514) and cash of \$ 1,633. For the year ended December 31, 2022, we incurred an operating loss of (\$ 2,480) and cash outflows from operations of (\$ 708). Our history of operating losses and near-term cash obligations are indicators of substantial doubt about our ability to continue as a going concern. We obtained a continued support letter from Shipstream Communications, LLC (“Shipstream”) through March 31, 2024, which alleviated the substantial doubt about our ability to continue as a going concern. We can provide no assurance that our ongoing operational efforts will be successful which could have a material adverse effect on our results of operations and cash flows.

NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES A summary of the significant accounting policies consistently applied in the preparation of the accompanying Consolidated Financial Statements follows:

- 1. Basis of Presentation** The accompanying Consolidated Financial Statements have been prepared in accordance with the instructions to Form 10-K and Article 8 of Regulation S-X and include all of the information and disclosures required by generally accepted accounting principles in the United States of America (“GAAP”) for annual financial reporting. The Consolidated Financial Statements include the accounts of Creative Realities, Inc. and our wholly owned subsidiaries Allure, Creative Realities (Canada), Inc., and Reflect Systems, Inc. All intercompany balances and transactions have been eliminated in consolidation, as applicable.
- 2. Revenue Recognition** We recognize revenue in accordance with Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) 606, Revenue from Contracts with Customers, applying the five-step model. If an arrangement involves multiple performance obligations, the items are analyzed to determine the separate units of accounting, whether the items have value on a standalone basis and whether there is objective and reliable evidence of their standalone selling price. The total contract transaction price is allocated to the identified performance obligations based upon the relative standalone selling prices of the performance obligations. The standalone selling price is based on an observable price for services sold to other comparable customers, when available, or an estimated selling price using a cost plus margin approach. The Company estimates the amount of total contract consideration it expects to receive for variable arrangements by determining the most likely amount it expects to earn from the arrangement based on the expected quantities of services it expects to provide and the contractual pricing based on those quantities. The Company only includes some or a portion of variable consideration in the transaction price when it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Company considers the sensitivity of the estimate, its relationship and experience with the client and variable services being performed, the range of possible revenue amounts and the magnitude of the variable consideration to the overall arrangement. The Company receives variable consideration in very few instances. Revenue is recognized when a customer obtains control of promised goods or services under the terms of a contract and is measured as the amount of consideration the Company expects to receive in exchange for transferring goods or providing services. The Company does not have any material extended payment terms as payment is due at or shortly after the time of the sale, typically ranging between thirty and ninety days. Observable prices are used to determine the standalone selling price of separate performance obligations or a cost plus margin approach when one is not available. Sales, value-added and other taxes collected concurrently with revenue producing activities are excluded from revenue. The Company recognizes contract assets or unbilled receivables related to revenue recognized for services completed but not yet invoiced to the clients. A contract liability is recognized as deferred revenue when the Company invoices clients in advance of performing the related services under the terms of a contract. Deferred revenue is recognized as revenue when the Company has satisfied the related performance obligation. The Company uses the practical expedient for recording an immediate expense for incremental costs of obtaining contracts, including certain design / engineering services, commissions, incentives and payroll taxes, as these incremental and recoverable costs have terms that do not exceed one year.
- 3. Inventories** Inventories are stated at the lower of cost or net realizable value, determined by the first-in, first-out (FIFO) method, and consist of the following: December 31, December 31, 2022 2021 Raw materials, net of reserve of \$ 1,777 and \$ 502, respectively \$ 1,671 \$ 1,583 Work-in-process 596 297 Total inventories \$ 2,267 \$ 1,880 During the year ended December 31, 2022, the Company increased its reserves for obsolete inventory by \$ 1,275, of which \$ 1,249 related to Safe Space Solutions. The Company is no longer actively promoting the sale of our Safe Space Solutions or purchasing inventory to support such solutions.
- 4. Impairment of Long-Lived Assets** We review the carrying value of all long-lived assets, including property and equipment, for impairment annually as of September 30 in accordance with ASC 360, Accounting for the Impairment or Disposal of Long-Lived Assets. Under ASC 360, impairment losses are recorded whenever events or changes in circumstances indicate the carrying value of an asset may not be recoverable. If the impairment tests indicate that the carrying value of the asset is greater than the expected undiscounted cash flows to be generated by such asset, an impairment loss would be recognized. The impairment loss is determined as the amount by which the carrying value of such asset exceeds its fair value. We generally measure fair value by considering sale prices for similar assets or by discounting estimated future cash flows from such assets using an appropriate discount rate. Assets to be disposed of are carried at the lower of their carrying value or fair value less costs to sell. Considerable management judgment is necessary to estimate the fair value of assets, and accordingly, actual results could vary significantly from such estimates.
- 5. Basic and Diluted Income / (Loss) per Common Share** Basic and diluted income / (loss) per common share for all periods presented is computed using the weighted average number of common shares outstanding. Basic weighted average shares outstanding includes only outstanding common shares. Diluted weighted average shares outstanding includes outstanding common shares and potential dilutive common shares outstanding in accordance with the treasury stock method. Shares reserved for outstanding stock options, including stock options with performance restricted vesting, and warrants totaling approximately 7,360, 271 and 2,324, 007 at December 31, 2022 and 2021, respectively were excluded from the computation of income / (loss) per share as the strike price on the options and warrants were higher than the Company’s market price and therefore anti-dilutive.
- 6. Income Taxes** Deferred income taxes are recognized in the financial statements for the tax consequences in future years of differences between the tax basis of assets and liabilities and their financial reporting amounts based on enacted tax laws and statutory tax rates. Temporary differences arise from net operating losses, differences in basis of intangibles, stock-based compensation, reserves for uncollectible accounts receivable and inventory, differences in depreciation methods, and accrued expenses. Valuation allowances are established when necessary to reduce deferred tax assets to the amount expected to be realized. The Company accounts for uncertain tax positions utilizing an established recognition threshold and measurement attributes for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. We had no uncertain tax positions as of December 31, 2022 and December 31, 2021.
- 7. Goodwill and Definite-Lived Intangible Assets** We follow the provisions of ASC 350,

Goodwill and Other Intangible Assets. Pursuant to ASC 350, goodwill acquired in a purchase business combination is not amortized, but instead tested for impairment at least annually. The Company uses an annual measurement date of September 30 to assess impairment of goodwill and indefinite-lived intangible assets, or as indicators are identified. Definite-lived intangible assets are amortized straight-line in accordance with their identified useful lives. 8. Use of Estimates The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Our significant estimates include: warrant liability valuation, contingent purchase consideration valuation, the allowance for doubtful accounts, valuation allowances related to deferred taxes, the fair value of acquired assets and liabilities, the fair value of liabilities reliant upon the appraised fair value of the Company, valuation of stock-based compensation awards and other assumptions and estimates used to evaluate the recoverability of long-lived assets, goodwill and other intangible assets and the related amortization methods and periods. Actual results could differ from those estimates. 9. Property and Equipment Property and equipment are carried at cost, less accumulated depreciation and amortization. Depreciation is provided for in amounts sufficient to relate the cost of depreciable assets to operations over the estimated service lives, principally using straight-line methods. Leasehold improvements are amortized over the shorter of the life of the improvement or the lease term, using the straight-line method. Property and equipment consist of the following at December 31, 2022 and 2021:

	December 31, 2022	2021
Equipment	\$ 138	\$ 89
Leasehold improvements	197	135
Furniture and fixtures	199	121
Other depreciable assets	124	56
Total property and equipment	658	401
Less: accumulated depreciation and amortization (457)	(326)	(201)
Net property and equipment	\$ 201	\$ 75

The estimated useful lives used to compute depreciation and amortization are as follows: Asset class Useful life assigned (in years) Equipment 3-5 Furniture and fixtures 5 Leasehold improvements Shorter of 5 years or term of lease Depreciation expense was \$ 131 and \$ 109 for the years ended December 31, 2022 and 2021, respectively. F-1210. Research and Development and Software Development Costs Research and development expenses consist primarily of development personnel and non-employee contractor costs related to the development of new products and services, enhancement of existing products and services, quality assurance and testing. The Company capitalizes its costs incurred for additional functionality to its internal software. We capitalized approximately \$ 4, 444 and \$ 1, 140 for the years ended December 31, 2022 and 2021, respectively. These software development costs include both enhancements and upgrades of our client-based systems including functionality of our internal information systems to aid in our productivity, profitability and customer relationship management. We are amortizing these costs over 3 years once the new projects are completed and placed in service. These costs are included in intangible assets, net on the Consolidated Balance Sheets. 11. Business Combinations Accounting for acquisitions requires us to recognize separately from goodwill the assets acquired and the liabilities assumed at their acquisition date fair values. Goodwill as of the acquisition date is measured as the excess of consideration transferred over the net acquisition date fair values of the assets acquired and the liabilities assumed. While we use our best estimates and assumptions to accurately value assets acquired and liabilities assumed at the acquisition date as well as contingent consideration, where applicable, our estimates are inherently uncertain and subject to refinement. As a result, during the measurement period, which may be up to one year from the acquisition date, we may record adjustments to the assets acquired and liabilities assumed with the corresponding offset to goodwill. Upon the conclusion of the measurement period or final determination of the values of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to our Consolidated Statements of Operations. 12. Contingent Consideration The Company has contingent consideration arrangements related to certain acquisitions to potentially pay additional cash amounts in future periods based on the lack of achievement of certain share price performance goals of our common stock. Such contingent consideration arrangements are recorded at fair value and are classified as liabilities on the acquisition date and are remeasured at each reporting period in accordance with ASC 805-30-35-1 using a Monte Carlo simulation model. NOTE 3: RECENTLY ISSUED ACCOUNTING PRONOUNCEMENTS Recently adopted On January 1, 2022, we early adopted Accounting Standards Update ("ASU") No. 2021-08, Business Combinations (Topic 805): Accounting for Contract Assets and Contract Liabilities from Contracts with Customers (ASU 2021-08), which clarifies that an acquirer of a business should recognize and measure contract assets and contract liabilities in a business combination in accordance with Accounting Standards Codification (ASC) Topic 606, Revenue from Contracts with Customers (Topic 606). The adoption of this new standard did not have a material impact on our Consolidated Financial Statements. In June 2016, the FASB issued ASU No. 2016-13, Financial Instruments - Credit Losses, which requires entities to estimate expected lifetime credit losses on financial assets and provide expanded disclosures. The main objective is to provide financial statement users with more decision-useful information about the expected credit losses on financial instruments and other commitments to extend credit held by a reporting entity at each reporting date. The amendments in this update replace the incurred loss methodology with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information to calculate credit loss estimates. For trade receivables and loans, entities will be required to estimate lifetime expected credit losses. We adopted ASU 2016-13 on January 1, 2023. The adoption of this new standard did not have a material impact on our Consolidated Financial Statements. Not yet adopted In August 2020, the FASB issued Accounting Standards Update No. 2020-06, Debt - Debt with Conversion and Other Options (Subtopic 470-20) and Derivatives and Hedging - Contracts in Entity's Own Equity (Subtopic 815-40): Accounting for Convertible Instruments and Contracts in an Entity's Own Equity (ASU 2020-06), which simplifies the accounting for convertible instruments by reducing the number of accounting models available for convertible debt instruments. This guidance also eliminates the treasury stock method to calculate diluted earnings per share for convertible instruments and requires the use of the if-converted method. This guidance will be effective for us in the first quarter of 2024 on a full or modified retrospective basis, with early adoption permitted. We are currently evaluating the disclosure requirements and potential impact on our Consolidated Financial Statements. F-13 NOTE 4: REVENUE RECOGNITION The Company applies ASC 606 for revenue recognition. The following table disaggregates the Company's revenue by major source for the years ended December 31, 2022 and 2021:

Year Ended	December 31, 2022	December 31, 2021
Hardware	\$ 19, 895	\$ 9, 450
Services: Installation Services	5, 693	2, 600
Software Development Services	556	791
Media Sales	1, 511	1, 375
License Revenue	1, 375	1, 375
Managed Services	14, 320	5, 596
Total Services	23, 455	8, 987
Total Hardware and Services	\$ 43, 350	\$ 18, 437

System hardware sales System hardware revenue is recognized generally upon shipment of the product or customer acceptance depending upon contractual arrangements with the customer in instances in which the sale of hardware is the sole performance obligation. Shipping charges billed to customers are included in hardware sales and the related shipping costs are included in hardware cost of sales. The cost of freight and shipping to the customer is recognized in cost of sales at the time of transfer of control to the customer. System hardware revenues are classified as "Hardware" within our disaggregated revenue. Installation services The Company performs outsourced installation services for customers and recognizes revenue upon completion of the installations. Installation services also includes engineering services performed as part of an installation project. When system hardware sales include installation services to be performed by the Company, the goods and services in the contract are not distinct, so the arrangement is accounted for as a single performance obligation. Our customers control the work-in-process and can make changes to the design specifications over the contract term. Revenues are recognized over time as the installation services are completed based on the relative portion of labor hours completed as a percentage of the budgeted hours for the installation. Installation services revenues are classified as "Installation Services" within our disaggregated revenue. Software design and development services Software and software license sales are revenue when a fixed fee order has been received and delivery has occurred to the customer. Revenue is recognized generally upon customer acceptance (point-in-time) of the software product and verification that it meets the required specifications. Software is delivered to customers electronically. Software design and development revenues are classified as "Software Development Services" within our disaggregated revenue. F-14 Software as a service license sales Software as a service includes revenue from software licensing and delivery in which software is licensed on a subscription basis and is centrally hosted by the Company. These services often include software updates which provide customers with rights to unspecified software product upgrades and maintenance releases and patches released during the term of the support period. Contracts for these services are generally 12-36 months in length. We account for revenue from these services in accordance with ASC 985-20-15-5 and recognize revenue ratably over the performance period. Software as a service revenue are classified as "Managed Services" within our disaggregated revenue. Software as a service perpetual license sales Perpetual license sales includes revenue from the sale of a perpetual license to customers that host their own instances of our software. These services traditionally are accompanied by the sale of maintenance and support services contracts. Perpetual license revenue is classified as "License Revenue" within our disaggregated revenue. Maintenance and support services The Company sells support services which include access to technical support personnel for software and hardware troubleshooting. The Company offers a hosting service through our network operations center, or NOC, allowing the ability to monitor and support its customers' networks 7 days a week, 24 hours a day. These contracts are generally 12-36 months in length. Revenue is recognized over the term of the agreement in proportion to the costs incurred in fulfilling performance obligations under the contract. Maintenance and Support revenues are classified as "Managed Services" within our disaggregated revenue. Maintenance and support fees are based on the level of service provided to end customers, which can range from monitoring the health of a customer's network to supporting a sophisticated web-portal to managing the end-to-end hardware and software of a digital marketing system. These agreements are renewable by the customer. Rates for maintenance and support, including subsequent renewal rates, are typically established based upon a fee-per-location, per device, or a specified percentage of net software license fees as set forth in the arrangement. These contracts are generally 12-36 months in length. Revenue is recognized ratably and evenly over the service period. The Company also performs time and materials-based maintenance and repair work for customers. Revenue

is recognized at a point in time when the performance obligation has been fully satisfied. Media revenues are derived from selling (i) sponsorship packages, including mobile takeover or physical presence, or (ii) advertising space to customers on digital displays or other outdoor structures, each within physical venues. We generally do not own the physical structures on which we display advertising for our customers but instead sell advertising or sponsorship opportunities on behalf of our media network owners to our brand customers. Media revenue services are recognized either on a straight-line basis over the available hours of advertising during the contracted period, or at the time of an event in the case of sponsorships. Our media revenue contracts with customers range from four weeks to three years and billing commences at the beginning of the contract term, with payment generally due within ninety (90) days of billing. For the majority of our contracts, transaction prices are explicitly stated. Any contracts with transaction prices that contain multiple performance obligations are allocated primarily based on a relative standalone selling price basis. Any deferred revenues primarily consist of revenues paid in advance of being earned. On a contract-by-contract basis, we evaluate whether we should be considered the principal (i. e., report revenues on a gross basis) or an agent (i. e., report revenues on a net basis). We are considered the principal in our arrangements and report revenues on a gross basis, wherein the amounts billed to customers are recorded as revenues and amounts paid to network owners are recorded as expenses. We are considered the principal because we control the advertising space before and after the contract term, are primarily responsible to our customers, and have discretion in pricing. For revenues generated through the use of a subcontracted advertising agency, commissions are calculated based on a stated percentage of gross advertising revenue and reported in the Consolidated Statement of Operations within Sales and Marketing expenses.

NOTE 5: FAIR VALUE MEASUREMENT We measure certain financial assets, including cash equivalents, at fair value on a recurring basis. In accordance with ASC 820-10-30, fair value is a market-based measurement that should be determined based on the assumptions that market participants would use in pricing an asset or liability. As a basis for considering such assumptions, ASC 820-10-35 establishes a three-level hierarchy that prioritizes the inputs used in measuring fair value. The three hierarchy levels are defined as follows: Level 1—Valuations based on unadjusted quoted prices in active markets for identical assets. Level 2—Valuations based on observable inputs (other than Level 1 prices), such as quoted prices for similar assets at the measurement date; quoted prices in markets that are not active; or other inputs that are observable, either directly or indirectly. Level 3—Valuations based on inputs that are unobservable and involve management judgment and the reporting entity's own assumptions about market participants and pricing. The Company previously recorded warrant liabilities that were measured at fair value on a recurring basis using a binomial option pricing model. The calculation of the fair value of the contingent consideration contains inputs which are unobservable and involve management judgment and are considered Level 3 estimates. Additionally, the separately identifiable intangible assets rely on a discounted cash flow model which utilizes inputs including the calculation of the weighted average cost of capital and management's forecast of future financial performance which are unobservable and involve management judgment and are considered Level 3 estimates. The calculation of the weighted average cost of capital and management's forecast of future financial performance utilized within our discounted cash flow model for the impairment of goodwill contains inputs which are unobservable and involve management judgment and are considered Level 3 estimates. The Convertible Loan is deemed to be a Level 3 valuation. Certain unobservable inputs into the calculation of the fair value of this liability include an estimate of the fair value of the Company at a future date using a discounted cash flow model, discount rate assumptions, and an estimation of the likelihood of conversion of the Convertible Loan. The Convertible Loan was refinanced into the Consolidation Term Loan in February 2022. The calculation of the fair value of the warrant liability contains valuation inputs which are based on observable inputs (other than Level 1 prices) and are considered Level 2 estimates. The liability warrants were converted to equity warrants effective June 30, 2022.

NOTE 6: SUPPLEMENTAL CASH FLOW STATEMENT INFORMATION Year Ended December 31, 2022-2021 Supplemental non-cash Investing and Financing activities Capitalized software in accounts payable \$ 556 \$- Property and equipment in accounts payable \$ 11 \$- Conversion of disbursed escrow loan into common stock \$- \$ 264 Increase in debt related to financing fees \$- \$ 200 Decrease in debt discount via amended Credit Agreement \$- \$ 133 Supplemental disclosure information for cash flow Cash paid during the period for: Interest \$ 1, 350 \$ 106 Income taxes, net \$ 43 \$ 32

NOTE 7: INTANGIBLE ASSETS AND GOODWILL Intangible assets consisted of the following at December 31, 2022 and December 31, 2021:

December 31, 2022	December 31, 2021
Gross Carrying Amount	Accumulated Amortization
Technology platform	\$ 9, 765
4, 354	\$ 4, 625
3, 652	Purchased and developed software
4, 682	3, 375
3, 488	2, 713
In-Process internally developed software platform	4, 074
824	Customer relationships
15, 000	2, 849
3, 960	1, 692
Trademarks and trade names	1, 600
808	640
640	None
Compete	30
13	Total amortizable intangible assets
35, 151	11, 399
13, 547	8, 697
Accumulated amortization	11, 399
8, 697	Net book value of amortizable intangible assets
\$ 23, 752	\$ 4, 850

For the years ended December 31, 2022 and 2021, amortization of intangible assets charged to operations was \$ 2, 702 and \$ 1, 251, respectively. For the year ended December 31, 2021, the Company wrote-off a \$ 380 fully amortized trade name asset and a \$ 1, 370 fully amortized customer list asset and the related accumulated amortization for each related to a former wholly owned subsidiary of the Company, ConeXus World Global, LLC, an entity dissolved by the Company during 2021. There was no impact on the Company's Consolidated Balance Sheet or Consolidated Statement of Operations during the period. On February 17, 2022, the Company acquired intangible assets as a result of the Merger in accordance with ASC 805 Business Combinations. Estimated amortization is as follows: Estimated Future Year ending December 31, Amortization 2023 \$ 3, 272 2024 \$ 3, 109 2025 \$ 2, 875 2026 \$ 2, 408 Thereafter 12, 088 Intangible assets include the following and are being amortized over their estimated useful lives as follows: Amortization Period: Acquired Intangible Asset: (years) Technology platform and patents 7-10 Purchased and developed software 3-5 Trade names 3-5 Customer relationships 3-15 Non-Compete 2 F-17 Goodwill represents the excess of the purchase price over the fair value of net assets acquired. Goodwill is subject to an impairment review at a reporting unit level, on an annual basis as of the end of September of each fiscal year, or when an event occurs, or circumstances change that would indicate potential impairment. The Company has only one reporting unit, and therefore the entire goodwill is allocated to that reporting unit. The Company assessed the carrying value of goodwill at the reporting unit level based on an estimate of the fair value of the respective reporting unit. Fair value of the reporting unit was estimated using a discounted cash flow analyses consisting of various assumptions, including expectations of future cash flows based on projections or forecasts derived from analysis of business prospects and economic or market trends that may occur, specifically, the Company gave significant consideration to actual historic financial results, including revenue growth rates in the preceding three years. Based on the Company's assessment, we determined that the fair value of our reporting unit exceeds its carrying value, and accordingly, the goodwill associated with the reporting unit was not considered to be impaired at September 30, 2022. At December 31, 2022, we concluded the decline in our market value represented an interim indicator of potential impairment. Based on a quantitative assessment of our fair value performed at December 31, 2022, using the same approach as our annual impairment performed at September 30, described above, we concluded that the carrying value of our goodwill did not exceed the reporting unit fair value. While our overall business performance has been consistent with our expectations, both before and after the acquisition of Reflect, we believe a significant portion of the decline in our market price relates primarily to several macroeconomic factors including: (1) market wide recessionary fears, (2) rapid inflation fears, which often have an outsized, direct negative impact on the share price of high-growth companies with limited or negative cash flow from operations, (3) a lack of comprehension by the markets of the recent Merger with Reflect and related financing transaction, and (4) the sale of over 2, 333, 334 shares of our common stock into the market by a new investor, resulting in significant negative volume and price pressure on the stock unrelated to the Company fundamentals. We do not believe these factors are consistent with or reflective of the underlying value of the business, and there were no other indicators of potential impairment as of December 31, 2022. Should our market price remain at this level for an extended period of time; however, there could be potential future impairment. The Company recognizes that any changes in our projected 2023 and future results could potentially have a material impact on our assessment of goodwill impairment. The Company will continue to monitor the actual performance of its operations against expectations and assess further indicators of possible impairment. The valuation of goodwill and intangible assets is subject to a high degree of judgment, uncertainty and complexity. Should any indicators of impairment occur in subsequent periods, the Company will be required to perform an analysis in order to determine whether goodwill is impaired.

NOTE 8: LOANS PAYABLE The outstanding debt with detachable warrants, as applicable, are shown in the table below. Further discussion of the notes follows. As of December 31, 2022 Issuance Maturity Interest Rate Debt Type Date Principal Date Warrants Information A 2/17/2022 \$ 10, 000 2/15/2025 8.33% 3.34% 8.0% interest (1) B 2/17/2022 1, 456 2/17/2024 0.59% interest (2) C 2/17/2022 7, 185 2/15/2025 8.98% 1.65% 10.0% interest (3) D 10/31/2022 2, 000 9/1/2023 12.5% interest (4) Total debt, gross 20, 641 1, 731, 499 Debt discount (3, 069) Total debt, net \$ 17, 572 Less current maturities (4, 499) Long term debt \$ 13, 073 As of December 31, 2021 Issuance Maturity Interest Rate Debt Type Date Principal Date Warrants Information E 8/17/2016 \$ 4, 767 2/17/2025 19.6% 0.79% 8.0% interest (5) F 12/30/2019 2, 418 2/17/2025 10.0% interest (5) Total debt, gross 7, 185 196, 079 Fair value (166) Total debt, gross 7, 019 Debt discount (144) Total debt, net \$ 6, 875 Less current maturities Long term debt \$ 6, 875 A Acquisition Term Loan with related party B Secured Promissory Note C Consolidation Term Loan with related party D Term Loan (2022) with related party E Senior Secured Term Loan with related party F Secured Convertible Special Loan Promissory Note, at fair value, with related party (1) 8.0% cash interest per annum through maturity at February 15, 2025 (2) 0.59% cash interest per annum (the applicable federal rate) through February 17, 2023. Annual interest rate on the outstanding principal increased from 0.59% to 4.60% per annum through maturity at February 17, 2024. (3) 10.0% cash interest per annum through maturity date at February 15, 2025. (4) 12.5% cash interest per annum through maturity at September 1, 2023. (5) Interest was paid-in-kind ("PIK") through October 2021, at which point interest became payable in cash at the stated interest rates through maturity. F-19 On February 17, 2022, in

connection with the closing of the Merger, the Company issued to RSI Exit Corporation (“Stockholders’ Representative”), the representative of Reflect stockholders, a \$2,500 Note and Security Agreement (the “Secured Promissory Note”). The Secured Promissory Note accrues interest at 0.59% per annum (the applicable federal rate on the date of issuance of the Secured Promissory Note) and requires the Company and Reflect to collectively pay equal monthly principal installments of \$104 on the fifteenth (15th) day of each month, commencing on March 15, 2022. Any remaining or unpaid principal shall be due and payable on February 17, 2023. All payments under the Secured Promissory Note will be paid to the escrow agent in the Merger Agreement to be placed into the escrow account to secure the Reflect stockholders’ indemnification obligations until released on February 17, 2023 (the one-year anniversary of the closing of the Merger); at which time any remaining proceeds not subject to a pending indemnification claim will be paid to the exchange agent for payment to the Reflect Stockholders. The Secured Promissory Note is secured by a first-lien security interest in certain contracts of Reflect, including obligations arising out of those certain contracts. The Company has the right to offset amounts payable under the Secured Promissory Note upon a final, non-appealable decision of a court that entitles the Company or its affiliates to any damages for indemnification under the Merger Agreement, or the Stockholders’ Representative’s agreement in writing to such damages. On February 11, 2023, the Company and the Stockholders’ Representative executed an amendment (the “Note Amendment”) to the Secured Promissory Note. The Note Amendment eliminates the balloon payment, extending the maturity date for a one-year period, to February 17, 2024. During the extended period, the Company will continue to make monthly principal payments of \$104, and the annual interest rate on the outstanding principal increased from 0.59% to 4.60%, which will accrue and is payable in full on the new maturity date. On February 17, 2022, the Company and its subsidiaries (collectively, the “Borrowers”) refinanced their debt facilities with Slipstream Communications, LLC (“Slipstream”), pursuant to a Second Amended and Restated Credit and Security Agreement (the “Credit Agreement”). The Borrowers include Reflect Systems, Inc. (“Reflect”), which became a wholly owned subsidiary of the Company as a result of the closing of the Merger on February 17, 2022. The debt facilities continue to be fully secured by all assets of the Borrowers. The Credit Agreement also provides that the Company’s outstanding loans from Slipstream at December 31, 2021, consisting of its pre-existing \$4,767 senior secured term loan and \$2,418 secured convertible loan, with an aggregate of \$7,185 in outstanding principal and accrued and unpaid interest under such loans, were consolidated into a term loan (the “Consolidation Term Loan”). The Consolidation Term Loan has an interest rate of 10.0%, with 75.0% warrant coverage (or 898,165 warrants). On the first day of each month, commencing March 1, 2022 through February 1, 2025, the Borrowers will make interest-only payments on the Consolidation Term Loan. Commencing on September 1, 2023, and on the first day of each month thereafter until the Maturity Date, the Borrowers will make a payment on the Consolidation Term Loan, in an equal monthly installment of principal sufficient to fully amortize the Consolidation Term Loan in eighteen equal installments. The Company assessed the combination of the pre-existing senior secured term loan and secured convertible loan in accordance with ASC 470 Debt and determined the transaction should be accounted for as an extinguishment, in part as the Consolidation Term Loan eliminated a substantive conversion feature. In aggregate the Company recorded a loss on extinguishment of \$295, primarily associated with the write-off of pre-existing debt discounts. In addition to refinancing the existing debt with Slipstream, the Company issued to Slipstream a \$10,000, 36-month senior secured term loan (the “Acquisition Term Loan”) resulting in \$10,000 in gross proceeds, or \$9,950 in net proceeds. The Acquisition Term Loan matures on February 17, 2025 (the “Maturity Date”) and has an interest rate of 8.0%, with 50.0% warrant coverage (or 833,334 warrants). On the first day of each month, commencing March 1, 2022 through February 1, 2025, the Borrowers will make interest-only payments on the Acquisition Term Loan. No principal payments on the Acquisition Term Loan are payable until the Maturity Date. F-20 In connection with the Acquisition Term Loan and Consolidation Term Loan warrant coverage, the Company issued to Slipstream a warrant to purchase an aggregate of 1,731,499 shares of Company common stock (the “Lender Warrant”). The Lender Warrant has a five-year term, an initial exercise price of \$6.00 per share, subject to adjustments in the Lender Warrant, and is not exercisable until August 17, 2022. The warrants were assessed in accordance with ASC 470 and ASC 815 Derivatives and were deemed to represent bifurcated derivative instruments that should be recorded as liabilities in the Condensed Consolidated Balance Sheets. The Company performed a Black-Scholes valuation of the warrants as of the issuance date, resulting in a fair value of \$2,438.7 per warrant. In recording the warrant liability, the Company recorded a debt discount associated with each of the Acquisition and Consolidation Term Loans in an amount of \$2,032 and \$2,190, respectively. These amounts are being amortized straight-line through interest expense over the life of the loans, resulting in incremental interest expense of \$1,267 during the year ended December 31, 2022. The Company has deemed straight-line amortization to be materially consistent with the effective interest method. In certain circumstances, upon a fundamental transaction of the Company (e.g., a disposal or sale of all or the greater part of the assets or undertaking of the Company, an amalgamation or merger with another company, or implementation of a scheme of arrangement), the holder of the Lender Warrant will have the right to require the Company to repurchase the Lender Warrant at its fair value using a Black-Scholes option pricing formula; provided that such holder may not require the Company or its successor entity to repurchase the Lender Warrant for the Black-Scholes value in connection with a fundamental transaction that is not approved by the Company’s Board of Directors, and therefore not within the Company’s control. Effective June 30, 2022, the Company amended the terms of the Lender Warrant to remove the holder’s option to exercise such warrant on a cashless basis utilizing the volume-weighted average price (“VWAP”) of the Company’s common stock on the trading day immediately preceding the date of a notice of cashless exercise in certain circumstances, and remove the condition to exercising such warrant that the Company’s shareholders approve the exercise thereof (which has already been obtained). The amendments to the Lender Warrant also extend the term of such warrants for an additional one year, such that the Lender Warrant will expire on February 17, 2028. The foregoing amendments to the Lender Warrant caused such warrants to be accounted for as equity instruments in the Company’s Consolidated Financial Statements. On October 31, 2022, the Borrowers and Slipstream amended the Credit Agreement to provide the Borrowers with a \$2,000 term loan (“Term Loan (2022)”), the net proceeds of which are being used by the Company to accelerate an active software development project with potential to expand SaaS revenues associated with an existing customer. The term loan has an annual interest rate of 12.5% and matures on September 1, 2023. Commencing on February 1, 2023, the Borrowers will make monthly installment payments of approximately \$270 until the maturity date, consisting of principal and interest sufficient to fully amortize the term loan through the maturity date. Loan and Security Agreement History Prior to the execution of the Credit Agreement, Borrower and Slipstream were parties to a Loan and Security Agreement. On March 7, 2021, On February 28, 2021, January 31, 2021, December 31, 2020, November 30, 2020, and September 29, 2020, the parties entered into several amendments to the Loan and Security Agreement to amend the automatic conversion date of the Special Loan and, later, to eliminate the conversion feature. Each amendment extended the automatic conversion date of the Special Loan. The Company paid no fees in exchange for these extensions, with the exception of the March 7, 2021 extension which resulted in the Company recording of \$133 of incremental debt discount, a net gain of \$26 via the extinguishment of the Special Loan, and expense of \$69 of costs incurred with third parties as a result of extinguishment of the Special Loan, modification of the New Term Loan, and extinguishment of the Disbursed Escrow Loan. F-21 Secured Disbursed Escrow Promissory Note The Fourth Amendment to the Loan and Security Agreement included entry into a Secured Disbursed Escrow Promissory Note between the Company and Slipstream, and, effective June 30, 2018, we drew \$264 in conjunction with our exit from a previously leased operating facility. The principal amount of the Secured Disbursed Escrow Promissory Note bears no interest. Upon entry into the Prior Credit Agreement on March 7, 2021, this note was converted into Disbursed Escrow Conversion Shares, with elimination of the debt recorded as an equity issuance within the Statements of Shareholders’ Equity. SBA Paycheck Protection Program Loan On April 27, 2020, the Company entered into a Promissory Note with Old National Bank (the “Promissory Note”), which provided for an unsecured loan of \$1,552 (the “PPP Loan”) pursuant to the Paycheck Protection Program under the Coronavirus Aid, Relief, and Economic Security Act and applicable regulations (the “CARES Act”). The Promissory Note had a term of two years with a 1% per annum interest rate. On January 11, 2021, the Company received a notice from Old National Bank that the full principal amount of the PPP Loan and the accrued interest have been forgiven, resulting in a gain of \$1,552 during the year ended December 31, 2021. Amended and Restated Seller Note from acquisition of Allure The Amended and Restated Seller Note represented a note payable due from Allure to Seller, under a pre-existing Seller Note which was amended and restated to a reduced amount of \$1,637 through the Stock Purchase Agreement and a subsequent net working capital adjustment. That debt accrued interest at 3.5% per annum, and required us to make quarterly payments of interest only through February 19, 2020, on which date the promissory note matured and all remaining amounts owing thereunder became due. On February 20, 2020, Creative Realities, Inc. and Allure made a demand for arbitration against Seller for (1) breach of contract, (2) indemnification, and (3) fraudulent misrepresentation under the Allure Purchase Agreement. On May 13, 2021, the Company and Seller entered into a settlement agreement wherein neither party admitted liability, and the Company agreed to pay, and Seller agreed to accept, \$100 as settlement in full for the outstanding balance of principal and accrued interest under the Amended and Restated Seller Note and a mutual release of all claims related to the Amended and Restated Seller Note and sale transaction under the Allure Purchase Agreement and all related agreements. As a result of this settlement, the full principal amount of the Seller Note and the accrued interest were eliminated, resulting in a gain in the Consolidated Financial Statements of \$1,624, representing \$1,538 related to the Seller Note and \$86 of related interest thereon, during 2021. F-22 NOTE 9: COMMITMENTS AND CONTINGENCIES Litigation On August 2, 2019, the Company filed suit in Jefferson Circuit Court, Kentucky, against a supplier of the Company’s wholly owned subsidiary, Allure Global Solutions, Inc. (“Allure”) for breach of contract, breach of warranty, and negligence with respect to equipment installations performed by such supplier for an Allure customer. On October 10, 2019, the Allure customer that is the basis of our claim above sent a demand to the Company for payment of \$3,200 as

settlement for an alleged breach of contract related to hardware failures of equipment installations performed by Allure between November 2017 and August 2018. On March 10, 2023, the Company, the supplier and the Allure customer reached a Settlement Agreement and Release of Claims ("Settlement Agreement"). Pursuant to the Settlement Agreement, the Company is obligated to pay \$ 733; however, its insurer has agreed to pay \$ 700 of that amount. Thus, the Company is obligated to pay \$ 33 of the settlement amount. On February 20, 2020, Creative Realities, Inc. and Allure made a demand for arbitration against Seller for (1) breach of contract, (2) indemnification, and (3) fraudulent misrepresentation under the Allure Purchase Agreement. This demand included a claim for the right to offset the amounts owing under the Amended and Restated Seller Note due February 20, 2020. The Company did not pay the Amended and Restated Seller Note on its maturity date. On February 27, 2020, Seller sent the Company a notice of breach for failure to pay the Amended and Restated Seller Note on the maturity date of February 20, 2020 and demanding immediate payment. On September 11, 2020, the Company served a First Amended Demand in the arbitration with Seller, and on November 5, 2020, Seller pre-served a Motion for Summary Disposition in the arbitration demanding payment of the Amended and Restated Seller Note and accrued interest. On May 13, 2021, the Company and Seller entered into a settlement agreement wherein neither party admitted liability, and the Company agreed to pay, and Seller agreed to accept, \$ 100 as settlement in full for the outstanding balance of principal and accrued interest under the Amended and Restated Seller Note and a mutual release of all claims related to the Amended and Restated Seller Note and sale transaction under the Allure Purchase Agreement and all related agreements. The Company recorded a gain on settlement of obligations of \$ 1, 624 during 2021 upon settlement. Except as noted above, the Company is not party to any other material legal proceedings, other than ordinary routine litigation incidental to the business, and there were no other such proceedings pending during the period covered by this Annual Report. Settlement of obligations There were no individually material settlements during the year ended December 31, 2022. During 2021, (i) the full principal amount of the PPP Loan and the accrued interest of \$ 1, 552 were forgiven and recorded as a gain on settlement, (ii) the Company settled the Amended and Restated Seller Note and related accrued interest for \$ 100, recording a gain on settlement of \$ 1, 624, representing \$ 1, 538 related to the Amended and Restated Seller Note and \$ 86 of related interest thereon, and (iii) the statute of limitations passed related to the remaining liability on a lease abandoned by the Company in 2015, resulting in a gain of \$ 256. During the year ended December 31, 2021, the Company settled and / or wrote off obligations of \$ 348 for aggregate cash payments of \$ 139 and recognized a gain of \$ 209 related to legacy accounts payable deemed to no longer be legal obligations to vendors. F-23NOTE 10- BUSINESS COMBINATION On November 12, 2021, the Company and Reflect Systems, Inc., or "Reflect," entered into an Agreement and Plan of Merger (as amended on February 8, 2022 and February 11, 2023, the "Merger Agreement") pursuant to which a direct, wholly owned subsidiary of Creative Realities, CRI Acquisition Corporation, or "Merger Sub," would merge with and into Reflect, with Reflect surviving the merger and becoming our wholly owned subsidiary, which transaction is referred to herein as the "Merger." On February 17, 2022, the parties consummated the Merger. Reflect provides digital signage solutions, including software, strategic and media services to a wide range of companies across the retail, financial, hospitality and entertainment, healthcare, and employee communications industries in North America. Reflect offers digital signage platforms, including ReflectView, a platform used by companies to power hundreds of thousands of active digital displays. Through its strategic services, Reflect assists its customers with designing, deploying and optimizing their digital signage networks, and through its media services, Reflect assists customers with monetizing their digital advertising networks. Subject to the terms and conditions of the Merger Agreement, upon the closing of the Merger, Reflect stockholders as of the effective time of the Merger collectively received from the Company, in the aggregate, the following Merger consideration: (i) \$ 16, 166 in cash, (ii) 777, 778 shares of common stock of Creative Realities (valued based on an issuance price of \$ 6 per share) (the "CREX Shares"), (iii) the Secured Promissory Note (as described below), and (iv) supplemental cash payments (the "Guaranteed Consideration"), if any, payable on or after February 17, 2025 (subject to the Extension Option described below, the "Guarantee Date"), in an amount by which the value of the CREX Shares on such anniversary is less than \$ 19. 20 per share, or if certain customers of Reflect collectively achieve over 85, 000 billable devices online at any time on or before December 31, 2022, is less than \$ 21. 60 per share (such applicable amount, the "Guaranteed Price"), multiplied by the amount of CREX Shares held by the Reflect stockholders on the Guarantee Date (subject to the Extension Option described below). At or before December 31, 2022, the condition of certain customers of Reflect collectively to achieve over 85, 000 billable devices online was not met. Accordingly, the contingent cash payment amount was reduced at December 31, 2022 from \$ 21. 60 per share to \$ 19. 20 per share, a reduction of \$ 2. 40 per share. The Company may exercise an extension option (the "Extension Option") to extend the Guarantee Date by six (6) months, from February 17, 2025 to August 17, 2025, if (i) the Extension Threshold Price is greater than or equal to 70 % of the Guaranteed Price described above, and (ii) the Company provides written notice of its election to exercise the Extension Option no later than February 7, 2025. The "Extension Threshold Price" means the average closing price per share of Creative Realities common stock as reported on the Nasdaq Capital Market (or NYSE) in the fifteen (15) consecutive trading day period ending February 2, 2025. If the Extension Threshold Price is less than 80 % of the Guaranteed Price, then the Guaranteed Price will be increased by \$ 3. 00 per share. In connection with the Merger, the Company adopted a Retention Bonus Plan and raised capital to, among other things, pay the cash portion of the Merger consideration. The Retention Bonus Plan is described below. On February 17, 2022, in connection with the closing of the Merger (the "Closing"), the Company adopted a Retention Bonus Plan, pursuant to which the Company is required to pay to key members of Reflect's management team an aggregate of \$ 1, 334 in cash, which was paid 50 % at the Closing, and subject to continuous employment with Reflect or Creative Realities, 25 % will be paid on February 17, 2023 (the one-year anniversary of Closing) and 25 % will be paid on February 17, 2024 (the two-year anniversary of the Closing). The future cash payments due on the one-year and two-year anniversaries of the Closing have been deposited into an escrow agreement. The Retention Bonus Plan also requires the Company to issue Common Stock having an aggregate value of \$ 667 to the plan participants as follows: 50 % of the value of such shares were issued at the Closing, and subject to continuous employment with Reflect or Creative Realities, 25 % of the value of such shares will be issued on February 17, 2023 (the one-year anniversary of Closing) and the remaining 25 % of the value of such shares will be issued on February 17, 2024 (the two-year anniversary of the Closing). The shares issued on the Closing were valued at \$ 6. 00 per share, and the shares to be issued after the Closing will be determined based on dividing the value of shares issuable on such date divided by the trailing 10-day volume weighted average price (VWAP) of the shares as of such date as reported on the Nasdaq Capital Market. Upon the resignation of a participant's employment for "good reason," or termination of the employment of a participant without "cause," each as defined in the Retention Bonus Plan, the participant will be fully vested and will receive all cash and shares allocated to such participant under the Retention Bonus Plan. Any amounts unpaid by reason of a lapse in continuous employment or otherwise will be reallocated among the remaining Retention Bonus Plan participants. F-24Purchase price The preliminary purchase price of Reflect consisted of the following items: (in thousands) Consideration Cash consideration for Reflect stock (1) \$ 16, 664 Cash consideration for Retention Bonus Plan (2) 1, 334 Common stock issued to Reflect shareholders (3) 4, 667 Common stock issued to Retention Bonus Plan (4) 333 Secured Promissory Note (5) 2, 500 Earnout liability (6) 10, 862 Total consideration 26, 360 Vendor deposit with the Company (7) (818) Cash acquired (8) (812) Net consideration transferred \$ 34, 730 (1) Cash consideration for outstanding shares of Reflect capital stock per Merger Agreement. (2) Cash consideration utilized to fund the Retention Bonus Plan per Merger Agreement. (3) Company common stock issued in exchange for outstanding shares of Reflect capital stock per Merger Agreement. (4) Company common stock issued to fund the Retention Bonus Plan per Merger Agreement (5) The Secured Promissory Note accrues interest at 0- 59 % (the applicable federal rate at the time of issuance of the Secured Promissory Note) and requires the Company and Reflect to collectively pay equal monthly principal installments of \$ 104 on the fifteenth (15th) day of each month, commencing on March 15, 2022. Any remaining or unpaid principal shall be due and payable on February 17, 2023. (6) Represents an estimate of the fair value of the Guaranteed Consideration as of the Merger, which, if any, is payable on or after February 17, 2025 (subject to the Extension Option), in an amount by which the value of the CREX Shares on such anniversary is less than \$ 19. 20 per share, or if certain customers of Reflect collectively achieve over 85, 000 billable devices online at any time on or before December 31, 2022, is less than \$ 21. 60 per share (such applicable amount, the "Guaranteed Price"), multiplied by the amount of CREX Shares held by the Reflect stockholders on the Guarantee Date (subject to the Extension Option), subject to the terms of the Merger Agreement. At September 30, 2022, the Company's third-party specialist completed valuation of this contingent liability as of the opening balance sheet date, resulting in a measurement period adjustment recorded to increase goodwill and the contingent liability as of February 17, 2022 by \$ 5, 262. (7) Prior to the Merger, Reflect had engaged the Company on a project and paid the Company a deposit of \$ 818. These amounts reduced consideration paid by the Company in accordance with ASC 805. (8) Represents the Reflect cash balance acquired at Closing. The Company incurred \$ 444 of direct transaction costs related to the Reflect Merger for the year ended December 31, 2022. These costs are included in deal and transaction expense in the accompanying Consolidated Statements of Operations. F-25The Company accounted for the Merger using the acquisition method of accounting. The preliminary allocation of the purchase price is based on estimates of the fair value of assets acquired and liabilities assumed as of February 17, 2022. The Company is continuing to obtain information to determine the acquired assets and liabilities, including tax assets, liabilities and other attributes. The components of the preliminary purchase price allocation, inclusive of measurement period adjustments recorded by the Company during the year ended December 31, 2022, are as follows: (in thousands) Total Accounts receivable \$ 1, 359 Inventory 190 Prepaid expenses & other current assets 666 Property and equipment 96 Operating right of use assets 493 Other assets 36 Identified intangible assets: Definite-lived trade names 960 Definite-lived developed technology 5, 130 Definite-lived customer relationships 11, 040 Definite-lived noncompete agreements 30 Goodwill 18, 935 Accounts payable (104) Accrued expenses (483) Customer deposits (1, 661) Deferred revenues (1, 259) Current maturities of operating leases (277) Long-

term obligations under operating leases (216) Other liabilities (205) Net consideration transferred \$ 34, 730 The Company engaged a third-party valuation specialist to assist in the identification and calculation of the fair value of those separately identifiable intangible assets. The Company completed its valuation procedures by asset utilizing the following approaches: (1) Customer relationship asset was estimated using the income approach through a discounted cash flow analysis wherein the cash flows will be based on estimates used to price the Merger. Discount rates were benchmarked with reference to the implied rate of return from the Company's pricing model and the weighted average cost of capital. (2) Trade name asset represents the "Reflect" brand name as marketed primarily as a full services digital software solution, marketed in numerous verticals with the exception of food service. The Company applied the income approach through an excess earnings analysis to determine the fair value of the trade name asset. The Company applied the income approach through a relief from royalty analysis to determine the fair value of this asset. (3) The developed technology assets are primarily comprised of know-how and functionality embedded in Reflect's proprietary content management applications, which drive currently marketed products and services. The Company applied the income approach through a relief from royalty analysis to determine the preliminary fair value of this asset. F-26 The Company is amortizing the identifiable intangible assets on a straight-line basis over the weighted average lives ranging from 2 to 10 years as outlined in the table below. The table below sets forth the valuation and amortization period of identifiable intangible assets: Amortization (in thousands) Valuation Period Identifiable definite-lived intangible assets: Trade names \$ 960 5 years Developed technology 5, 130 10 years Noncompete 30 2 years Customer relationships 11, 040 10 years Total \$ 17, 160 The Company estimated the preliminary fair value of the acquired property, plant and equipment using a combination of the cost and market approaches, depending on the component. The preliminary fair value of such property, plant and equipment is \$ 96. The excess of the purchase price over the preliminary estimated fair value of the tangible net assets and identifiable intangible assets acquired was recorded as goodwill and is subject to change upon final valuation. The factors contributing to the recognition of the amount of goodwill are based on several strategic and synergistic benefits that are expected to be realized from the Merger. These benefits include a comprehensive portfolio of iconic customer brands, complementary product offerings, enhanced national footprint, and attractive synergy opportunities and value creation. None of the goodwill is expected to be deductible for income tax purposes. The following unaudited pro forma information presents the combined financial results for the Company and Reflect as if the Merger had been completed at the beginning of the Company's prior year, January 1, 2021. (in thousands, except earnings per common share) 2021 Net sales \$ 30, 680 Net income \$ 799 Earnings per common share \$ 0. 06 The information above does not include the pro forma adjustments that would be required under Regulation S-X for pro forma financial information and does not reflect future events that may occur after December 31, 2021 or any operating efficiencies or inefficiencies that may result from the Merger and related financings. Therefore, the information is not necessarily indicative of results that would have been achieved had the businesses been combined during the periods presented or the results that the Company will experience going forward. We have not included disaggregated information for Reflect on a standalone basis in the current year for either revenue or net income as the integration activities undertaken by the Company have prevented this information from being useful to financial statement readers. Year Ended December 31, Reflect Systems, Inc. (in thousands) 2021 Net sales \$ 12, 243 Net (loss) income \$ 567 F-27 NOTE 11: INCOME TAXES Income tax expense consisted of the following: Year ended December 31, 2022 2021 Tax provision summary: State income tax \$ (51) \$ (22) Deferred tax expense—federal (30) Deferred tax benefit—state 2 Tax expense \$ (79) \$ (22) The income tax expense includes federal and state income taxes currently payable and those deferred or prepaid because of temporary differences between financial statement and tax bases of assets and liabilities. The Company records income taxes under the liability method. Under this method, deferred income taxes are recognized for the estimated future tax effects of differences between the tax bases of assets and liabilities and their financial reporting amounts based on enacted tax laws. A reconciliation of the statutory income tax rate to the effective income tax rates as a percentage of income before income taxes is as follows: 2022 2021 Federal statutory rate 21. 00 % 21. 00 % State taxes, net of federal benefit (2. 02) % 5. 21 % Foreign rate differential (2. 51) % (26. 47) % PPP Loan Forgiveness (128. 43) % Fair value of Warrant Liability / Contingent Consideration (79. 66) % 0. 00 % Discrete items, Transaction items, and Other (2. 37) % 21. 92 % Changes in valuation allowance 69. 60 % 115. 43 % Effective tax rate 4. 04 % 8. 66 % F-28 The net deferred tax assets and liabilities recognized in the accompanying Consolidated Balance Sheets, determined using the income tax rate applicable to each period, consist of the following: December 31, 2022 2021 Deferred tax assets (liabilities): Reserves \$ 472 \$ 267 Property and equipment 165 (2) Accrued expenses 593 106 Right-of-use Asset (253) (91) Right-of-use Liability 253 91 IRC 163 (j) Interest Deduction 18 18 Debt issuance costs 286 Non-qualified stock options 1, 469 1, 074 IRC Section 174 196 R & D credits 2, 312 1, 801 Net foreign carryforwards 3, 664 3, 485 US net operating loss and credit carryforwards 37, 953 35, 448 Intangibles (3, 737) (11) Total deferred tax liabilities, net 42, 391 42, 186 Valuation allowance (43, 419) (42, 186) Net deferred tax liabilities \$ (28) \$ — As of December 31, 2022, the Company had no reserves recorded as a liability for unrecognized tax benefits for U. S. federal and state tax jurisdictions. There were no unrecognized tax benefits as of December 31, 2022 that, if recognized, would affect the tax rate. It is the Company's policy to accrue interest and penalties related to liabilities for income tax contingencies in the provision for income taxes. As of December 31, 2022, the Company had no accrued interest or penalties related to uncertain tax positions. Our deferred tax assets are primarily related to net federal and state operating loss carryforwards (NOLs). As of December 31, 2022, the Company has federal and state net operating loss carryforwards expiring between 2023 and 2037, \$ 10, 651 of which has an indefinite carryforward period. The federal statute of limitations remains open for tax years 2019 through 2021 and state tax jurisdictions generally have statutes of limitations open for tax years 2018 through 2021. We have substantial NOLs that are limited in usage by IRC Section 382. IRC Section 382 generally imposes an annual limitation on the amount of NOLs that may be used to offset taxable income when a corporation has undergone significant changes in stock ownership within a statutory testing period. We have performed a preliminary analysis of the annual NOL carryforwards and limitations that are available to be used against taxable income. Based on the history of losses of the Company, there continues to be a full valuation allowance against the net deferred tax assets of the Company. F-29 NOTE 12: WARRANTS A summary of outstanding warrants for the years ended December 31, 2022 and 2021 is included below: Year Ended December 31, 2022 Warrants (Equity) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2022 1, 367, 737 \$ 13. 44 1. 73 Warrants issued 1, 950, 502 4. 60 5. 00 Warrants exercised (1, 950, 502) 4. 60 4. 86 Warrants expired (130, 712) 10. 44 Warrants reclassified 4, 587, 002 4. 90 4. 73 Balance December 31, 2022 5, 824, 027 \$ 6. 56 3. 91 Year Ended December 31, 2021 Warrants (Liability) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2021 \$ — Warrants issued 4, 587, 002 4. 90 5. 00 Warrants reclassified (4, 587, 002) (4. 90) (5. 00) Balance December 31, 2021 \$ — Year Ended December 31, 2021 Warrants (Equity) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2021 1, 475, 633 \$ 13. 86 2. 83 Warrants issued — Warrants expired (107, 896) 14. 07 Balance December 31, 2021 1, 367, 737 \$ 13. 44 1. 73 F-30 On February 3, 2022, the Company entered into a Securities Purchase Agreement with a purchaser (the "Purchaser"), pursuant to which the Company agreed to issue and sell to the Purchaser, in a private placement priced at the market under Nasdaq rules, (i) 438, 334 shares (the "Shares") of the Company's common stock, par value \$ 0. 01 per share (the "Common Stock") and accompanying warrants to purchase an aggregate of 438, 334 shares of Common Stock, and (ii) pre-funded warrants to purchase up to an aggregate of 1, 950, 502 shares of Common Stock (the "Pre-Funded Warrants") and accompanying warrants to purchase an aggregate of 1, 950, 502 shares of Common Stock (collectively, the "Private Placement"). The accompanying warrants to purchase Common Stock are referred to herein collectively as the "Common Stock Warrants." Under the Securities Purchase Agreement, each Share and accompanying warrants to purchase Common Stock were sold together at a combined price of \$ 4. 605, and each Pre-Funded Warrant and accompanying warrants to purchase Common Stock were sold together at a combined price of \$ 4. 6047, for gross proceeds of approximately \$ 11, 000, before deducting placement agent fees and estimated offering expenses payable by the Company. In the first quarter of 2022, each of the Pre-Funded Warrants were exercised. The Common Stock Warrants expire five years from the date of issuance. The Company evaluated the Pre-Funded Warrants and concluded that they met the criteria to be classified within stockholders' equity, with proceeds recorded as common stock and additional paid-in capital. The Company evaluated the Common Stock Warrant and concluded they did not meet the criteria to be classified within stockholders' equity. The Common Stock Warrant included provisions which could result in a different settlement value for the Common Stock Warrant depending on the registration status of the underlying shares. Because these conditions were not an input into the pricing of a fixed-for-fixed option on the Company's ordinary shares, the Common Stock Warrant was not considered to be indexed to the Company's own stock. The Company recorded these warrants as liabilities on the Consolidated Balance Sheets at fair value, with subsequent changes in their respective fair values recognized in the Consolidated Statements of Operations at each reporting date. At the date of issuance, the Company performed a Black-Scholes valuation of the warrants, resulting in a fair value of \$ 3. 2781 per warrant. The Company recorded a gain on the fair value of these warrants of \$ 4, 951 in the Consolidated Statements of Operations for the year ended December 31, 2022, which reflects the change in fair value from granting of the warrants through June 30, 2022, the effective date of the warrant agreement amendment. On February 17, 2022, in connection with the Credit Agreement with Slipstream, the Company issued to Slipstream 1, 731, 499 warrants with an exercise price of \$ 6. 00 per share, which expire five years from the date of issuance (the "Lender Warrant"). These warrants are not exercisable until 180 days after the issuance date. The common shares underlying these warrants have not yet been registered for resale under the Securities Act of 1933, which provides Slipstream with an option for cashless exercise once the warrant becomes exercisable until such time as such registration occurs. The Lender Warrant expired five years from the date of issuance. The Company evaluated the Lender Warrant and concluded that it did not meet the criteria to be classified within stockholders' equity. The Lender Warrant included provisions that could result in a different settlement value

for the Lender Warrant depending on the registration status of the underlying shares. Because these conditions were not an input into the pricing of a fixed-for-fixed option on the Company's ordinary shares, the Lender Warrant was not considered to be indexed to the Company's own stock. The Company recorded these warrants as liabilities in the Consolidated Balance Sheets at fair value, with subsequent changes in their respective fair values recognized in the Consolidated Statements of Operations at each reporting date. At the date of issuance, the Company performed a Black-Scholes valuation of the warrants, resulting in a fair value of \$ 2.4387 per warrant. In recording the warrant liability, the Company recorded an increase in debt discount in the Consolidated Balance Sheets associated with the issuance of the warrants of \$ 4,223, which is being amortized through interest expense in the Consolidated Statements of Operations over the life of the Acquisition Term Loan and Consolidation Term Loan. The Company recorded a gain on the fair value of these warrants of \$ 2,302 in the Consolidated Statements of Operations for the year ended December 31, 2022, which reflects the change in fair value from granting of the warrants through June 30, 2022, the effective date of the warrant agreement amendment. F-31 On February 17, 2022, in connection with obtaining a waiver of certain restrictions in investment documents between an investor and the Company in order to consummate the financing contemplated by the Credit Agreement, the Company paid consideration to such investor in the form of a warrant (the "Purchaser Warrant") to purchase 466,667 shares of Company common stock in an at-the-market offering under Nasdaq rules. The number of shares of Company common stock subject to the Purchaser Warrant is equal to the waiver fee (\$ 175) divided by \$ 0.375 per share. The exercise price of the Purchaser Warrant is \$ 4.23 per share, and the Purchaser Warrant is not exercisable until August 17, 2022. The Purchaser Warrant expired five years from the date of issuance. The Company evaluated the Purchaser Warrant and concluded that it did not meet the criteria to be classified within stockholders' equity. The Purchaser Warrant included provisions which could result in a different settlement value for the Purchaser Warrant depending on the registration status of the underlying shares. Because these conditions were not an input into the pricing of a fixed-for-fixed option on the Company's ordinary shares, the Purchaser Warrant was not considered to be indexed to the Company's own stock. The Company recorded these warrants as liabilities on the Consolidated Balance Sheets at fair value, with subsequent changes in their respective fair values recognized in the Consolidated Statements of Operations at each reporting date. At the date of issuance, the Company performed a Black-Scholes valuation of the Purchaser Warrant, resulting in a fair value of \$ 2.5968 per warrant. In recording the warrant liability, the Company recorded an expense in the Consolidated Statements of Operations associated with the issuance of the Purchaser Warrant of \$ 1,212. The Company recorded a gain on the fair value of the Purchaser Warrant of \$ 649 in the Consolidated Statements of Operations for the year ended December 31, 2022, which reflects the change in fair value from granting of the warrants through June 30, 2022, the effective date of the warrant agreement amendment. Effective June 30, 2022, the Company amended the terms of the Common Stock Warrant (2,388,836 warrants), Lender Warrant (1,731,499 warrants) and Purchaser Warrant (466,667 warrants). The amendments to such warrants removes the holder's option to determine the value of such warrants utilizing the volume weighted average price ("VWAP") of the Company's common stock on the trading day immediately preceding the date of a notice in a cashless exercise, and removes the condition to exercising such warrants that the Company's shareholders approve the exercise thereof (which has already been obtained). The amendments to the warrants also extend the term of such warrants for an additional one year, such that the Common Stock Warrant will expire on February 3, 2028, and the Lender Warrant and Purchaser Warrant will expire on February 17, 2028. As a result of the extension in term provided in exchange for the amendment, the Company reassessed the fair value of each of the Common Stock, Lender and Purchaser Warrants, resulting in the Company recording a loss on the fair value of these warrants of \$ 345 in the Consolidated Statements of Operations for the year ended December 31, 2022. The foregoing amendments to the warrants resulted in such warrants to be accounted for as equity instruments in the Company's Consolidated Financial Statements. As such, following recording the gains and losses with respect to these warrant amendments, the Company reclassified the warrant liability of \$ 5,709 from noncurrent liabilities to additional paid-in capital. These amounts are reflected as additional paid-in capital in the Consolidated Balance Sheet as of December 31, 2022. As of December 31, 2022, there remained outstanding 68,508 warrants which contain weighted average anti-dilution protection. During 2022, those warrants were subject to a downward adjustment in their strike price following completion of the Company's issuance of common stock or common stock equivalents in (1) the Private Placement, (2) the Credit Agreement, and (3) the Waiver, each in February 2022. The strike prices prior to adjustment ranged from \$ 16.83 to \$ 17.31 and were adjusted to between \$ 10.23 and \$ 10.44, resulting in the Company recording an increase in additional paid-in capital of \$ 31 in the Consolidated Statements of Shareholders' Equity for the year ended December 31, 2022. The remaining weighted average exercise price and weighted average contractual life of warrants subject to weighted average anti-dilution protection is \$ 10.41 and 0.24 years, respectively, as of December 31, 2022. As of December 31, 2021, there remained outstanding 307,123 warrants which contain weighted average anti-dilution protection. During 2020, those warrants were subject to a downward adjustment in their strike price following completion of the Company's issuance of common stock via at-the-market offering activities. The strike prices prior to adjustment ranged from \$ 18.27 to \$ 18.75 and were adjusted to between \$ 17.40 and \$ 17.88. The remaining weighted average contractual life of warrants subject to weighted average anti-dilution protection is 1.71 years as of December 31, 2021. F-32 NOTE 13: STOCK-BASED COMPENSATION A summary of outstanding options as of December 31, 2022 is included below: Time Vesting Options

Weighted Average Remaining Life	Weighted Average Exercise Price	Range of Exercise Price	Number of Options	Contractual Exercise Price	Exercise Prices
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	566,673	7.63 - 7.42	\$ 7.47 - \$ 7.80
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	227	7.47 - 7.42	\$ 7.80 - \$ 8.00
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	240,000	7.42 - 7.59	\$ 8.00 - \$ 8.00
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	633,334	2.13 - 2.00	\$ 8.00 - \$ 8.00
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	633,334	2.13 - 2.00	\$ 8.00 - \$ 8.00

Market Vesting Options

Weighted Average Remaining Life	Weighted Average Exercise Price	Range of Exercise Price	Number of Options	Contractual Exercise Price	Exercise Prices
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	240,000	7.42 - 7.59	\$ 8.00 - \$ 8.00
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	633,334	2.13 - 2.00	\$ 8.00 - \$ 8.00

Performance Vesting Options

Weighted Average Remaining Life	Weighted Average Exercise Price	Range of Exercise Price	Number of Options	Contractual Exercise Price	Exercise Prices
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	667,667	3.00 - 3.00	\$ 8.00 - \$ 8.00
0.01 - 0.02	\$ 4.00 - \$ 4.01	\$ 8.00 - \$ 8.00	667,667	3.00 - 3.00	\$ 8.00 - \$ 8.00

Granted 633,334 3.00 - Forfeited or expired (26,712) 8.37 (26,667) 7.59 Balance, December 31, 2022 633,334 1.00 662,891 10.02 240,000 \$ 7.59 The weighted average remaining contractual life for options exercisable is 6.7 years as of December 31, 2022. F-33 Valuation Information for Stock-Based Compensation For purposes of determining estimated fair value under FASB ASC 718-10, Stock Compensation, the Company computed the estimated fair values of stock options using the Black-Scholes model. Amendment to Performance Options On June 1, 2020, Rick Mills, CEO, and Will Logan, CFO, were issued ten-year options to purchase 160,000 and 80,000 shares of common stock (the "Performance Options"), respectively, which vest in equal installments over a three-year period (2020-2022), subject to satisfying the Company revenue target and EBITDA (earnings before interest, taxes, depreciation and amortization) targets for the applicable year. In each of calendar years 2020, 2021 and 2022, one-third of the total shares may vest (if the revenue and EBITDA targets are met), and the shares that are subject to vesting each year are allocated equally to each of the revenue and EBITDA targets for such year. The Performance Options includes a catch-up provision, where any options that did not vest during a prior year due to the Company's failure to meet a prior revenue or EBITDA target may vest in a subsequent vesting year if the revenue or EBITDA target, as applicable, is met in the future year. On June 15, 2022, the Board approved of an amendment to the Performance Options to provide that the revenue target for the calendar year 2022 set forth therein (\$ 38,000) is eliminated, and the remaining shares that are available for vesting under the Performance Options (106,667 unvested shares for Mr. Mills and 53,334 for Mr. Logan) (including the unvested portions of shares based on the satisfaction of the revenue targets for 2020 and 2021 by virtue of the catch-up provisions in the Performance Options) will fully vest upon the achievement of an updated EBITDA target for calendar year 2022 of \$ 3,600. The Performance Options state that the calculation of EBITDA set forth in the Performance Options shall be calculated in a form consistent with the Company's 2022 approved budget, which (i) excludes any impact on EBITDA of: (a) the accounting treatment (including any "mark-to-market accounting") of the Company's warrants or the "Guaranteed Consideration" (as defined in the Merger Agreement), (b) non-recurring transaction expenses associated with the Merger and the capital raising financing activities of the Company to effectuate the Merger, and (c) any write-down or write-off of any Company inventory of Safe Space Solutions products. (ii) includes deductions related to any cash or stock bonuses paid or payable to any employees of the Company for services provided in calendar year 2022 (even if such bonuses are actually paid after calendar year 2022), including bonuses paid pursuant to the terms of the 2022 Cash Bonus Plan (as described below) (collectively, the "EBITDA Calculations"). The exercise price of the foregoing options is \$ 7.59 per share, the closing price of the Company's common stock on the date of issuance. The options were issued from the 2014 Stock Incentive Plan. The fair value of the options on the grant date was \$ 5.61 and was determined using the Black-Scholes model. These values were calculated using the same weighted average assumptions as the time vesting options issued. Performance against the identified EBITDA target is assessed quarterly by the Company in order to determine whether any compensation expense should be recorded. For the year ended December 31, 2022, the Company recognized \$ 849 in stock-based compensation expense related to the Performance Options, net of a benefit of \$ 50 recorded for forfeiture awards, as the Company achieved the specified performance target for the performance period. F-34 Issuance of New Options On June 15, 2022, Messrs. Mills and Logan received ten-year options to purchase 333,334 and 200,000 shares of common stock, respectively (the "New Options"). The New Options are eligible to vest at any time on or prior to February 17, 2025 if the trailing 10-trading day volume-weighted average price ("VWAP") of the Company's common stock, as reported on the Nasdaq Capital Market, exceeds the share price targets below, subject to such executive serving the Company as a director, officer,

employee or consultant at such time: Share Price Targets Guaranteed Total Executive \$ 6.00 \$ 9.00 \$ 12.00 \$ 15.00 \$ 18.00 Price Shares Mills Shares Vested 16,667 33,334 50,000 66,667 83,333 83,333 333,333, 334 Logan Shares Vested 10,000 20,000 30,000 40,000 50,000 50,000 200,000 Percentage of Shares Vested 5% 10% 15% 20% 25% 25% The "Guaranteed Price" has the meaning ascribed to such term in the Merger Agreement, which means \$ 19.20 per share. The exercise price of the New Options is \$ 3.00 per share, which exceeds the closing price of the Company's common stock on the date of issuance. The New Options are issued from the Company's 2014 Stock Incentive Plan, as amended. An additional 100,000 options with identical market vesting restrictions were issued to non-executives during the year ended December 31, 2022. The fair value of the options on the grant date varied between \$ 0.63 and \$ 1.11 per award as determined using the Monte Carlo model. These values were calculated using the following weighted average assumptions: Risk-free interest rate 3.30% Expected term (in years) 2.68 Expected price volatility 123.53% Dividend yield 0% At December 31, 2022, the Company evaluated the probability of achieving the share price targets in each tranche based, in part, on work performed by the Company's third party valuation specialist in conjunction with evaluating the equity guarantee contingent liability. As a result of that evaluation of probability, during the year ended December 31, 2022 the Company recorded \$ 7 of compensation expense. These awards have not yet vested and are subject to actual share price performance through February 2025. Should any target not be achieved, any amounts recorded as expense in the Consolidated Statements of Operations related to that tranche would be reversed. On November 17, 2021, Creative Realities' Board of Directors updated its director compensation plan to compensate non-officer directors resulting in the Company granting 10-year options to purchase an aggregate of 85,000 shares of its common stock to non-employee directors of the Company under the Company's 2014 Stock Incentive Plan (the "Plan"). One-third of the options vested immediately, with the half of the remaining options vesting at each of the first and second anniversaries of the grant date. The options have an exercise price of \$ 6.63, the market value of the Company's common stock on the grant date. The fair value of the options on the grant date was \$ 5.23 and was determined using the Black-Scholes model. These values were calculated using the following weighted average assumptions: Risk-free interest rate 1.60% Expected term (in years) 6.25 Expected price volatility 97.78% Dividend yield 0% F-35 On June 1, 2020 the Board of Directors of the Company granted 10-year options to purchase an aggregate of 526,667 shares of its common stock to employees of the Company subject to shareholder approval of an increase in the reserve of shares authorized for issuance under the Company's 2014 Stock Incentive Plan (the "Plan"). On July 10, 2020, the Company held a special meeting of the Company's shareholders at which the shareholders approved the amendment to the Plan, which increased the reserve of shares authorized for issuance thereunder to 2,000,000 shares. The options awarded vest over 3 years and have an exercise price of \$ 7.59, the market value of the Company's common stock on the grant date. The fair value of the options on the grant date was \$ 5.61 and was determined using the Black-Scholes model. These values were calculated using the following weighted average assumptions: Risk-free interest rate 0.66% Expected term (in years) 6.25 Expected price volatility 89.18% Dividend yield 0% F-36 Stock Compensation Expense Information ASC 718-10, Stock Compensation, requires measurement and recognition of compensation expense for all stock-based payments including warrants, stock options, restricted stock grants and stock bonuses based on estimated fair values. Under the Amended and Restated 2006 Equity Incentive Plan, the Company reserved 573,334 shares for purchase by the Company's employees and under the Amended and Restated 2006 Non-Employee Director Stock Option Plan the Company reserved 233,334 shares for purchase by the Company's employees. There are 4,002 options outstanding under the 2006 Equity Incentive Plan. In October 2014, the Company's shareholders approved the 2014 Stock Incentive Plan, under which 7,390,355 shares were reserved for purchase by the Company's employees. In August 2018, a special meeting of shareholders was held in which the shareholders voted to amend the Company's 2014 Stock Incentive Plan to increase the reserve of shares authorized for issuance thereunder, from 7,390,355 shares to 18,000,000 shares. Following a 1-for-30 reverse stock split, the shares authorized for issuance under the Company's 2014 Stock Incentive Plan was reduced to 600,000. On July 10, 2020, the Company's shareholders approved an amendment to the Company's 2014 Stock Incentive Plan to increase the reserve of authorized for issuance thereunder to 6,000,000. Following a 1-for-3 reverse stock split, the shares authorized for issuance under the Company's 2014 Stock Incentive Plan was reduced to 2,000,000. There are 1,532,242 options outstanding under the 2014 Stock Incentive Plan. Employee Awards Compensation expense recognized for the issuance of stock options to employees for the years ended December 31, 2022 and 2021 of \$ 1,689 and \$ 1,494, respectively, was included in general and administrative expense in the Consolidated Financial Statements. At December 31, 2022, there was approximately \$ 842 and \$ 1,360 of total unrecognized compensation expense related to unvested share-based awards with time vesting and performance vesting criteria for employees, respectively. Generally, expense related to the time vesting options will be recognized over the next two- and one-half years and will be adjusted for any future forfeitures as they occur. Compensation expense related to performance vesting options will be recognized if it becomes probable that the Company will achieve the identified performance metrics. Non-Employee Awards Compensation expense recognized for the issuance of stock options, including those options awarded to our Board of Directors, for the years ended December 31, 2022 and 2021 of \$ 198 and \$ 398, respectively, was included in general and administrative expense in the Consolidated Financial Statements. At December 31, 2022, there was approximately \$ 62 of total unrecognized compensation expense related to unvested share-based awards with time vesting criteria for non-employee directors. Generally, expense related to the time vesting options will be recognized over the next two- years and will be adjusted for any future forfeitures as they occur. The Company engages certain consultants to perform services in exchange for Company common stock. Shares issued for services were calculated based on the ten (10) day volume weighted average price ("VWAP") for the last ten (10) days during the month of service provided. During the year ended December 31, 2022, the Company issued or accrued shares issuable in exchange for services in the amount of \$ 125. \$ 15 of the compensation expense was recorded as capitalized software. F-37 NOTE 14: LEASES The Company's lease portfolio is primarily comprised of operating leases for offices. At the inception of an arrangement, the Company determines whether the arrangement is or contains a lease based on whether the contract conveys the right to control the use of identified property or equipment for a period of time in exchange for consideration. Leases are classified as operating or finance leases at the commencement date of the lease. Operating lease right of use assets and obligations are recognized within the Consolidated Balance Sheets based on the present value of lease payments over the lease term. As the implicit rate is generally not readily determinable for most leases, the Company uses an incremental borrowing rate based on the information available at commencement date in determining the present value of lease payments. The incremental borrowing rate reflects the estimated rate of interest that the Company would pay to borrow on a collateralized basis over a similar term in a similar economic environment. Lease expense for operating leases is recognized on a straight-line basis over the lease term. Leases may include one or more options to renew. We do not assume renewals in our determination of the lease term unless the renewals are deemed to be reasonably assured at lease commencement. Our lease agreements do not contain any material residual value guarantees or material restrictive covenants. For the year ended December 31, 2022 and 2021, the Company recognized \$ 579 and \$ 379, respectively, of operating lease expense. Operating lease expense is recognized within general and administrative expenses in the Consolidated Statements of Operations. The following table provides lease term and discount rate information related to operating leases as of December 31, 2022: Year Ended Year Ended December 31, December 31, (in thousands) 2022 2021 Weighted Average Remaining Lease Term Operating leases (in years) 3.2 2.8 Weighted Average Discount Rate Operating leases 10.0% 10.0% The following table sets forth the scheduled maturities of lease obligations as of December 31, 2022: Operating (in thousands) Leases 2023 \$ 755 2024 459 2025 455 2026 112 2027 86 Total undiscounted cash flows 1,867 Less imputed interest (283) Present value of lease liabilities 1,584 Current maturities of operating leases 711 Long-term obligations under operating leases 873 Present value of lease liabilities \$ 1,584 F-38 The following table provides supplemental information related to the Company's Consolidated Statements of Cash Flows for the years ended December 31, 2022 and 2021: Year Ended Year Ended December 31, December 31, (in thousands) 2022 2021 Cash paid for amounts included in the measurement of lease liabilities: Operating cash flows from operating leases \$ 597 \$ 383 NOTE 15: PROFIT-SHARING PLAN We have a defined contribution 401(k) retirement plans for eligible associates in the United States. Associates may contribute up to 15% of their pretax compensation to the plan subject to IRS limitations. Beginning on April 1, 2018, the Company began contributing an employer contribution match of 50% of employee wages up to 6%, for an effective match of 3%. The Company indefinitely suspended the employer match at the end of March 2020 in response to the uncertainty of the COVID-19 pandemic and reinstated the employer match in October 2021. We have a Registered Retirement Savings Plan for eligible associates in Canada. Associates may contribute up to 18% of earned income reported on their tax return in the previous year, subject to legal contribution limits. Beginning on April 1, 2018, the Company began contributing an employer contribution match of 50% of employee wages up to 6%, for an effective match of 3%. The Company indefinitely suspended the employer match at the end of March 2020 in response to the uncertainty of the COVID-19 pandemic and reinstated the employer match in October 2021. The Company contributed \$ 142 and \$ 19 to employee retirement plans for the year ended December 31, 2022 and 2021, respectively. NOTE 16: SEGMENT INFORMATION AND SIGNIFICANT CUSTOMERS/ VENDOR Segment Information We currently operate in one reportable segment, marketing technology solutions. Substantially all property and equipment is located at our offices in the United States, and a data center located in the United States. All material sales for the years ended December 31, 2022 and 2021 were in the United States and Canada. Significant Customers We had three (3) and two (2) customers that accounted for 44.0% and 41.1% of revenue for the years ended December 31, 2022 and 2021, respectively. We had three (3) and two (2) customers that in the aggregate accounted for 49.2% and 56.6% of accounts receivable as of December 31, 2022 and December 31, 2021, respectively. Significant Vendors We had one (1) and three (3) vendors that accounted for 30.1% and 69.1% of outstanding accounts payable at December 31, 2022 and December 31, 2021, respectively. F-39 NOTE 17: SUBSEQUENT EVENTS Second Amendment to

Merger Agreement On February 11, 2023, the Company, Reflect and the Stockholders' Representative, executed a Second Amendment to the Merger Agreement. The Second Amendment to the Merger Agreement provides that, among other things, the cash merger consideration payable in the Merger should be reduced by \$ 242, or the " Claim Amount, " subject to a reduction in the Claim Amount to the extent that Reflect or Creative Realities receive payments of certain accounts receivable of Reflect, up to \$ 27. An employer retention credit of \$ 242 (the " ERC ") based on the operations of Reflect pre-Merger remains outstanding and will be paid to the Stockholders' Representative for the benefit of former Reflect stockholders upon receipt, subject to the offset rights of Creative Realities described below. On February 11, 2023, the Company and the Stockholders' Representative executed an amendment, or the " Note Amendment, " to the Secured Promissory Note. The Secured Promissory Note required Creative Realities to pay to the Stockholders' Representative a balloon payment of \$ 1, 250, plus all accrued and unpaid interest, on its stated maturity date, February 17, 2023. The Note Amendment eliminates the balloon payment, extending the maturity date for a one-year period, to February 17, 2024. During the extended period, Creative Realities will continue to make monthly principal payments of \$ 104, and the annual interest rate on the outstanding principal increased from 0. 59 % to 4. 60 %, which will accrue and is payable in full on the new maturity date. Offset Rights; Payment of Claim Amount In light of the possible collection of the ERC and the Note Amendment, the parties agreed that the Claim Amount would be reduced by the amount of any ERC received by Creative Realities or Reflect prior to the maturity date of the Secured Promissory Note. If the Claim Amount exceeds the remaining amounts payable under the Secured Promissory Note on any payment date, Creative Realities may reduce the amount of the Secured Promissory Note, and the Claim Amount will be reduced on a dollar-for-dollar basis. Escrow Agreement In light of the resolution of the Claim Amount, the parties agreed to release the \$ 250 escrow funds, plus interest, to the Stockholders' Representative, which was placed in escrow at the closing of the Merger to be released once the Claim Amount was paid. The parties also amended the Escrow Agreement executed at the closing of the Merger (the " Escrow Amendment ") to extend the period for which the escrow agent therein would accept monthly payments of the Secured Promissory Note until the extended maturity date, February 17, 2024. On March 23, 2023, the Company filed Articles of Amendment with the Secretary of State of the State of Minnesota to effectuate, effective March 27, 2023, a one-for-three stock split of the shares of the Company's common stock, par value \$ 0. 01 per share. As a result of the reverse stock split, effective 12: 01 am on March 27, 2023, every three shares of common stock then issued and outstanding automatically combined into one share of common stock, with no change in par value per share. No fractional shares were outstanding following the reverse stock split and any fractional shares resulting from the reverse split were rounded up to the nearest whole share of common stock. In connection with the reverse stock split, the total number of shares of common stock authorized for issuance was reduced from 200, 000, 000 shares to 66, 666, 666 shares in proportion to the reverse stock split. F- 40 Exhibit 21. 1 Our corporate structure, including our principal operating subsidiaries, is as follows: Name of subsidiary Jurisdiction of incorporation or organization Allure Global Solutions, Inc. Georgia Reflect Systems, Inc. Delaware Wireless Ronin Technologies Canada, Inc. Canada Exhibit 23. 1 CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM We consent to the incorporation by reference in Registration Statement Nos. 333- 262516, 333- 239108, 333- 238275, and 333- 255001 on Form S- 3, Nos. 333- 225876 and 333- 209847 on Form S- 1, No. 333- 261048 on Form S- 4 and Nos. 333- 189318, 333- 181999, 333- 174861, 333- 167454, 333- 159927, 333- 147458, 333- 145795 and 333- 265699 on Form S- 8 of our report dated March 30, 2023, relating to the consolidated financial statements of Creative Realities, Inc. appearing in this Annual Report on Form 10- K for the year ended December 31, 2022. /s/ Deloitte and Touche LLP EXHIBIT 31. 1 CHIEF EXECUTIVE OFFICER CERTIFICATION PURSUANT TO EXCHANGE ACT RULE 13a- 14 (a) I, Richard Mills, certify that: 1. I have reviewed this annual report on Form 10- K for the year ended December 31, 2022, of Creative Realities, Inc.; 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; 4. The registrant's other certifying officer (s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a- 15 (e) and 15d- 15 (e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a- 15 (f) and 15d- 15 (f)) for the registrant and have: a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and 5. The registrant's other certifying officer (s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions): a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting. Dated: March 30, 2023 By: /s/ Richard Mills Richard Mills Chief Executive Officer EXHIBIT 31. 2 CHIEF FINANCIAL OFFICER CERTIFICATION PURSUANT TO EXCHANGE ACT RULE 13a- 14 (a) I, Will Logan, certify that: By: /s/ Will Logan Will Logan Chief Financial Officer EXHIBIT 32. 1 CHIEF EXECUTIVE OFFICER CERTIFICATION PURSUANT TO 18 U. S. C. SECTION 1350 In connection with the Annual Report of Creative Realities, Inc. (the " Company ") on Form 10- K for the year ended December 31, 2022, as filed with the Securities and Exchange Commission on the date hereof (the " Report "), I, Richard Mills, certify, pursuant to 18 U. S. C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes- Oxley Act of 2002, that: 1. The Report fully complies with the requirements of Section 13 (a) or 15 (d) of the Securities Exchange Act of 1934; and 2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. A signed original of this written statement required by Section 906 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request. EXHIBIT 32. 2 CHIEF FINANCIAL OFFICER CERTIFICATION PURSUANT TO In connection with the Annual Report of Creative Realities, Inc. (the " Company ") on Form 10- K for the year ended December 31, 2022, as filed with the Securities and Exchange Commission on the date hereof (the " Report "), I, Will Logan, certify, pursuant to 18 U. S. C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes- Oxley Act of 2002, that: v3. 23. 1 Document And Entity Information- USD (\$) 12 Months Ended Dec. 31, 2022 Mar. 29, 2023 Jun. 30, 2022 Document Information [Line Items] Entity Central Index Key Entity Registrant Name CREATIVE REALITIES, INC. Amendment Flag false Current Fiscal Year End Date- 12- 31 Document Fiscal Period Focus FY Document Fiscal Year Focus Document Type 10- K Document Annual Report true Document Period End Date Dec. 31, 2022 Document Transition Report false Entity File Number 001- 33169 Entity Incorporation, State or Country Code MN Entity Tax Identification Number 41- 1967918 Entity Address, Address Line One 13100 Magisterial Drive, Suite 100 Entity Address, City or Town Louisville Entity Address, State or Province KY Entity Address, Postal Zip Code City Area Code Local Phone Number 791- 8800 Entity Well- known Seasoned Issuer No Entity Voluntary Filers No Entity Current Reporting Status Yes Entity Interactive Data Current Yes Entity Filer Category Non- accelerated Filer Entity Size Small Business true Entity Emerging Growth Company false ICFR Auditor Attestation Flag false Entity Shell Company false Entity Public Float \$ 13, 263, 727 Entity Common Stock, Shares Outstanding 7, 394, 407 Auditor Firm ID Auditor Name Deloitte & Touche LLP Auditor Location Louisville, Kentucky Warrant [Member] Document Information [Line Items] Title of 12 (b) Security Warrants to purchase Common Stock Trading Symbol CREXW Security Exchange Name NASDAQ Common Stock [Member] Document Information [Line Items] Title of 12 (b) Security Common Stock, par value \$ 0. 01 per share Trading Symbol CREX Security Exchange Name NASDAQ X- Definition Boolean flag that is true when the XBRL content amends previously- filed or accepted submission- References No definition available. Details Name: dei_ Amendment Flag Namespace Prefix: dei_ Data Type: xbrli: boolean ItemType Balance Type: na Period Type: duration X- Definition PCAOB issued Audit Firm Identifier References Reference 1: http://www. xbrl. org/ 2003/ role/ presentationRef- Publisher SEC- Name Form 10- K- Number 249- Section 310 Reference 2: http://www. xbrl. org/ 2003/ role/ presentationRef- Publisher SEC- Name Form 20- F- Number 249- Section 220- Subsection f Reference 3: http://www. xbrl. org/ 2003/ role/ presentationRef- Publisher SEC- Name Form 40- F- Number 249- Section 240- Subsection f Details Name: dei_ Auditor Firm ID Namespace Prefix: dei_ Data Type: dei: nonemptySequenceNumber ItemType Balance Type: na Period Type: duration X- References Reference 1: http://www. xbrl. org/ 2003/ role/ presentationRef- Publisher SEC- Name Form 10- K- Number 249- Section 310 Reference 2: http://www. xbrl. org/ 2003/ role/ presentationRef- Publisher SEC- Name Form 20- F- Number 249- Section 220- Subsection f Reference 3: http://www. xbrl. org/ 2003/ role/ presentationRef- Publisher SEC- Name Form 40- F- Number 249- Section 240- Subsection f Details Name: dei_ Auditor Location Namespace Prefix: dei_ Data Type: dei: internationalName ItemType Balance Type: na Period Type: duration X- References Reference 1: http://www. xbrl. org/ 2003/ role/

presentationRef-Publisher SEC-Name Form 10-K-Number 249-Section 310Reference 2: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 20-F-Number 249-Section 220-Subsection f>Reference 3: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 40-F-Number 249-Section 240-Subsection f>Details Name: dei_AuditorName Namespace Prefix: dei_Data Type: dei: internationalNameItem Type Balance Type: na Period Type: durationX-DefinitionArea code of city ReferencesNo definition available. Details Name: dei_CityAreaCode Namespace Prefix: dei_Data Type: xbrli: normalizedStringItem Type Balance Type: na Period Type: durationX-DefinitionEnd date of current fiscal year in the format-MM-DD. ReferencesNo definition available. Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_Data Type: xbrli: gMonthDayItem Type Balance Type: na Period Type: durationX-DefinitionBoolean flag that is true only for a form used as an annual report. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 10-K-Number 249-Section 310Reference 2: http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 20-F-Number 249-Section 220-Subsection f>Reference 3: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 40-F-Number 249-Section 240-Subsection f>Details Name: dei_DocumentAnnualReport Namespace Prefix: dei_Data Type: xbrli: booleanItem Type Balance Type: na Period Type: durationX-DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter-10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. ReferencesNo definition available. Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_Data Type: dei: fiscalPeriodItem Type Balance Type: na Period Type: durationX-DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. ReferencesNo definition available. Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_Data Type: xbrli: gYearItem Type Balance Type: na Period Type: durationX-DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. ReferencesNo definition available. Details Name: dei_DocumentInformationLineItems Namespace Prefix: dei_Data Type: xbrli: stringItem Type Balance Type: na Period Type: durationX-DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. ReferencesNo definition available. Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_Data Type: xbrli: dateItem Type Balance Type: na Period Type: durationX-DefinitionBoolean flag that is true only for a form used as a transition report. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 10-K-10-Q-20-F-Number 240-Section 13-Subsection a-1>Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_Data Type: xbrli: booleanItem Type Balance Type: na Period Type: durationX-DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. ReferencesNo definition available. Details Name: dei_DocumentType Namespace Prefix: dei_Data Type: dei: submissionTypeItem Type Balance Type: na Period Type: durationX-DefinitionAddress Line 1 such as Attn, Building Name, Street Name ReferencesNo definition available. Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_Data Type: xbrli: normalizedStringItem Type Balance Type: na Period Type: durationX-DefinitionName of the City or Town ReferencesNo definition available. Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_Data Type: xbrli: normalizedStringItem Type Balance Type: na Period Type: durationX-DefinitionCode for the postal or zip code ReferencesNo definition available. Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_Data Type: xbrli: normalizedStringItem Type Balance Type: na Period Type: durationX-DefinitionName of the state or province. ReferencesNo definition available. Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_Data Type: dei: stateOrProvinceItem Type Balance Type: na Period Type: durationX-DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2>Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_Data Type: dei: centralIndexKeyItem Type Balance Type: na Period Type: durationX-DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class / interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. ReferencesNo definition available. Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_Data Type: xbrli: sharesItem Type Balance Type: na Period Type: instantX-DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15 (d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. ReferencesNo definition available. Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_Data Type: dei: yesNoItem Type Balance Type: na Period Type: durationX-DefinitionIndicate if registrant meets the emerging growth company criteria. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2>Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_Data Type: xbrli: booleanItem Type Balance Type: na Period Type: durationX-DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. ReferencesNo definition available. Details Name: dei_EntityFileNumber Namespace Prefix: dei_Data Type: dei: fileNumberItem Type Balance Type: na Period Type: durationX-DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2>Details Name: dei_EntityFilerCategory Namespace Prefix: dei_Data Type: dei: filerCategoryItem Type Balance Type: na Period Type: durationX-DefinitionTwo-character EDGAR code representing the state or country of incorporation. ReferencesNo definition available. Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_Data Type: dei: edgarStateCountryItem Type Balance Type: na Period Type: durationX-DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Regulation S-T-Number 232-Section 405>Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_Data Type: dei: yesNoItem Type Balance Type: na Period Type: durationX-DefinitionThe aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter. ReferencesNo definition available. Details Name: dei_EntityPublicFloat Namespace Prefix: dei_Data Type: xbrli: monetaryItem Type Balance Type: credit Period Type: instantX-DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2>Details Name: dei_EntityRegistrantName Namespace Prefix: dei_Data Type: xbrli: normalizedStringItem Type Balance Type: na Period Type: durationX-DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2>Details Name: dei_EntityShellCompany Namespace Prefix: dei_Data Type: xbrli: booleanItem Type Balance Type: na Period Type: durationX-DefinitionIndicates that the company is a Smaller Reporting Company (SRC). ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2>Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_Data Type: xbrli: booleanItem Type Balance Type: na Period Type: durationX-DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2>Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_Data Type: dei: employerIdItem Type Balance Type: na Period Type: durationX-DefinitionIndicate 'Yes' or 'No' if the registrant is not required to file reports pursuant to Section 13 or Section 15 (d) of the Act. ReferencesNo definition available. Details Name: dei_EntityVoluntaryFilers Namespace Prefix: dei_Data Type: dei: yesNoItem Type Balance Type: na Period Type: durationX-DefinitionIndicate 'Yes' or 'No' if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Is used on Form Type: 10-K, 10-Q, 8-K, 20-F, 6-K, 10-K/A, 10-Q/A, 20-F/A, 6-K/A, N-CSR, N-Q, N-1A. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Securities Act-Number 230-Section 405>Details Name: dei_EntityWellKnownSeasonedIssuer Namespace Prefix: dei_Data Type: dei: yesNoItem Type Balance Type: na Period Type: durationX-ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 10-K-Number 249-Section 310Reference 2: http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 20-F-Number 249-Section 220-Subsection f>Reference 3: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 40-F-Number 249-Section 240-Subsection f>Details Name: dei_IefrAuditorAttestationFlag Namespace Prefix: dei_

Data Type: xbrli:booleanItem Type: Balance Type: na Period Type: durationX-DefinitionLocal phone number for entity. ReferencesNo definition available. Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItem Type: Balance Type: na Period Type: durationX-DefinitionTitle of a 12 (b) registered security. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b> Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItem Type: Balance Type: na Period Type: durationX-DefinitionName of the Exchange on which a security is registered. ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection d1-1> Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItem Type: Balance Type: na Period Type: durationX-DefinitionTrading symbol of an instrument as listed on an exchange. ReferencesNo definition available. Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItem Type: Balance Type: na Period Type: durationX-Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_WarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: Consolidated Balance Sheets USD (\$) \$ in Thousands Dec. 31, 2021 CURRENT ASSETS Cash and cash equivalents \$ 1,633 \$ 2,883 Accounts receivable, net of allowance for doubtful accounts of \$ 984 and \$ 620, respectively 8,263 3,006 Unbilled receivablesInventories, net 2,267 1,880 Prepaids and other current assets 1,819 1,634 Total current assets 13,982 9,772 Property and equipment, net Operating lease right-of-use assets 1,584 Intangibles, net 23,752 4,850 Goodwill 26,453 7,525 Other assets TOTAL ASSETS 66,015 22,881 CURRENT LIABILITIES Accounts payable 3,757 2,517 Accrued expenses 3,828 2,110 Deferred revenues 1,223 Customer deposits 2,478 1,525 Current maturities of operating leases Total current liabilities 16,496 6,859 Long-term Secured Promissory Note Long-term related party convertible loans payable, at fair value 2,251 Long-term obligations under operating leases Contingent acquisition consideration, at fair value 9,789 Other liabilities TOTAL LIABILITIES 40,436 14,152 SHAREHOLDERS' EQUITY Common stock, \$ 0.01 par value, 66,666 shares authorized; 7,266 and 4,003 shares issued and outstanding, respectively Additional paid-in capital 75,770 60,863 Accumulated deficit (50,409) (52,254) Total shareholders' equity 25,579 8,729 TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY 66,015 22,881 Seller Note [Member] CURRENT LIABILITIES Short-term portion of Secured Promissory Note 1,248 Consolidated Term Loan [Member] CURRENT LIABILITIES Short-term related party Loan 1,251 Long-term related party loans payable 4,349 Term Loan 2022 [Member] CURRENT LIABILITIES Short-term related party Loan 2,000 Acquisition Term Loan [Member] CURRENT LIABILITIES Long-term related party loans payable 8,516 Loans Excluding Acquisition Term Loan and Consolidation Term Loan [Member] CURRENT LIABILITIES Long-term related party loans payable \$ 0 \$ 4,624X-DefinitionThe amount for convertible loans payable (written promise to pay), payable to related parties, which are due after one year (or one business cycle). ReferencesNo definition available. Details Name: crex_ConvertibleLoansPayableRelatedPartiesNoncurrent Namespace Prefix: crex_ Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instantX-DefinitionThe current portion of money or property received from customers which is either to be returned upon satisfactory contract completion or applied to customer receivables in accordance with the terms of the contract or the understanding. ReferencesNo definition available. Details Name: crex_CustomerDepositCurrent Namespace Prefix: crex_ Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instantX-DefinitionCurrent portion of the amount for loans payable (written promise to pay), payable to related parties. ReferencesNo definition available. Details Name: crex_LoansPayableRelatedPartiesCurrent Namespace Prefix: crex_ Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instantX-DefinitionThe amount for loans payable (written promise to pay), payable to related parties, which are due after one year (or one business cycle). ReferencesNo definition available. Details Name: crex_LoansPayableRelatedPartiesNoncurrent Namespace Prefix: crex_ Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instantX-DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph \(SX 210-5-02-19 \(a\)\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210-5-02-19 (a))) URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Reference 2: <http://www.xbrl.org/2003/role/exampleRef-Publisher FASB-Name Accounting Standards Codification-Topic 852-SubTopic 10-Section 55-Paragraph 10> URI <https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instantX-DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher FASB-Name Accounting Standards Codification-Topic 310-SubTopic 10-Section 45-Paragraph 2> URI <https://asc.fasb.org/extlink&oid=124259787&loc=d3e4531-111522> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher FASB-Name Accounting Standards Codification-Topic 310-SubTopic 10-Section 45-Paragraph 9> URI <https://asc.fasb.org/extlink&oid=124259787&loc=d3e4531-111522> Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type: Balance Type: debit Period Type: instantX-DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph \(SX 210-5-02-20\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210-5-02-20)) URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Details Name: us-gaap_AccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instantX-DefinitionAmount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. 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Assets are probable future economic benefits obtained or controlled by an entity as a result of past transactions or events. 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realized in cash, sold, or consumed within one year (or the normal operating cycle, if longer). Assets are probable future economic benefits obtained or controlled by an entity as a result of past transactions or events. 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Details Name: us-gaap_AssetsCurrentAbstractNamespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: naPeriod Type: durationX-DefinitionAmount of liability recognized arising from contingent consideration in a business combination, expected to be settled beyond one year or the normal operating cycle, if longer. ReferencesReference 1: <http://www.fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section25-Paragraph6> URI https://asc.fasb.org/extlink&oid=6911189&loc=d3e6408-128476Reference 2: [http://www.fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section35-Paragraph1-Subparagraph\(b\)](http://www.fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section35-Paragraph1-Subparagraph(b)) URI https://asc.fasb.org/extlink&oid=12696325&loc=d3e6819-128478Details Name: us-gaap_BusinessCombinationContingentConsiderationLiabilityNoncurrentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: creditPeriod Type: instantX-DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. ReferencesReference 1: <http://www.fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph4> URI https://asc.fasb.org/extlink&oid=126954810&loc=d3e3044-108585Reference 2: [http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section45-Paragraph1-Subparagraph\(a\)](http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section45-Paragraph1-Subparagraph(a)) URI https://asc.fasb.org/extlink&oid=124098289&loc=d3e6676-107765Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02\(1\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02(1))) URI https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValueNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debitPeriod Type: instantX-

DefinitionAggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity. ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section55-Paragraph10-URIhttps://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766>Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02\(29\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02(29))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_CommonStockValueNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section45-Paragraph1-URIhttps://asc.fasb.org/extlink&oid=126919976&loc=SL49130531-203044>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section45-Paragraph2-URIhttps://asc.fasb.org/extlink&oid=126919976&loc=SL49130532-203044>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph8-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130549-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph8-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130549-203045) Details Name: us-gaap_ContractWithCustomerLiabilityCurrentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic926-SubTopic20-Section50-Paragraph5-URIhttps://asc.fasb.org/extlink&oid=120154696&loc=d3e54445-107959>Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section50-Paragraph1-Subparagraph\(a\)\(1\)-URIhttps://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section50-Paragraph1-Subparagraph(a)(1)-URIhttps://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275) Details Name: us-gaap_FiniteLivedIntangibleAssetsNetNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX-DefinitionAmount after accumulated impairment loss of an asset representing future economic benefits arising from other assets acquired in a business combination that are not individually identified and separately recognized. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section50-Paragraph1-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=121556970&loc=d3e13816-109267](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section50-Paragraph1-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=121556970&loc=d3e13816-109267)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic942-SubTopic210-SectionS99-Paragraph1-Subparagraph\(SX210.9-03\(10\)\(1\)\)-URIhttps://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic942-SubTopic210-SectionS99-Paragraph1-Subparagraph(SX210.9-03(10)(1))-URIhttps://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878)Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section50-Paragraph1-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=121556970&loc=d3e13816-109267](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section50-Paragraph1-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=121556970&loc=d3e13816-109267)Reference 4: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section55-Paragraph24-URIhttps://asc.fasb.org/extlink&oid=122137925&loc=d3e14258-109268>Reference 5: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section55-Paragraph10-URIhttps://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic20-Section45-Paragraph1-URIhttps://asc.fasb.org/extlink&oid=99380562&loc=d3e13770-109266>Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02\(15\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02(15))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_GoodwillNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX-DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02\(6\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02(6))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 2: [http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section45-Paragraph1-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=124098289&loc=d3e6676-107765](http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section45-Paragraph1-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=124098289&loc=d3e6676-107765)Reference 3: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section55-Paragraph10-URIhttps://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Details Name: us-gaap_InventoryNetNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX-DefinitionSum of the carrying amounts as of the balance sheet date of all liabilities that are recognized. Liabilities are probable future sacrifices of economic benefits arising from present obligations of an entity to transfer assets or provide services to other entities in the future. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02.19-26\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02.19-26)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765)Reference 3: [http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph\(d\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599](http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph(d)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599)Reference 4: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765)Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section45-Paragraph25-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=116870748&loc=SL6758485-165988](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section45-Paragraph25-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=116870748&loc=SL6758485-165988)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(5\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(5))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756)Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph\(f\)-URIhttps://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph(f)-URIhttps://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612)Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iv\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iv))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756)Reference 9: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph\(bb\)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph(bb)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685)Reference 10: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iii\)\(B\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iii)(B))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756)Reference 11: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(iv\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(iv))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756)Reference 12: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685)Reference 13: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571)Reference 14: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(5\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(5))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756)Reference 15: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(iii\)\(A\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(iii)(A))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756)Reference 16: 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[http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(i\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(i))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756)Reference 18: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.4-08\(g\)\(1\)\)-URIhttps://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.4-08(g)(1))-URIhttps://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690)Reference 19: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iii\)\(A\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iii)(A))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756)Reference 20: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(ii\)\)-URIhttps://asc.fasb.org/extlink&oid](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(ii))-URIhttps://asc.fasb.org/extlink&oid)

=126975872 & loc = SL124442526-122756 Details Name: us-gaap_LiabilitiesNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-Definition Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. References Reference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571) Reference 2: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section55-Paragraph10-URIhttps://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic942-SubTopic210-SectionS99-Paragraph1-Subparagraph\(SX210.9-03\(23\)\)-URIhttps://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic942-SubTopic210-SectionS99-Paragraph1-Subparagraph(SX210.9-03(23))-URIhttps://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878) Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic944-SubTopic210-SectionS99-Paragraph1-Subparagraph\(SX210.7-03\(a\)\(25\)\)-URIhttps://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic944-SubTopic210-SectionS99-Paragraph1-Subparagraph(SX210.7-03(a)(25))-URIhttps://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910) Reference 5: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.4-08\(g\)\(1\)\(ii\)\)-URIhttps://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.4-08(g)(1)(ii))-URIhttps://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690) Reference 6: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02\(22\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d2e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02(22))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d2e13212-122682) Reference 7: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph\(f\)-URIhttps://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph(f)-URIhttps://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612) Details Name: us-gaap_LiabilitiesAndStockholdersEquityNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-Definition Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer. References Reference 1: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section55-Paragraph10-URIhttps://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iii\)\(A\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iii)(A))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756) Reference 4: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section50-Paragraph7-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=124433192&loc=SL2890621-112765) Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section45-Paragraph25-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=116870748&loc=SL6758485-165988](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section45-Paragraph25-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=116870748&loc=SL6758485-165988) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.4-08\(g\)\(1\)\(iii\)\)-URIhttps://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.4-08(g)(1)(iii))-URIhttps://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690) Reference 7: 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[http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(ii\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(ii))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756) Reference 10: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685) Reference 11: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571) Reference 12: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iii\)\(B\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iii)(B))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756) Reference 13: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(5\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(5))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756) Reference 14: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph\(bb\)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic810-SubTopic10-Section50-Paragraph3-Subparagraph(bb)-URIhttps://asc.fasb.org/extlink&oid=123419778&loc=d3e5710-111685) Reference 15: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(5\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(5))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756) Reference 16: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(iii\)\(A\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(iii)(A))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756) Reference 17: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(ii\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(ii))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756) Reference 18: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(iv\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(iv))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756) Reference 19: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph\(f\)-URIhttps://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph(f)-URIhttps://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612) Reference 20: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section45-Paragraph5-URIhttps://asc.fasb.org/extlink&oid=124098289&loc=d3e6904-107765> Reference 21: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02.21\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02.21)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_LiabilitiesCurrentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-References No definition available. Details Name: us-gaap_LiabilitiesCurrentAbstractNamespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-Definition Carrying value as of the balance sheet date of notes payable (with maturities initially due after one year or beyond the operating cycle if longer), excluding current portion. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02.22\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02.22)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_LongTermNotesPayableNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-Definition Sum of the carrying values as of the balance sheet date of the portions of long-term notes payable due within one year or the operating cycle if longer. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02.19,20\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02.19,20)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_NotesPayableCurrentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-Definition Present value of lessee's discounted obligation for lease payments from operating lease, classified as current. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph1-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph1-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977) Details Name: us-gaap_OperatingLeaseLiabilityCurrentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-Definition Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph1-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph1-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977) Details Name: us-gaap_OperatingLeaseLiabilityNoncurrentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-Definition Amount of lessee's right to use underlying asset under operating lease. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph1-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph1-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977) Details Name: us-gaap_OperatingLeaseRightOfUseAssetNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX-Definition Amount of noncurrent assets classified as other. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.5-02\(17\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.5-02(17))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_OtherAssetsNoncurrentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType

Balance Type: debit Period Type: instantX- DefinitionAmount of liabilities classified as other, due after one year or the normal operating cycle, if longer. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-24\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-24)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-OtherLiabilitiesNoneurrent Namespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-09\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-09)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229> Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-\(SX-210-7-03\(a\)\(8\)\)-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-(SX-210-7-03(a)(8))-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910) Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-360-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=124429447&loc=SL124453093-239630> Reference 4: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-852-SubTopic-10-Section-55-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Details Name: us-gaap-PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionThe cumulative amount of the reporting entity's undistributed earnings or deficit. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02\(30\)\(a\)\(3\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02(30)(a)(3))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 2: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-852-SubTopic-10-Section-55-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-\(SX-210-7-03\(a\)\(23\)\(a\)\(4\)\)-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-(SX-210-7-03(a)(23)(a)(4))-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph-\(h\)\(2\)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph-(h)(2)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641) Reference 5: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-3-04\)-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-3-04)-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph-\(g\)\(2\)\(i\)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph-(g)(2)(i)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641) Details Name: us-gaap-RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- DefinitionTotal of all stockholders' equity (deficit) items, net of receivables from officers, directors, owners, and affiliates of the entity which are attributable to the parent. The amount of the economic entity's stockholders' equity attributable to the parent excludes the amount of stockholders' equity which is allocable to that ownership interest in subsidiary equity which is not attributable to the parent (noncontrolling interest, minority interest). This excludes temporary equity and is sometimes called permanent equity. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-4-08\(g\)\(1\)\(ii\)\)-URI-https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-4-08(g)(1)(ii))-URI-https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690) Reference 2: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-852-SubTopic-10-Section-55-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-310-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-\(SAB-Topic-4-E\)-URI-https://asc.fasb.org/extlink&oid=122038336&loc=d3e74512-122707](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-310-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-(SAB-Topic-4-E)-URI-https://asc.fasb.org/extlink&oid=122038336&loc=d3e74512-122707) Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02\(29\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02(29))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 5: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02\(30\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02(30))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 6: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02\(30\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02(30))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 7: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-825-SubTopic-10-Section-50-Paragraph-28-Subparagraph-\(f\)-URI-https://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-825-SubTopic-10-Section-50-Paragraph-28-Subparagraph-(f)-URI-https://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612) Reference 8: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-323-SubTopic-10-Section-50-Paragraph-3-Subparagraph-\(e\)-URI-https://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-323-SubTopic-10-Section-50-Paragraph-3-Subparagraph-(e)-URI-https://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571) Details Name: us-gaap-StockholdersEquity Namespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- ReferencesNo definition available. Details Name: us-gaap-StockholdersEquityAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX- DefinitionAmount received for services rendered and products shipped, but not yet billed, for non-contractual agreements due within one year or the normal operating cycle, if longer. ReferencesNo definition available. Details Name: us-gaap-UnbilledReceivablesCurrent Namespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- Details Name: us-gaap-DebtInstrumentAxis=crex-SellerNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-DebtInstrumentAxis=crex-ConsolidatedTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-DebtInstrumentAxis=crex-TermLoan2022Member Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-DebtInstrumentAxis=crex-AcquisitionTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-DebtInstrumentAxis=crex-LoansExcludingAcquisitionTermLoanAndConsolidatedTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: Consolidated Balance Sheets (Parentheticals)-USD (\$) shares in Thousands, \$ in Thousands Dec. 31, 2022 Dec. 31, 2021 Allowance for Credit Loss \$ 984 \$ 620 Common stock, par value (in dollars per share) \$ 0.01 \$ 0.01 Common stock, shares authorized (in shares) 66,666,666 66,666,666 Common stock, shares issued (in shares) 7,266,400 7,266,400 Common stock, shares outstanding (in shares) 7,266,400 7,266,400 Consolidated Term Loan [Member] Loans payable, discount, current \$ 745 \$ 0 Loans payable, discount, noncurrent Acquisition Term Loan [Member] Loans payable, discount, noncurrent 1,484 Loans Excluding Acquisition Term Loan and Consolidated Term Loan [Member] Loans payable, discount, noncurrent \$ 0 \$ 143X- DefinitionAmount of allowance for credit loss on accounts receivable, classified as current. 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ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02\(29\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02(29))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap-Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instantX- DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02\(29\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02(29))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-CommonStockSharesAuthorized Namespace Prefix: us-gaap-Data Type: xbrli:sharesItemType Balance Type: na Period Type: instantX- DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the

126975872 & loc = SL124442526-122756Reference 13: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(i\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(i))) URI <https://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756>Reference 14: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(i\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(i))) URI <https://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756>Reference 15: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic250-SubTopic10-Section50-Paragraph9> URI <https://asc.fasb.org/extlink&oid=124431687&loc=d3e22663-107794>Reference 16: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iv\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iv))) URI <https://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756>Reference 17: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(4\)\(ii\)\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(4)(ii))) URI <https://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756>Reference 18: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph\(f\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic825-SubTopic10-Section50-Paragraph28-Subparagraph(f)) URI <https://asc.fasb.org/extlink&oid=123596393&loc=d3e14064-108612>Reference 19: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic250-SubTopic10-Section50-Paragraph3> URI <https://asc.fasb.org/extlink&oid=124431687&loc=d3e22583-107794>Reference 20: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.4-08\(g\)\(1\)\(ii\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.4-08(g)(1)(ii))) URI <https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690>Reference 21: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic260-SubTopic10-Section45-Paragraph60B-Subparagraph\(a\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic260-SubTopic10-Section45-Paragraph60B-Subparagraph(a)) URI <https://asc.fasb.org/extlink&oid=126958026&loc=SL5780133-109256>Reference 22: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph\(c\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic323-SubTopic10-Section50-Paragraph3-Subparagraph(c)) URI <https://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571>Reference 23: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic250-SubTopic10-Section50-Paragraph8> URI <https://asc.fasb.org/extlink&oid=124431687&loc=d3e22658-107794>Reference 24: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-Section45-Paragraph1A-Subparagraph\(a\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-Section45-Paragraph1A-Subparagraph(a)) URI <https://asc.fasb.org/extlink&oid=126968391&loc=SL7669619-108580>Reference 25: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph31> URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8924-108599>Reference 26: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic250-SubTopic10-Section50-Paragraph11-Subparagraph\(b\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic250-SubTopic10-Section50-Paragraph11-Subparagraph(b)) URI <https://asc.fasb.org/extlink&oid=124431687&loc=d3e22694-107794>Reference 27: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic250-SubTopic10-Section50-Paragraph11-Subparagraph\(a\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic250-SubTopic10-Section50-Paragraph11-Subparagraph(a)) URI <https://asc.fasb.org/extlink&oid=124431687&loc=d3e22694-107794>Reference 28: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic205-SubTopic20-Section50-Paragraph7> URI <https://asc.fasb.org/extlink&oid=109222650&loc=SL51721683-107760>Reference 29: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-Section45-Paragraph1B-Subparagraph\(a\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-Section45-Paragraph1B-Subparagraph(a)) URI <https://asc.fasb.org/extlink&oid=126968391&loc=SL7669625-108580>Reference 30: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph22> URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599>Reference 31: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph\(SX210.13-01\(a\)\(5\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1A-Subparagraph(SX210.13-01(a)(5))) URI <https://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756>Reference 32: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iii\)\(B\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iii)(B))) URI <https://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756>Reference 33: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iii\)\(A\)\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iii)(A))) URI <https://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756>Reference 34: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph\(b\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph(b)) URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599>Reference 35: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph\(e\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph(e)) URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599>Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business). ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph\(SX210.5-03.7\)](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph(SX210.5-03.7)) URI <https://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227>Details Name: us-gaap_NonoperatingIncomeExpense Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap_NonoperatingIncomeExpense Abstract Namespace Prefix: us-gaap_Data Type: xbrli: stringItemType Balance Type: na Period Type: durationX-DefinitionGenerally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense. ReferencesNo definition available. Details Name: us-gaap_OperatingExpenses Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap_OperatingExpenses Abstract Namespace Prefix: us-gaap_Data Type: xbrli: stringItemType Balance Type: na Period Type: durationX-DefinitionThe net result for the period of deducting operating expenses from operating revenues. ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph31-URI> <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8924-108599>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph\(b\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph(b)) URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph\(c\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph(c)) URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph\(f\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph(f)) URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph22-URI> <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599>Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX-DefinitionAmount of income (expense) related to nonoperating activities, classified as other. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph\(SX210.5-03.9\)](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph(SX210.5-03.9)) URI <https://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227>Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe aggregate costs incurred (1) in a planned search or critical investigation aimed at discovery of new knowledge with the hope that such knowledge will be useful in developing a new product or service, a new process or technique, or in bringing about a significant improvement to an existing product or process; or (2) to translate research findings or other knowledge into a plan or design for a new product or process or for a significant improvement to an existing product or process whether intended for sale or the entity's use, during the reporting period charged to research and development projects, including the costs of developing computer software up to the point in time of achieving technological feasibility, and costs allocated in accounting for a business combination to in-process projects deemed to have no alternative future use. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic912-SubTopic730-Section25-Paragraph1-URI> <https://asc.fasb.org/extlink&oid=6472174&loc=d3e58812-109433>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic985-SubTopic20-Section50-Paragraph1-URI> <https://asc.fasb.org/extlink&oid=6501960&loc=d3e128462-111756>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic730-SubTopic10-Section50-Paragraph1-URI> <https://asc.fasb.org/extlink&oid=6420194&loc=d3e21568-108373>Details Name: us-gaap_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. ReferencesReference 1:

[http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-41-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9038-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-41-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9038-108599)Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-606-SubTopic-10-Section-50-Paragraph-5-URI-https://asc.fasb.org/extlink&oid=126920106&loc=SL49130543-203045>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599)Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-30-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-30-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599)Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599)Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-606-SubTopic-10-Section-50-Paragraph-4-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=126920106&loc=SL49130543-203045](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-606-SubTopic-10-Section-50-Paragraph-4-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=126920106&loc=SL49130543-203045)Reference 9: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-42-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9054-108599>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-40-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9031-108599>Reference 11: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-924-SubTopic-10-Section-599-Paragraph-1-Subparagraph\(SAB-Topic-11-L\)-URI-https://asc.fasb.org/extlink&oid=6472922&loc=d3e499488-122856](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-924-SubTopic-10-Section-599-Paragraph-1-Subparagraph(SAB-Topic-11-L)-URI-https://asc.fasb.org/extlink&oid=6472922&loc=d3e499488-122856)Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax-Namespace-Prefix: us-gaap_Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-ReferencesNo definition available. Details Name: us-gaap_RevenuesAbstract-Namespace-Prefix: us-gaap_Data-Type: xbrli:stringItemType-Balance-Type: na-Period-Type: durationX-DefinitionThe aggregate total amount of expenses directly related to the marketing or selling of products or services. ReferencesNo definition available. Details Name: us-gaap_SellingAndMarketingExpense-Namespace-Prefix: us-gaap_Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: durationX-DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=124432515&loc=d3e3550-109257](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=124432515&loc=d3e3550-109257)Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-45-Paragraph-16-URI-https://asc.fasb.org/extlink&oid=126958026&loc=d3e1505-109256>Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding-Namespace-Prefix: us-gaap_Data-Type: xbrli:sharesItemType-Balance-Type: na-Period-Type: durationX-DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=124432515&loc=d3e3550-109257](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=124432515&loc=d3e3550-109257)Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-45-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=126958026&loc=d3e1448-109256>Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic-Namespace-Prefix: us-gaap_Data-Type: xbrli:sharesItemType-Balance-Type: na-Period-Type: durationX-Details Name: us-gaap_ClassOfWarrantOrRightAxis=crex_WarrantsInDebtAndEquityOfferingsToFinanceMergerMember-Namespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis=crex_PurchaseWarrantMember-Namespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis=crex_AmendmentToWarrantsMember-Namespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: srt_ProductOrServiceAxis=crex_HardwareMember-Namespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: srt_ProductOrServiceAxis=crex_ServiceAndOtherMember-Namespace-Prefix: Data-Type: na-Balance-Type: Period-Type: Consolidated Statements of Shareholders' Equity-USD (\$) \$ in Thousands Share-Based Payment Arrangement, Employee [Member] Common Stock [Member] Share-Based Payment Arrangement, Employee [Member] Additional Paid-in Capital [Member] Share-Based Payment Arrangement, Employee [Member] Retained Earnings [Member] Share-Based Payment Arrangement, Employee [Member] Director [Member] Common Stock [Member] Director [Member] Additional Paid-in Capital [Member] Director [Member] Retained Earnings [Member] Vendor [Member] Common Stock [Member] Vendor [Member] Additional Paid-in Capital [Member] Vendor [Member] Retained Earnings [Member] Vendor [Member] Registered Direct Offering [Member] Common Stock [Member] Registered Direct Offering [Member] Additional Paid-in Capital [Member] Registered Direct Offering [Member] Retained Earnings [Member] Registered Direct Offering [Member] Common Stock [Member] Additional Paid-in Capital [Member] Retained Earnings [Member] Total Balance (in shares) at Dec. 31, 2020 3, 641, 429 Balance at Dec. 31, 2020 \$ 109,566, 712 \$ (52, 486) \$ 4, 335 Stock based compensation (in shares) 25, 511 26, 854 Stock based compensation \$ 0 \$ 1, 494 \$ 0 \$ 1, 494 \$ 1 \$ 398 \$ 0 \$ 399 \$ 1 \$ 129 \$ 0 \$ 130 Net income \$ 0 Conversion of Disbursed Eserow Loan (in shares) 32, 382 Conversion of Disbursed Eserow Loan \$ 1 Gain on Extinguishment of Special Loan \$ 0 Shares issued (in shares) 266, 667 Shares issued \$ 8 \$ 1, 841 \$ 0 \$ 1, 849 Balance (in shares) at Dec. 31, 2021 4, 002, 843 Balance at Dec. 31, 2021 \$ 120,606, 863 (52, 254) 8, 729 Stock based compensation (in shares) 41, 369 Stock based compensation \$ 0 \$ 1, 689 \$ 0 \$ 1, 689 \$ 0 \$ 198 \$ 0 \$ 198 \$ 1 \$ 99 \$ 0 \$ 100 Shares issued and warrants exercised in private investment in public entity ("PIPE") (in shares) 2, 388, 836 Shares issued and warrants exercised in private investment in public entity ("PIPE") \$ 72.2, 206.2, 278 Shares issued in Reflect Systems, Inc. Merger (in shares) 833, 334 Shares issued in Reflect Systems, Inc. Merger \$ 25.4, 975.5, 000 Warrant repricing events (31) Warrant amendment 5, 709 5, 709 Net income \$ 0 1, 876 1, 876 Balance (in shares) at Dec. 31, 2022 7, 266, 382 Balance at Dec. 31, 2022 \$ 218, 75, 770 \$ (50, 409) \$ 25, 579X-DefinitionAmount of increase in additional paid-in capital (APIC) resulting from the amendment of warrants. ReferencesNo definition available. Details Name: crex_AdjustmentsToAdditionalPaidInCapitalAmendmentOfWarrants-Namespace-Prefix: crex_Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-DefinitionAmount of increase (decrease) in additional paid-in capital (APIC) resulting from gain on extinguishment of debt. ReferencesNo definition available. Details Name: crex_AdjustmentsToAdditionalPaidInCapitalGainOnExtinguishmentOfDebt-Namespace-Prefix: crex_Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-DefinitionAmount of increase in additional paid-in capital (APIC) resulting from the repricing of warrants. ReferencesNo definition available. Details Name: crex_AdjustmentsToAdditionalPaidInCapitalWarrantRepricing-Namespace-Prefix: crex_Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-DefinitionNumber of shares of stock issued in connection with warrants exercised during the current period. ReferencesNo definition available. Details Name: crex_StockIssuedDuringPeriodSharesWarrantsExercised-Namespace-Prefix: crex_Data-Type: xbrli:sharesItemType-Balance-Type: na-Period-Type: durationX-DefinitionValue of stock issued as a result of the exercise of warrants. ReferencesNo definition available. Details Name: crex_StockIssuedDuringPeriodValueWarrantsExercised-Namespace-Prefix: crex_Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-220-Section-599-Paragraph-1-Subparagraph\(SX-210-9-04\(22\)\)-URI-https://asc.fasb.org/extlink&oid=120399700&loc=SL114874048-224260](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-220-Section-599-Paragraph-1-Subparagraph(SX-210-9-04(22))-URI-https://asc.fasb.org/extlink&oid=120399700&loc=SL114874048-224260)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph\(f\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph(f)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599)Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-250-SubTopic-10-Section-50-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=124431687&loc=d3e22595-107794>Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-220-Section-599-Paragraph-1-Subparagraph\(SX-210-7-04\(18\)\)-URI-https://asc.fasb.org/extlink&oid=120400993&loc=SL114874131-224263](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-220-Section-599-Paragraph-1-Subparagraph(SX-210-7-04(18))-URI-https://asc.fasb.org/extlink&oid=120400993&loc=SL114874131-224263)Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-815-SubTopic-40-Section-65-Paragraph-1-Subparagraph\(f\)-URI-https://asc.fasb.org/extlink&oid=126732423&loc=SL123482106-238011](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-815-SubTopic-40-Section-65-Paragraph-1-Subparagraph(f)-URI-https://asc.fasb.org/extlink&oid=126732423&loc=SL123482106-238011)Reference 6: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-220-SubTopic-10-Section-50-Paragraph-6-URI-https://asc.fasb.org/extlink&oid=124431353&loc=SL124452729-227067>Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-10-Section-599-Paragraph-1B-Subparagraph\(SX-210-13-02\(a\)\(5\)\)-URI-https://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-10-Section-599-Paragraph-1B-Subparagraph(SX-210-13-02(a)(5))-URI-https://asc.fasb.org/extlink&oid=126975872&loc=SL124442552-122756)Reference 8: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting>

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50-Paragraph 32-Subparagraph (c)-URI https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599

Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionNumber of shares issued which are neither cancelled nor held in the treasury. ReferencesNo definition available. Details Name: us-gaap_SharesOutstanding Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: instantX-DefinitionNumber of shares of stock issued during the period pursuant to acquisitions. ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.5-02 (29))-URI https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 505-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.3-04)-URI https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.5-02.29-30)-URI https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Publisher FASB-Name Accounting Standards Codification-Topic 470-SubTopic 20-Section 50-Paragraph 1E-Subparagraph (c)-URI https://asc.fasb.org/extlink&oid=123466505&loc=SL123495348-112611Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 505-SubTopic 10-Section 50-Paragraph 3-URI https://asc.fasb.org/extlink&oid=126973232&loc=d3e21475-112644Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 505-SubTopic 10-Section 50-Paragraph 2-URI https://asc.fasb.org/extlink&oid=126973232&loc=d3e21463-112644

Details Name: us-gaap_StockIssuedDuringPeriodSharesConversionOfConvertibleSecurities Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: durationX-DefinitionNumber of new stock issued during the period. ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.5-02 (29))-URI https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 505-SubTopic 10-Section 50-Paragraph 2-URI https://asc.fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 505-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.3-04)-URI https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher FASB-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.5-02 (28))-URI https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682

Details Name: us-gaap_StockIssuedDuringPeriodSharesNewIssues Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: durationX-DefinitionNumber, after forfeiture, of shares or units issued under share-based payment

arrangement. Excludes shares or units issued under employee stock ownership plan (ESOP). 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ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=126973232&loc=d3e21463-112644>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682>Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682>Details Name: us-gaap_StockIssuedDuringPeriodValueAcquisitions-namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Definition The gross value of stock issued during the period upon the conversion of convertible securities. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=126973232&loc=d3e21463-112644>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682>Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682>Details Name: us-gaap_StockIssuedDuringPeriodValueConversionOfConvertibleSecurities-namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Definition Equity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering. 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<http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-852-SubTopic-10-Section-55-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766>Reference 9: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-310-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(SAB-Topic-4-E\)-URI-https://asc.fasb.org/extlink&oid=122038336&loc=d3e74512-122707](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-310-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(SAB-Topic-4-E)-URI-https://asc.fasb.org/extlink&oid=122038336&loc=d3e74512-122707)Reference 10: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(SX-210-5-02-\(31\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(SX-210-5-02-(31))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 11: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(SX-210-5-02-\(29\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(SX-210-5-02-(29))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 12: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(SX-210-5-02-\(28\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(SX-210-5-02-(28))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 13: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(SX-210-5-02-\(30\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(SX-210-5-02-(30))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 14: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-825-SubTopic-10-Section-50-Paragraph-28-Subparagraph-\(f\)-URI-https://asc.fasb.org/extlink&oid=122596392&loc=d3e14064-108612](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-825-SubTopic-10-Section-50-Paragraph-28-Subparagraph-(f)-URI-https://asc.fasb.org/extlink&oid=122596392&loc=d3e14064-108612)Reference 15: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-323-SubTopic-10-Section-50-Paragraph-3-Subparagraph-\(c\)-URI-https://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-323-SubTopic-10-Section-50-Paragraph-3-Subparagraph-(c)-URI-https://asc.fasb.org/extlink&oid=114001798&loc=d3e33918-111571)Details Name: us-gaap_StockholdersEquity-namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantConsolidatedStatementsOfCashFlows-USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022 Dec. 31, 2021 Operating Activities: Net income \$ 1,876 \$ 232 Adjustments to reconcile net income to be used in operating activities: Depreciation and amortization 2,833 1,364 Amortization of debt discount 1,268 Stock-based compensation 2,116 2,023 Change in excess/obsolete inventory reserve 1,275 Change in allowance for doubtful accounts Employee retention and other government credits (785) Increase in notes due to in-kind interest Non-cash receivables from in-process projects (369) Non-cash application of customer deposits to completed projects (506) Gain on forgiveness of Paycheck Protection Program (1,552) Gain on settlement of obligations (3,449) Changes in fair value of Convertible Loan (166) Business Combination, Contingent Consideration Arrangements, Change in Amount of Contingent Consideration, Liability (1,074) (0) Changes to operating assets and liabilities: Accounts receivable and unbilled receivables (3,927) (673) Inventories (1,472) Prepaid expenses and other current assets (342) Accounts payable and other current payables Deferred revenue (462) (338) Accrued expenses, net 1,112 Customer deposits 1,261 Other (47) Net cash provided by/(used in) operating activities (708) Investing activities Acquisition of business, net of cash acquired (17,186) Purchases of property and equipment (149) (19) Capitalization of internal and external labor for software development (4,140) (1,140) Net cash used in investing activities (21,475) (1,159) Financing activities Principal payments on finance leases (4) Proceeds from sale of common stock in PIPE, net of offering expenses 1,814 Proceeds from sale & exercise of pre-funded warrants in PIPE, net of offering expenses 8,295 Repayment of seller note (1,044) (100) Proceeds from common stock issuance, net of issuance costs 1,849 Net cash provided by financing activities 20,933 1,745 Decrease in Cash and Cash Equivalents (1,250) 1,057 Cash and Cash Equivalents, beginning of year 2,883 1,826 Cash and Cash Equivalents, end of year 1,633 2,883 Purchaser Warrant [Member] Adjustments to reconcile net income to be used in operating activities: Loss on debt waiver consent 1,212 (0) Change in fair value of warrant (649) Amendment to Warrants [Member] Adjustments to reconcile net income to be used in operating activities: Change in fair value of warrant (0) Warrants in Debt and Equity Offerings to Finance Merger [Member] Adjustments to reconcile net income to be used in operating activities: Change in fair value of warrant (7,902) (0) Seller Note [Member] Adjustments to reconcile net income to be used in operating activities: Gain on settlement of obligations (1,538) Other Obligation [Member] Adjustments to reconcile net income to be used in operating activities: Gain on settlement of obligations (359) Acquisition Term Loan [Member] Financing activities Proceeds from Term Loan 9,868 Term Loan 2022 [Member]

Financing activities Proceeds from Term Loan \$ 2,000 \$ 0X-DefinitionThe aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets, excluding amortization of debt discount or premium. ReferencesNo definition available. Details Name: crex_DepreciationDepletionAndAmortizationExcludingAmortizationOfDebtDiscountPremium Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of employee retention and other government credits. ReferencesNo definition available. Details Name: crex_EmployeeRetentionAndOtherGovernmentCredits Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of gain or loss from changes in fair value of debt. ReferencesNo definition available. Details Name: crex_GainLossOnChangesInFairValueOfDebt Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionRepresents amount of gain or loss on settlement of debt. ReferencesNo definition available. Details Name: crex_GainLossOnSettlementOfDebt Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe increase (decrease) during the reporting period in the amount due from customers for the credit sale of goods and services; includes accounts receivable and unbilled receivables. ReferencesNo definition available. Details Name: crex_IncreaseDecreaseInAccountsAndUnbilledReceivables Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe increase (decrease) during the reporting period in obligations arising from customer deposits. ReferencesNo definition available. Details Name: crex_IncreaseDecreaseInCustomerDeposit Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of noncash application of customer deposits to completed projects. ReferencesNo definition available. Details Name: crex_NoncashApplicationOfCustomerDepositsToCompletedProjects Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionAmount of noncash receivables from in process projects. ReferencesNo definition available. Details Name: crex_NoncashReceivablesFromInProcessProjects Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe cash inflow associated with the amount received from holders issuance and exercising their stock warrants. ReferencesNo definition available. Details Name: crex_ProceedsFromWarrantIssuanceAndExercises Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of expense related to issuance of class of warrant or right. ReferencesNo definition available. Details Name: crex_WarrantIssuanceExpense Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-DefinitionAmount of noncash expense included in interest expense to amortize debt discount and premium associated with the related debt instruments. Excludes amortization of financing costs. Alternate captions include noncash interest expense. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic835-SubTopic30-Section45-Paragraph1A-URIhttps://asc.fasb.org/extlink&oid=124435984&loc=d3e28541-108399>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section50-Paragraph1F-Subparagraph\(b\)\(2\)-URIhttps://asc.fasb.org/extlink&oid=123466505&loc=SL123495355-112611](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section50-Paragraph1F-Subparagraph(b)(2)-URIhttps://asc.fasb.org/extlink&oid=123466505&loc=SL123495355-112611)Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph\(SX210.5-03.8\)-URIhttps://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph(SX210.5-03.8)-URIhttps://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227)Details Name: us-gaap_AmortizationOfDebtDiscountPremium Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of increase (decrease) in the value of a contingent consideration liability, including, but not limited to, differences arising upon settlement. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph4-Subparagraph\(a\)\(1\)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e7008-128479](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph4-Subparagraph(a)(1)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e7008-128479)Details Name: us-gaap_BusinessCombinationContingentConsiderationArrangementsChangeInAmountOfContingentConsiderationLiability1 Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=126999549&loc=SL98516268-108586>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph24-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3521-108585>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph4-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3044-108585>Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX-DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic830-SubTopic230-Section45-Paragraph1-URIhttps://asc.fasb.org/extlink&oid=123444420&loc=d3e33268-110906>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph24-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3521-108585>Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of expense (income) related to adjustment to fair value of warrant liability. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic480-SubTopic10-Section25-Paragraph13-URIhttps://asc.fasb.org/extlink&oid=109262497&loc=d3e20148-110875>Details Name: us-gaap_FairValueAdjustmentOfWarrants Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of cash outflow for principal payment on finance lease. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph5-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918643-209977](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section45-Paragraph5-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=123391704&loc=SL77918643-209977)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section50-Paragraph4-Subparagraph\(g\)\(1\)-URIhttps://asc.fasb.org/extlink&oid=128292326&loc=SL77918686-209980](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic842-SubTopic20-Section50-Paragraph4-Subparagraph(g)(1)-URIhttps://asc.fasb.org/extlink&oid=128292326&loc=SL77918686-209980)Details Name: us-gaap_FinanceLeasePrincipalPayments Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionDifference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic50-Section40-Paragraph4-URIhttps://asc.fasb.org/extlink&oid=126972273&loc=d3e12355-112629>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic50-Section40-Paragraph2-URIhttps://asc.fasb.org/extlink&oid=126972273&loc=d3e12317-112629>Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Details Name: us-gaap_GainsLossesOnExtinguishmentOfDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe increase (decrease) during the reporting period in the aggregate amount of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Details Name: us-gaap_IncreaseDecreaseInAccountsPayable Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type:

durationX-DefinitionThe increase (decrease) during the reporting period in the aggregate amount of expenses incurred but not yet paid. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585) Details Name: us-gaap-IncreaseDecreaseInAccruedLiabilities Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of increase (decrease) in deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable. ReferencesReference 1: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585) Details Name: us-gaap-IncreaseDecreaseInDeferredRevenue Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585) Details Name: us-gaap-IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-DefinitionAmount of increase (decrease) in operating assets after deduction of operating liabilities classified as other. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585) Details Name: us-gaap-IncreaseDecreaseInOtherOperatingCapitalNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585) Details Name: us-gaap-IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionAmount of loss from reductions in inventory due to subsequent measurement adjustments, including, but not limited to, physical deterioration, obsolescence, or changes in price levels. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=116847112&loc=d3e4542-108314> Details Name: us-gaap-InventoryWriteDown Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. 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ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-24-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3521-108585> Details Name: us-gaap-NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap-NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. 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Details Name: us-gaap-NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. 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[http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph\(SX210.13-02\(a\)\(4\)\(iii\)\(A\)\)-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic10-SectionS99-Paragraph1B-Subparagraph(SX210.13-02(a)(4)(iii)(A))-URIhttps://asc.fasb.org/extlink&oid=126975872&loc=SL124442526-122756)Reference 34: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph30-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599)Reference 35: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8923-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8923-108599)Details Name: us-gaap_NetIncomeLossNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionInterest paid other than in cash for example by issuing additional debt securities. As a noncash item, it is added to net income when calculating cash provided by or used in operations using the indirect method. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Details Name: us-gaap_PaidInKindInterestNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe cash outflow associated with the acquisition of a business; net of the cash acquired from the purchase. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585)Details Name: us-gaap_PaymentsToAcquireBusinessesNetOfCashAcquiredNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585)Details Name: us-gaap_PaymentsToAcquirePropertyPlantAndEquipmentNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe cash outflow associated with the development or modification of software programs or applications for internal use (that is, not to be sold, leased or otherwise marketed to others) that qualify for capitalization. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585)Details Name: us-gaap_PaymentsToDevelopSoftwareNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionThe cash inflow from the additional capital contribution to the entity. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585)Details Name: us-gaap_ProceedsFromIssuanceOfCommonStockNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe cash inflow from a debt initially having maturity due after one year or beyond the operating cycle, if longer. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585)Details Name: us-gaap_ProceedsFromIssuanceOfLongTermDebtNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe cash inflow associated with the amount received from entity's raising of capital via private rather than public placement. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585)Details Name: us-gaap_ProceedsFromIssuanceOfPrivatePlacementNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic326-SubTopic20-Section50-Paragraph13-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=124255953&loc=SL82919249-210447](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic326-SubTopic20-Section50-Paragraph13-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=124255953&loc=SL82919249-210447)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph\(SX210.5-03\(5\)\)-URIhttps://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic220-SubTopic10-SectionS99-Paragraph2-Subparagraph(SX210.5-03(5))-URIhttps://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227)Details Name: us-gaap_ProvisionForDoubtfulAccountsNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe cash outflow for a borrowing supported by a written promise to pay an obligation. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph15-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3291-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph15-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3291-108585)Details Name: us-gaap_RepaymentsOfNotesPayableNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionAmount of noncash expense for share-based payment arrangement. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Details Name: us-gaap_ShareBasedCompensationNamespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_PurchaserWarrantMemberNamespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_SellerNoteMemberNamespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_OtherObligationMemberNamespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AcquisitionTermLoanMemberNamespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_TermLoan2022MemberNamespace Prefix: Data Type: na Balance Type: Period Type: Note 1-Nature of Organization and Operations-12 Months Ended Dec. 31, 2022 Notes to Financial Statements Organization, Consolidation and Presentation of Financial Statements Disclosure [Text

Block] NOTE 1: NATURE OF ORGANIZATION AND OPERATIONS Unless the context otherwise indicates, references in these Notes to the accompanying Consolidated Financial Statements to “we,” “us,” “our” and “the Company” refer to Creative Realities, Inc. and its subsidiaries. Nature of the Company’s Business Creative Realities, Inc. is a Minnesota corporation that provides innovative digital marketing technology and solutions to retail companies, individual retail brands, enterprises and organizations throughout the United States and in certain international markets. The Company has expertise in a broad range of existing and emerging digital marketing technologies, as well as the related media management and distribution software platforms and networks, device management, product management, customized software service layers, systems, experiences, workflows, and integrated solutions. Our technology and solutions include: digital merchandising systems and omni-channel customer engagement systems, interactive digital shopping assistants, advisors and kiosks, and other interactive marketing technologies such as mobile, social media, point-of-sale transactions, beaconing and web-based media that enable our customers to transform how they engage with consumers. We have expertise in a broad range of existing and emerging digital marketing technologies, as well as the following related aspects of our business: content, network management, and connected device software and firmware platforms; customized software service layers; hardware platforms; digital media workflows; and proprietary processes and automation tools. Our main operations are conducted directly through Creative Realities, Inc., and under our wholly owned subsidiaries Allure Global Solutions, Inc., a Georgia corporation, Creative Realities Canada, Inc., a Canadian corporation, and Reflect Systems, Inc., a Delaware corporation. Liquidity and Financial Condition The accompanying Consolidated Financial Statements have been prepared on the basis of the realization of assets and the satisfaction of liabilities and commitments in the normal course of business and do not include any adjustments to the recoverability and classifications of recorded assets and liabilities as a result of uncertainties. At December 31, 2022, we have an accumulated deficit of (\$ 50, 409), negative working capital of (\$ 2, 514) and cash of \$ 1, 633. For the year ended December 31, 2022, we incurred an operating loss of (\$ 2, 480) and cash outflows from operations of (\$ 708). Our history of operating losses and near term cash obligations are indicators of substantial doubt about our ability to continue as a going concern. We obtained a continued support letter from Slipstream Communications, LLC (“Slipstream”) through March 31, 2024, which alleviated the substantial doubt about our ability to continue as a going concern. We can provide no assurance that our ongoing operational efforts will be successful which could have a material adverse effect on our results of operations and cash flows. X- ReferencesNo definition available. Details Name: us-gaap_DislosureTextBlockAbstract-Namespae-Prefix: us-gaap_Data-Type: xbrli:stringItem-Type: Balance-Type: na-Period-Type: durationX-DefinitionThe entire disclosure for organization, consolidation and basis of presentation of financial statements disclosure. ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-205-URI-https://asc.fasb.org/topic&trid=2122149Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-810-URI-https://asc.fasb.org/topic&trid=2197479 Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsDisclosureTextBlock-Namespae-Prefix: us-gaap_Data-Type: dt-types:textBlockItem-Type: Balance-Type: na-Period-Type: durationNote 2- Summary of Significant Accounting Policies 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Significant Accounting Policies [Text Block] NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES A summary of the significant accounting policies consistently applied in the preparation of the accompanying Consolidated Financial Statements follows: 1. Basis of Presentation The accompanying Consolidated Financial Statements have been prepared in accordance with the instructions to Form 10-K and Article 8 of Regulation S-X and include all of the information and disclosures required by generally accepted accounting principles in the United States of America (“GAAP”) for annual financial reporting. The Consolidated Financial Statements include the accounts of Creative Realities, Inc. and our wholly owned subsidiaries Allure, Creative Realities (Canada), Inc., and Reflect Systems, Inc. All intercompany balances and transactions have been eliminated in consolidation, as applicable. 2. Revenue Recognition We recognize revenue in accordance with Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) 606, Revenue from Contracts with Customers, applying the five-step model. If an arrangement involves multiple performance obligations, the items are analyzed to determine the separate units of accounting, whether the items have value on a standalone basis and whether there is objective and reliable evidence of their standalone selling price. The total contract transaction price is allocated to the identified performance obligations based upon the relative standalone selling prices of the performance obligations. The standalone selling price is based on an observable price for services sold to other comparable customers, when available, or an estimated selling price using a cost-plus-margin approach. The Company estimates the amount of total contract consideration it expects to receive for variable arrangements by determining the most likely amount it expects to earn from the arrangement based on the expected quantities of services it expects to provide and the contractual pricing based on those quantities. The Company only includes some or a portion of variable consideration in the transaction price when it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Company considers the sensitivity of the estimate, its relationship and experience with the client and variable services being performed, the range of possible revenue amounts and the magnitude of the variable consideration to the overall arrangement. The Company receives variable consideration in very few instances. Revenue is recognized when a customer obtains control of promised goods or services under the terms of a contract and is measured as the amount of consideration the Company expects to receive in exchange for transferring goods or providing services. The Company does not have any material extended payment terms as payment is due at or shortly after the time of the sale, typically ranging between thirty and ninety days. Observable prices are used to determine the standalone selling price of separate performance obligations or a cost-plus-margin approach when one is not available. Sales, value-added and other taxes collected concurrently with revenue-producing activities are excluded from revenue. The Company recognizes contract assets or unbilled receivables related to revenue recognized for services completed but not yet invoiced to the clients. A contract liability is recognized as deferred revenue when the Company invoices clients in advance of performing the related services under the terms of a contract. Deferred revenue is recognized as revenue when the Company has satisfied the related performance obligation. The Company uses the practical expedient for recording an immediate expense for incremental costs of obtaining contracts, including certain design/engineering services, commissions, incentives and payroll taxes, as these incremental and recoverable costs have terms that do not exceed one year. 3. Inventories Inventories are stated at the lower of cost or net realizable value, determined by the first-in, first-out (FIFO) method, and consist of the following: December 31, December 31, 2022 2021 Raw materials, net of reserve of \$ 1, 777 and \$ 502, respectively \$ 1, 671 \$ 1, 583 Work-in-process 596 297 Total inventories \$ 2, 267 \$ 1, 880 During the year ended December 31, 2022, the Company increased its reserves for obsolete inventory by \$ 1, 275, of which \$ 1, 249 related to Safe Space Solutions. The Company is no longer actively promoting the sale of our Safe Space Solutions or purchasing inventory to support such solutions. 4. Impairment of Long-Lived Assets We review the carrying value of all long-lived assets, including property and equipment, for impairment annually as of September 30 in accordance with ASC 360, Accounting for the Impairment or Disposal of Long-Lived Assets. Under ASC 360, impairment losses are recorded whenever events or changes in circumstances indicate the carrying value of an asset may not be recoverable. If the impairment tests indicate that the carrying value of the asset is greater than the expected undiscounted cash flows to be generated by such asset, an impairment loss would be recognized. The impairment loss is determined as the amount by which the carrying value of such asset exceeds its fair value. We generally measure fair value by considering sale prices for similar assets or by discounting estimated future cash flows from such assets using an appropriate discount rate. Assets to be disposed of are carried at the lower of their carrying value or fair value less costs to sell. Considerable management judgment is necessary to estimate the fair value of assets, and accordingly, actual results could vary significantly from such estimates. 5. Basic and Diluted Income/(Loss) per Common Share Basic and diluted income/(loss) per common share for all periods presented is computed using the weighted average number of common shares outstanding. Basic weighted average shares outstanding includes only outstanding common shares. Diluted weighted average shares outstanding includes outstanding common shares and potential dilutive common shares outstanding in accordance with the treasury stock method. Shares reserved for outstanding stock options, including stock options with performance-restricted vesting, and warrants totaling approximately 7, 360, 271 and 2, 324, 007 at December 31, 2022 and 2021, respectively were excluded from the computation of income/(loss) per share as the strike price on the options and warrants were higher than the Company’s market price and therefore anti-dilutive. 6. Income Taxes Deferred income taxes are recognized in the financial statements for the tax consequences in future years of differences between the tax basis of assets and liabilities and their financial reporting amounts based on enacted tax laws and statutory tax rates. Temporary differences arise from net operating losses, differences in basis of intangibles, stock-based compensation, reserves for uncollectible accounts receivable and inventory, differences in depreciation methods, and accrued expenses. Valuation allowances are established when necessary to reduce deferred tax assets to the amount expected to be realized. The Company accounts for uncertain tax positions utilizing an established recognition threshold and measurement attributes for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. We had no uncertain tax positions as of December 31, 2022 and December 31, 2021. 7. Goodwill and Definite-Lived Intangible Assets We follow the provisions of ASC 350, Goodwill and Other Intangible Assets. Pursuant to ASC 350, goodwill acquired in a purchase business combination is not amortized, but instead tested for impairment at least annually. The Company uses an annual measurement date of September 30 to assess impairment of goodwill and indefinite-lived intangible assets, or as indicators are identified. Definite-lived intangible assets are amortized straight-line in accordance with their identified useful lives. 8. Use of Estimates The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial

statements and the reported amounts of revenues and expenses during the reporting periods. Our significant estimates include: warrant liability valuation; contingent purchase consideration valuation, the allowance for doubtful accounts, valuation allowances related to deferred taxes, the fair value of acquired assets and liabilities, the fair value of liabilities reliant upon the appraised fair value of the Company, valuation of stock-based compensation awards and other assumptions and estimates used to evaluate the recoverability of long-lived assets, goodwill and other intangible assets and the related amortization methods and periods. Actual results could differ from those estimates.

9. Property and Equipment Property and equipment are carried at cost, less accumulated depreciation and amortization. Depreciation is provided for in amounts sufficient to relate the cost of depreciable assets to operations over the estimated service lives, principally using straight-line methods. Leasehold improvements are amortized over the shorter of the life of the improvement or the lease term, using the straight-line method. Property and equipment consist of the following at December 31, 2022 and 2021: December 31, 2022 2021 Equipment \$ 138 \$ 89 Leasehold improvements 197 135 Furniture and fixtures 199 121 Other depreciable assets 124 56 Total property and equipment 658 401 Less: accumulated depreciation and amortization (457) (326) Net property and equipment \$ 201 \$ 75 The estimated useful lives used to compute depreciation and amortization are as follows: Asset class Useful life assigned (in years) Equipment 3 – 5 Furniture and fixtures 5 Leasehold improvements Shorter of 5 years or term of lease Depreciation expense was \$ 131 and \$ 109 for the years ended December 31, 2022 and 2021, respectively.

10. Research and Development and Software Development Costs Research and development expenses consist primarily of development personnel and non-employee contractor costs related to the development of new products and services, enhancement of existing products and services, quality assurance and testing. The Company capitalizes its costs incurred for additional functionality to its internal software. We capitalized approximately \$ 4, 444 and \$ 1, 140 for the years ended December 31, 2022 and 2021, respectively. These software development costs include both enhancements and upgrades of our client-based systems including functionality of our internal information systems to aid in our productivity, profitability and customer relationship management. We are amortizing these costs over 3 years once the new projects are completed and placed in service. These costs are included in intangible assets, net on the Consolidated Balance Sheets.

11. Business Combinations Accounting for acquisitions requires us to recognize separately from goodwill the assets acquired and the liabilities assumed at their acquisition date fair values. Goodwill as of the acquisition date is measured as the excess of consideration transferred over the net acquisition date fair values of the assets acquired and the liabilities assumed. While we use our best estimates and assumptions to accurately value assets acquired and liabilities assumed at the acquisition date as well as contingent consideration, where applicable, our estimates are inherently uncertain and subject to refinement. As a result, during the measurement period, which may be up to one year from the acquisition date, we may record adjustments to the assets acquired and liabilities assumed with the corresponding offset to goodwill. Upon the conclusion of the measurement period or final determination of the values of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to our Consolidated Statements of Operations.

12. Contingent Consideration The Company has contingent consideration arrangements related to certain acquisitions to potentially pay additional cash amounts in future periods based on the lack of achievement of certain share price performance goals of our common stock. Such contingent consideration arrangements are recorded at fair value and are classified as liabilities on the acquisition date and are remeasured at each reporting period in accordance with ASC 805-30-35-1 using a Monte Carlo simulation model. X-References No definition available. Details Name: us-gaap-DisclosureTextBlockAbstractNamespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-Definition The entire disclosure for all significant accounting policies of the reporting entity. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=126899994&loc=d3e18726-107790> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=126899994&loc=d3e18726-107790> Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=126899994&loc=d3e18726-107790> Details Name: us-gaap-SignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration Note 3-Recently Issued Accounting Pronouncements 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Accounting Standards Update and Change in Accounting Principle [Text Block] NOTE 3: RECENTLY ISSUED ACCOUNTING PRONOUNCEMENTS Recently adopted On January 1, 2022, we early adopted Accounting Standards Update (“ASU”) No. 2021-08, Business Combinations (Topic 805): Accounting for Contract Assets and Contract Liabilities from Contracts with Customers (ASU 2021-08), which clarifies that an acquirer of a business should recognize and measure contract assets and contract liabilities in a business combination in accordance with Accounting Standards Codification (ASC) Topic 606, Revenue from Contracts with Customers (Topic 606). The adoption of this new standard did not have a material impact on our Consolidated Financial Statements. In June 2016, the FASB issued ASU No. 2016-13, Financial Instruments — Credit Losses, which requires entities to estimate expected lifetime credit losses on financial assets and provide expanded disclosures. The main objective is to provide financial statement users with more decision-useful information about the expected credit losses on financial instruments and other commitments to extend credit held by a reporting entity at each reporting date. The amendments in this update replace the incurred loss methodology with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information to calculate credit loss estimates. For trade receivables and loans, entities will be required to estimate lifetime expected credit losses. We adopted ASU 2016-13 on January 1, 2023. The adoption of this new standard did not have a material impact on our Consolidated Financial Statements. Not yet adopted In August 2020, the FASB issued Accounting Standards Update No. 2020-06, Debt — Debt with Conversion and Other Options (Subtopic 470-20) and Derivatives and Hedging — Contracts in Entity’s Own Equity (Subtopic 815-40): Accounting for Convertible Instruments and Contracts in an Entity’s Own Equity (ASU 2020-06), which simplifies the accounting for convertible instruments by reducing the number of accounting models available for convertible debt instruments. This guidance also eliminates the treasury stock method to calculate diluted earnings per share for convertible instruments and requires the use of the if-converted method. This guidance will be effective for us in the first quarter of 2024 on a full or modified retrospective basis, with early adoption permitted. We are currently evaluating the disclosure requirements and potential impact on our Consolidated Financial Statements. X-References No definition available. Details Name: us-gaap-DisclosureTextBlockAbstractNamespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-Definition The entire disclosure for change in accounting principle. Includes, but is not limited to, nature, reason, and method of adopting amendment to accounting standards or other change in accounting principle. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-250-URI-https://asc.fasb.org/extlink&oid=126987489&loc=SL124442142-165695> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-250-URI-https://asc.fasb.org/extlink&oid=126987489&loc=SL124442142-165695> Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-310-SubTopic-20-Section-65-Paragraph-2-Subparagraph-\(d\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=126986314&loc=SL124402458-218513](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-310-SubTopic-20-Section-65-Paragraph-2-Subparagraph-(d)-(1)-URI-https://asc.fasb.org/extlink&oid=126986314&loc=SL124402458-218513) Reference 4: 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REVENUE RECOGNITION The Company applies ASC 606 for revenue recognition. The following table disaggregates the Company's revenue by major source for the years ended December 31, 2022 and 2021: Year Year Ended Ended December 31, December 31, (in thousands) 2022 2021 Hardware \$ 19,895 \$ 9,450 Services: Installation Services 5,693 2,600 Software Development Services 556 791 Media Sales 1,511 License Revenue 1,375 Managed Services 14,320 5,596 Total Services 23,455 8,987 Total Hardware and Services \$ 43,350 \$ 18,437 System hardware sales System hardware revenue is recognized generally upon shipment of the product or customer acceptance depending upon contractual arrangements with the customer in instances in which the sale of hardware is the sole performance obligation. Shipping charges billed to customers are included in hardware sales and the related shipping costs are included in hardware cost of sales. The cost of freight and shipping to the customer is recognized in cost of sales at the time of transfer of control to the customer. System hardware revenues are classified as "Hardware" within our disaggregated revenue. Installation services The Company performs outsourced installation services for customers and recognizes revenue upon completion of the installations. Installation services also includes engineering services performed as part of an installation project. When system hardware sales include installation services to be performed by the Company, the goods and services in the contract are not distinct, so the arrangement is accounted for as a single performance obligation. Our customers control the work-in-process and can make changes to the design specifications over the contract term. Revenues are recognized over time as the installation services are completed based on the relative portion of labor hours completed as a percentage of the budgeted hours for the installation. Installation services revenues are classified as "Installation Services" within our disaggregated revenue. Software design and development services Software and software license sales are revenue when a fixed fee order has been received and delivery has occurred to the customer. Revenue is recognized generally upon customer acceptance (point-in-time) of the software product and verification that it meets the required specifications. Software is delivered to customers electronically. Software design and development revenues are classified as "Software Development Services" within our disaggregated revenue. Software as a service license sales Software as a service includes revenue from software licensing and delivery in which software is licensed on a subscription basis and is centrally hosted by the Company. These services often include software updates which provide customers with rights to unspecified software product upgrades and maintenance releases and patches released during the term of the support period. Contracts for these services are generally 12-36 months in length. We account for revenue from these services in accordance with ASC 985-20-15-5 and recognize revenue ratably over the performance period. Software as a service revenue are classified as "Managed Services" within our disaggregated revenue. Software as a service perpetual license sales Perpetual license sales includes revenue from the sale of a perpetual license to customers that host their own instances of our software. These services traditionally are accompanied by the sale of maintenance and support services contracts. Perpetual license revenue is classified as "License Revenue" within our disaggregated revenue. Maintenance and support services The Company sells support services which include access to technical support personnel for software and hardware troubleshooting. The Company offers a hosting service through our network operations center, or NOC, allowing the ability to monitor and support its customers' networks 7 days a week, 24 hours a day. These contracts are generally 12-36 months in length. Revenue is recognized over the term of the agreement in proportion to the costs incurred in fulfilling performance obligations under the contract. Maintenance and Support revenues are classified as "Managed Services" within our disaggregated revenue. Maintenance and support fees are based on the level of service provided to end customers, which can range from monitoring the health of a customer's network to supporting a sophisticated web portal to managing the end-to-end hardware and software of a digital marketing system. These agreements are renewable by the customer. Rates for maintenance and support, including subsequent renewal rates, are typically established based upon a fee-per-location, per device, or a specified percentage of net software license fees as set forth in the arrangement. These contracts are generally 12-36 months in length. Revenue is recognized ratably and evenly over the service period. The Company also performs time and materials-based maintenance and repair work for customers. Revenue is recognized at a point in time when the performance obligation has been fully satisfied. Media sales Media revenues are derived from selling (i) sponsorship packages, including mobile takeover or physical presence, or (ii) advertising space to customers on digital displays or other outdoor structures, each within physical venues. We generally do not own the physical structures on which we display advertising for our customers but instead sell advertising or sponsorship opportunities on behalf of our media network owners to our brand customers. Media revenue services are recognized either on a straight-line basis over the available hours of advertising during the contracted period, or at the time of an event in the case of sponsorships. Our media revenue contracts with customers range from four weeks to three years and billing commences at the beginning of the contract term, with payment generally due within ninety (90) days of billing. For the majority of our contracts, transaction prices are explicitly stated. Any contracts with transaction prices that contain multiple performance obligations are allocated primarily based on a relative standalone selling price basis. Any deferred revenues primarily consist of revenues paid in advance of being earned. On a contract-by-contract basis, we evaluate whether we should be considered the principal (i.e., report revenues on a gross basis) or an agent (i.e., report revenues on a net basis). We are considered the principal in our arrangements and report revenues on a gross basis, wherein the amounts billed to customers are recorded as revenues and amounts paid to network owners are recorded as expenses. We are considered the principal because we control the advertising space before and after the contract term, are primarily responsible to our customers, and have discretion in pricing. For revenues generated through the

use of a subcontracted advertising agency, commissions are calculated based on a stated percentage of gross advertising revenue and reported in the Consolidated Statement of Operations within Sales and Marketing expenses. X-ReferencesNo definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-DefinitionThe entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts. 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In accordance with ASC 820-10-30, fair value is a market-based measurement that should be determined based on the assumptions that market participants would use in pricing an asset or liability. As a basis for considering such assumptions, ASC 820-10-35 establishes a three-level hierarchy that prioritizes the inputs used in measuring fair value. The three hierarchy levels are defined as follows: Level 1—Valuations based on unadjusted quoted prices in active markets for identical assets. Level 2—Valuations based on observable inputs (other than Level 1 prices), such as quoted prices for similar assets at the measurement date; quoted prices in markets that are not active; or other inputs that are observable, either directly or indirectly. Level 3—Valuations based on inputs that are unobservable and involve management judgment and the reporting entity's own assumptions about market participants and pricing. The Company previously recorded warrant liabilities that were measured at fair value on a recurring basis using a binomial option pricing model. The calculation of the fair value of the contingent consideration contains inputs which are unobservable and involve management judgment and are considered Level 3 estimates. Additionally, the separately identifiable intangible assets rely on a discounted cash flow model which utilizes inputs including the calculation of the weighted average cost of capital and management's forecast of future financial performance which are unobservable and involve management judgment and are considered Level 3 estimates. The calculation of the weighted average cost of capital and management's forecast of future financial performance utilized within our discounted cash flow model for the impairment of goodwill contains inputs which are unobservable and involve management judgment and are considered Level 3 estimates. The Convertible Loan is deemed to be a Level 3 valuation. Certain unobservable inputs into the calculation of the fair value of this liability include an estimate of the fair value of the Company at a future date using a discounted cash flow model, discount rate assumptions, and an estimation of the likelihood of conversion of the Convertible Loan. The Convertible Loan was refinanced into the Consolidation Term Loan in February 2022. The calculation of the fair value of the warrant liability contains valuation inputs which are based on observable inputs (other than Level 1 prices) and are considered Level 2 estimates. The liability warrants were converted to equity warrants effective June 30, 2022. X-ReferencesNo definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-DefinitionThe entire disclosure for the fair value of financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined), and the measurements of those instruments as well as disclosures related to the fair value of non-financial assets and liabilities. Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity; and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration; (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item; (c) policy for requiring collateral or other security and information as to accessing such collateral or security; and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election; (b) discussion of the effect of fair value changes on earnings; (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet, the aggregate carrying value of items included in the balance sheet that are not eligible for the election; (7) all other required (as defined) and desired information. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-820-SubTopic-10-Section-50-Paragraph-2> URI <https://asc.fasb.org/extlink&oid=126976982&loc=d3e19207-110258>Details Name: us-gaap-FairValueDisclosuresTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationNote 6-Supplemental Cash Flow Statement Information 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Cash Flow, Supplemental Disclosures [Text Block] NOTE 6: SUPPLEMENTAL CASH FLOW STATEMENT INFORMATION Year Ended December 31, 2022 2021 Supplemental non-cash Investing and Financing activities Capitalized software in accounts payable \$ 556 \$- Property and equipment in accounts payable \$ 11 \$- Conversion of disbursed escrow loan into common stock \$- \$ 264 Increase in debt related to financing fees \$- \$ 200 Decrease in debt discount via amended Credit Agreement \$- \$ 133 Supplemental disclosure information for cash flow Cash paid during the period for: Interest \$ 1,350 \$ 106 Income taxes, net \$ 43 \$ 32 X-DefinitionThe entire disclosure for supplemental cash flow activities, including cash, noncash, and part noncash transactions, for the period. Noncash is defined as information about all investing and financing activities of an enterprise during a period that affect recognized assets or liabilities but that do not result in cash receipts or cash payments in the period. Part noncash refers to that portion of the transaction not resulting in cash receipts or cash payments in the period. ReferencesReference 1: <http://www.fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230> URI <https://asc.fasb.org/topic&trid=2134446>Details Name: us-gaap-CashFlowSupplementalDisclosuresTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: durationNote 7-Intangible Assets and Goodwill 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Goodwill and Intangible Assets Disclosure [Text Block] NOTE 7: INTANGIBLE ASSETS AND GOODWILL Intangible assets consisted of the following at December 31, 2022 and December 31, 2021: December 31, 2022 2021 Gross Gross Carrying Accumulated Carrying Accumulated Amount Amortization Amount Amortization Technology platform \$ 9,765 4,354 \$ 4,635 3,652 Purchased and developed software 4,682 3,375 3,488 2,713 In-Process internally developed software platform 4,074 824 Customer relationships 15,000 2,849 2,960 1,692 Trademarks and trade names 1,600 808 640 640 Noncompete 30 13-- Total amortizable intangible assets 35,151 11,399 13,547 8,697 Accumulated amortization 11,399 8,697 Net book value of amortizable intangible assets \$ 23,752 \$ 4,850 For the years ended December 31, 2022 and 2021, amortization of intangible assets charged to operations was \$ 2,702 and \$ 1,251, respectively. For the year ended December 31, 2021, the Company wrote-off a \$ 380 fully amortized trade name asset and a \$ 1,370 fully amortized customer list asset and the related accumulated amortization for each related to a former wholly owned subsidiary of the Company, ConeXus World Global, LLC, an entity dissolved by the Company during 2021. There was no impact on the Company's Consolidated Balance Sheet or Consolidated Statement of Operations during the period. On February 17, 2022, the Company acquired intangible assets as a result of the Merger in accordance with ASC 805-Business Combinations. Estimated amortization is as follows: Estimated Future Year ending December 31, Amortization 2023 \$ 3,272 2024 3,109 2025 2,875 2026 2,408 Thereafter 12,088

Intangible assets include the following and are being amortized over their estimated useful lives as follows: Amortization Period: Acquired Intangible Asset: (years) Technology platform and patents 7–10 Purchased and developed software 3–5 Trade names 3–5 Customer relationships 3–15 Noncompete 2 Goodwill Goodwill represents the excess of the purchase price over the fair value of net assets acquired. Goodwill is subject to an impairment review at a reporting unit level, on an annual basis as of the end of September of each fiscal year, or when an event occurs, or circumstances change that would indicate potential impairment. The Company has only one reporting unit, and therefore the entire goodwill is allocated to that reporting unit. The Company assessed the carrying value of goodwill at the reporting unit level based on an estimate of the fair value of the respective reporting unit. Fair value of the reporting unit was estimated using a discounted cash flow analyses consisting of various assumptions, including expectations of future cash flows based on projections or forecasts derived from analysis of business prospects and economic or market trends that may occur, specifically, the Company gave significant consideration to actual historic financial results, including revenue growth rates in the preceding three years. Based on the Company's assessment, we determined that the fair value of our reporting unit exceeds its carrying value, and accordingly, the goodwill associated with the reporting unit was not considered to be impaired at September 30, 2022. At December 31, 2022, we concluded the decline in our market value represented an interim indicator of potential impairment. Based on a quantitative assessment of our fair value performed at December 31, 2022, using the same approach as our annual impairment performed at September 30, described above, we concluded that the carrying value of our goodwill did not exceed the reporting unit fair value. While our overall business performance has been consistent with our expectations, both before and after the acquisition of Reflect, we believe a significant portion of the decline in our market price relates primarily to several macroeconomic factors including: (1) market wide recessionary fears, (2) rapid inflation fears, which often have an outsized, direct negative impact on the share price of high-growth companies with limited or negative cash flow from operations, (3) a lack of comprehension by the markets of the recent Merger with Reflect and related financing transaction, and (4) the sale of over 2,333,334 shares of our common stock into the market by a new investor, resulting in significant negative volume and price pressure on the stock unrelated to the Company fundamentals. We do not believe these factors are consistent with or reflective of the underlying value of the business, and there were no other indicators of potential impairment as of December 31, 2022. Should our market price remain at this level for an extended period of time; however, there could be potential future impairment. The Company recognizes that any changes in our projected 2023 and future results could potentially have a material impact on our assessment of goodwill impairment. The Company will continue to monitor the actual performance of its operations against expectations and assess further indicators of possible impairment. The valuation of goodwill and intangible assets is subject to a high degree of judgment, uncertainty and complexity. Should any indicators of impairment occur in subsequent periods, the Company will be required to perform an analysis in order to determine whether goodwill is impaired. X-References No definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-Definition The entire disclosure for goodwill and intangible assets. References Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-URL-https://asc.fasb.org/topic&trid=2144416 Details Name: us-gaap-GoodwillAndIntangibleAssetsDisclosureTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration Note 8-Loans Payable 12-Months Ended Dec. 31, 2022 Notes to Financial Statements Debt Disclosure [Text Block] NOTE 8: LOANS PAYABLE The outstanding debt with detachable warrants, as applicable, are shown in the table below. Further discussion of the notes follows. As of December 31, 2022 Issuance Maturity Interest Rate Debt Type Date Principal Date Warrants Information A 2/17/2022 \$ 10,000 2/15/2025 833,334 8.0% interest (1) B 2/17/2022 1,456 2/17/2024 0.59% interest (2) C 2/17/2022 7,185 2/15/2025 898,165 10.0% interest (3) D 10/31/2022 2,000 9/1/2023 12.5% interest (4) Total debt, gross 20,641 1,731,499 Debt discount (3,069) Total debt, net \$ 17,572 Less current maturities (4,499) Long term debt \$ 13,073 As of December 31, 2021 Issuance Maturity Interest Rate Debt Type Date Principal Date Warrants Information E 8/17/2016 \$ 4,767 2/17/2025 196,079 8.0% interest (5) F 12/30/2019 2,418 2/17/2025 10.0% interest (5) Total debt, gross 7,185 196,079 Fair value (166) Total debt, gross 7,019 Debt discount (144) Total debt, net \$ 6,875 Less current maturities Long term debt \$ 6,875 A—Acquisition Term Loan with related party B—Secured Promissory Note C—Consolidation Term Loan with related party D—Term Loan (2022) with related party E—Senior Secured Term Loan with related party F—Secured Convertible Special Loan Promissory Note, at fair value, with related party (1) 8.0% cash interest per annum through maturity at February 15, 2025 (2) 0.59% cash interest per annum (the applicable federal rate) through February 17, 2023. Annual interest rate on the outstanding principal increased from 0.59% to 4.60% per annum through maturity at February 17, 2024. (3) 10.0% cash interest per annum through maturity date at February 15, 2025. (4) 12.5% cash interest per annum through maturity at September 1, 2023. (5) Interest was paid-in-kind ("PIK") through October 2021, at which point interest became payable in cash at the stated interest rates through maturity. Secured Promissory Note On February 17, 2022, in connection with the closing of the Merger, the Company issued to RSI Exit Corporation ("Stockholders' Representative"), the representative of Reflect stockholders, a \$ 2,500 Note and Security Agreement (the "Secured Promissory Note"). The Secured Promissory Note accrues interest at 0.59% per annum (the applicable federal rate on the date of issuance of the Secured Promissory Note) and requires the Company and Reflect to collectively pay equal monthly principal installments of \$ 104 on the fifteenth (15th) day of each month, commencing on March 15, 2022. Any remaining or unpaid principal shall be due and payable on February 17, 2023. All payments under the Secured Promissory Note will be paid to the escrow agent in the Merger Agreement to be placed into the escrow account to secure the Reflect stockholders' indemnification obligations until released on February 17, 2023 (the one-year anniversary of the closing of the Merger), at which time any remaining proceeds not subject to a pending indemnification claim will be paid to the exchange agent for payment to the Reflect Stockholders. The Secured Promissory Note is secured by a first-lien security interest in certain contracts of Reflect, including obligations arising out of those certain contracts. The Company has the right to offset amounts payable under the Secured Promissory Note upon a final, non-appealable decision of a court that entitles the Company or its affiliates to any damages for indemnification under the Merger Agreement, or the Stockholders' Representative's agreement in writing to such damages. On February 11, 2023, the Company and the Stockholders' Representative executed an amendment (the "Note Amendment") to the Secured Promissory Note. The Note Amendment eliminates the balloon payment, extending the maturity date for a one-year period, to February 17, 2024. During the extended period, the Company will continue to make monthly principal payments of \$ 104, and the annual interest rate on the outstanding principal increased from 0.59% to 4.60%, which will accrue and is payable in full on the new maturity date. Second Amended and Restated Loan and Security Agreement On February 17, 2022, the Company and its subsidiaries (collectively, the "Borrowers") refinanced their debt facilities with Slipstream Communications, LLC ("Slipstream"), pursuant to a Second Amended and Restated Credit and Security Agreement (the "Credit Agreement"). The Borrowers include Reflect Systems, Inc. ("Reflect"), which became a wholly owned subsidiary of the Company as a result of the closing of the Merger on February 17, 2022. The debt facilities continue to be fully secured by all assets of the Borrowers. The Credit Agreement also provides that the Company's outstanding loans from Slipstream at December 31, 2021, consisting of its pre-existing \$ 4,767 senior secured term loan and \$ 2,418 secured convertible loan, with an aggregate of \$ 7,185 in outstanding principal and accrued and unpaid interest under such loans, were consolidated into a term loan (the "Consolidation Term Loan"). The Consolidation Term Loan has an interest rate of 10.0%, with 75.0% warrant coverage (or 898,165 warrants). On the first day of each month, commencing March 1, 2022 through February 1, 2025, the Borrowers will make interest-only payments on the Consolidation Term Loan. Commencing on September 1, 2023, and on the first day of each month thereafter until the Maturity Date, the Borrowers will make a payment on the Consolidation Term Loan, in an equal monthly installment of principal sufficient to fully amortize the Consolidation Term Loan in eighteen equal installments. The Company assessed the combination of the pre-existing senior secured term loan and secured convertible loan in accordance with ASC 470 Debt and determined the transaction should be accounted for as an extinguishment, in part as the Consolidation Term Loan eliminated a substantive conversion feature. In aggregate the Company recorded a loss on extinguishment of \$ 295, primarily associated with the write-off of pre-existing debt discounts. In addition to refinancing the existing debt with Slipstream, the Company issued to Slipstream a \$ 10,000, 36-month senior secured term loan (the "Acquisition Term Loan") resulting in \$ 10,000 in gross proceeds, or \$ 9,950 in net proceeds. The Acquisition Term Loan matures on February 17, 2025 (the "Maturity Date") and has an interest rate of 8.0%, with 50.0% warrant coverage (or 833,334 warrants). On the first day of each month, commencing March 1, 2022 through February 1, 2025, the Borrowers will make interest-only payments on the Acquisition Term Loan. No principal payments on the Acquisition Term Loan are payable until the Maturity Date. In connection with the Acquisition Term Loan and Consolidation Term Loan warrant coverage, the Company issued to Slipstream a warrant to purchase an aggregate of 1,731,499 shares of Company common stock (the "Lender Warrant"). The Lender Warrant has a five-year term, an initial exercise price of \$ 6.00 per share, subject to adjustments in the Lender Warrant, and is not exercisable until August 17, 2022. The warrants were assessed in accordance with ASC 470 and ASC 815 Derivatives and were deemed to represent bifurcated derivative instruments that should be recorded as liabilities in the Condensed Consolidated Balance Sheets. The Company performed a Black-Scholes valuation of the warrants as of the issuance date, resulting in a fair value of \$ 2.4387 per warrant. In recording the warrant liability, the Company recorded a debt discount associated with each of the Acquisition and Consolidation Term Loans in an amount of \$ 2,032 and \$ 2,190, respectively. These amounts are being amortized straight-line through interest expense over the life of the loans, resulting in incremental interest expense of \$ 1,267 during the year ended December 31, 2022. The Company has deemed straight-line amortization to be materially consistent with the effective interest method. In certain circumstances, upon a fundamental transaction of the Company (e.g., a disposal or sale of all or the greater part of the assets or undertaking of the Company, an amalgamation or merger

with another company, or implementation of a scheme of arrangement), the holder of the Lender Warrant will have the right to require the Company to repurchase the Lender Warrant at its fair value using a Black Scholes option pricing formula; provided that such holder may not require the Company or its successor entity to repurchase the Lender Warrant for the Black Scholes value in connection with a fundamental transaction that is not approved by the Company's Board of Directors, and therefore not within the Company's control. Effective June 30, 2022, the Company amended the terms of the Lender Warrant to remove the holder's option to exercise such warrant on a cashless basis utilizing the volume-weighted average price ("VWAP") of the Company's common stock on the trading day immediately preceding the date of a notice of cashless exercise in certain circumstances, and remove the condition to exercising such warrant that the Company's shareholders approve the exercise thereof (which has already been obtained). The amendments to the Lender Warrant also extend the term of such warrants for an additional one year, such that the Lender Warrant will expire on February 17, 2028. The foregoing amendments to the Lender Warrant caused such warrants to be accounted for as equity instruments in the Company's Consolidated Financial Statements. On October 31, 2022, the Borrowers and Slipstream amended the Credit Agreement to provide the Borrowers with a \$ 2,000 term loan ("Term Loan (2022)"), the net proceeds of which are being used by the Company to accelerate an active software development project with potential to expand SaaS revenues associated with an existing customer. The term loan has an annual interest rate of 12.5 % and matures on September 1, 2023. Commencing on February 1, 2023, the Borrowers will make monthly installment payments of approximately \$ 270 until the maturity date, consisting of principal and interest sufficient to fully amortize the term loan through the maturity date. Loan and Security Agreement History Prior to the execution of the Credit Agreement, Borrower and Slipstream were parties to a Loan and Security Agreement. On March 7, 2021, On February 28, 2021, January 31, 2021, December 31, 2020, November 30, 2020, and September 29, 2020, the parties entered into several amendments to the Loan and Security Agreement to amend the automatic conversion date of the Special Loan and, later, to eliminate the conversion feature. Each amendment extended the automatic conversion date of the Special Loan. The Company paid no fees in exchange for these extensions, with the exception of the March 7, 2021 extension which resulted in the Company recording of \$ 133 of incremental debt discount, a net gain of \$ 26 via the extinguishment of the Special Loan, and expense of \$ 69 of costs incurred with third parties as a result of extinguishment of the Special Loan, modification of the New Term Loan, and extinguishment of the Disbursed Eserow Loan. Secured Disbursed Eserow Promissory Note The Fourth Amendment to the Loan and Security Agreement included entry into a Secured Disbursed Eserow Promissory Note between the Company and Slipstream, and, effective June 30, 2018, we drew \$ 264 in conjunction with our exit from a previously leased operating facility. The principal amount of the Secured Disbursed Eserow Promissory Note bears no interest. Upon entry into the Prior Credit Agreement on March 7, 2021, this note was converted into Disbursed Eserow Conversion Shares, with elimination of the debt recorded as an equity issuance within the Statements of Shareholders' Equity. SBA Paycheck Protection Program Loan On April 27, 2020, the Company entered into a Promissory Note with Old National Bank (the "Promissory Note"), which provided for an unsecured loan of \$ 1,552 (the "PPP Loan") pursuant to the Paycheck Protection Program under the Coronavirus Aid, Relief, and Economic Security Act and applicable regulations (the "CARES Act"). The Promissory Note had a term of two years with a 1 % per annum interest rate. On January 11, 2021, the Company received a notice from Old National Bank that the full principal amount of the PPP Loan and the accrued interest have been forgiven, resulting in a gain of \$ 1,552 during the year ended December 31, 2021. Amended and Restated Seller Note from acquisition of Allure The Amended and Restated Seller Note represented a note payable due from Allure to Seller, under a pre-existing Seller Note which was amended and restated to a reduced amount of \$ 1,637 through the Stock Purchase Agreement and a subsequent net working capital adjustment. That debt accrued interest at 3.5 % per annum, and required us to make quarterly payments of interest only through February 19, 2020, on which date the promissory note matured and all remaining amounts owing thereunder became due. On February 20, 2020, Creative Realities, Inc. and Allure made a demand for arbitration against Seller for (1) breach of contract, (2) indemnification, and (3) fraudulent misrepresentation under the Allure Purchase Agreement. On May 13, 2021, the Company and Seller entered into a settlement agreement wherein neither party admitted liability, and the Company agreed to pay, and Seller agreed to accept, \$ 100 as settlement in full for the outstanding balance of principal and accrued interest under the Amended and Restated Seller Note and a mutual release of all claims related to the Amended and Restated Seller Note and sale transaction under the Allure Purchase Agreement and all related agreements. As a result of this settlement, the full principal amount of the Seller Note and the accrued interest were eliminated, resulting in a gain in the Consolidated Financial Statements of \$ 1,624, representing \$ 1,538 related to the Seller Note and \$ 86 of related interest thereon, during 2021. X-Definition The entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-URI-https://asc.fasb.org/topic&trid=2208564> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-\(h\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-(h)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1C-Subparagraph-\(e\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495334-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1C-Subparagraph-(e)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495334-112611) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1I-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495371-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1I-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495371-112611) Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1I-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495371-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1I-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495371-112611) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-4-08-\(e\)\)-URI-https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-4-08-(e))-URI-https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690) Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-\(g\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-(g)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611) Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1C-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495334-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1C-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495334-112611) Reference 9: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1C-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495334-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1C-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495334-112611) Reference 10: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1E-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495348-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1E-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495348-112611) Reference 11: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611> Reference 12: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1I-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495371-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1I-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495371-112611) Reference 13: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-\(i\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-(i)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611) Details Name: us-gaap-DebtDisclosureTextBlock Namespace Prefix: us-gaap-Data Type: dti-types:textBlockItem Type Balance Type: na-Period Type: durationX-References No definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na-Period Type: duration Note 9- Commitments and Contingencies 12-Months Ended Dec. 31, 2022 Notes to Financial Statements Commitments and Contingencies Disclosure [Text Block] NOTE 9- COMMITMENTS AND CONTINGENCIES Litigation On August 2, 2019, the Company filed suit in Jefferson Circuit Court, Kentucky, against a supplier of the Company's wholly-owned subsidiary, Allure Global Solutions, Inc. ("Allure") for breach of contract, breach of warranty, and negligence with respect to equipment installations performed by such supplier for an Allure customer. On October 10, 2019, the Allure customer that is the basis of our claim above sent a demand to the Company for payment of \$ 3,200 as settlement for an alleged breach of contract related to hardware failures of equipment installations performed by Allure between November 2017 and August 2018. On March 10, 2023, the Company, the supplier and the Allure customer reached a Settlement Agreement and Release of Claims ("Settlement Agreement"). Pursuant to the Settlement Agreement, the Company is obligated to pay \$ 733; however, its insurer has agreed to pay \$ 700 of that amount. Thus, the Company is obligated to pay \$ 33 of the settlement amount. On February 20, 2020, Creative Realities, Inc. and Allure made a demand for arbitration against Seller for (1) breach of contract, (2) indemnification, and (3) fraudulent misrepresentation under the Allure Purchase Agreement. This demand included a claim for the right to offset the amounts owing under the Amended and Restated Seller Note due February 20, 2020. The Company did not pay the Amended and Restated Seller Note on its maturity date. On February 27, 2020, Seller sent the Company a notice of breach for failure to pay the Amended and Restated Seller Note on the maturity date of February 20, 2020 and demanding immediate payment. On September 11, 2020, the Company served a First Amended Demand in the arbitration with Seller, and on November 5, 2020, Seller presented a Motion for Summary Disposition in the arbitration demanding payment of the Amended and Restated Seller Note and accrued interest. On May 13, 2021,

the Company and Seller entered into a settlement agreement wherein neither party admitted liability, and the Company agreed to pay, and Seller agreed to accept, \$ 100 as settlement in full for the outstanding balance of principal and accrued interest under the Amended and Restated Seller Note and a mutual release of all claims related to the Amended and Restated Seller Note and sale transaction under the Allure Purchase Agreement and all related agreements. The Company recorded a gain on settlement of obligations of \$ 1, 624 during 2021 upon settlement. Except as noted above, the Company is not party to any other material legal proceedings, other than ordinary routine litigation incidental to the business, and there were no other such proceedings pending during the period covered by this Annual Report.

Settlement of obligations There were no individually material settlements during the year ended December 31, 2022. During 2021, (i) the full principal amount of the PPP Loan and the accrued interest of \$ 1, 552 were forgiven and recorded as a gain on settlement, (ii) the Company settled the Amended and Restated Seller Note and related accrued interest for \$ 100, recording a gain on settlement of \$ 1, 624, representing \$ 1, 538 related to the Amended and Restated Seller Note and \$ 86 of related interest thereon, and (iii) the statute of limitations passed related to the remaining liability on a lease abandoned by the Company in 2015, resulting in a gain of \$ 256. During the year ended December 31, 2021, the Company settled and/or wrote off obligations of \$ 348 for aggregate cash payments of \$ 139 and recognized a gain of \$ 209 related to legacy accounts payable deemed to no longer be legal obligations to vendors. X- Definition The entire disclosure for commitments and contingencies. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-440-URI-https://asc.fasb.org/topic&trid=2144648> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-954-SubTopic-440-Section-50-Paragraph-1-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=6491277&loc=d3e6429-115629](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-954-SubTopic-440-Section-50-Paragraph-1-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=6491277&loc=d3e6429-115629) Reference 3: <http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-450-URI-https://asc.fasb.org/topic&trid=2127136> Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-440-SubTopic-10-Section-50-Paragraph-4-Subparagraph-\(c\)-URI-https://asc.fasb.org/extlink&oid=123406679&loc=d3e25336-109308](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-440-SubTopic-10-Section-50-Paragraph-4-Subparagraph-(c)-URI-https://asc.fasb.org/extlink&oid=123406679&loc=d3e25336-109308) Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-440-SubTopic-10-Section-50-Paragraph-4-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=123406679&loc=d3e25336-109308](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-440-SubTopic-10-Section-50-Paragraph-4-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=123406679&loc=d3e25336-109308) Details Name: us-gaap-CommitmentsAndContingenciesDisclosureTextBlock Namespace Prefix: us-gaap-Data Type: dt- types: textBlock ItemType Balance Type: na Period Type: durationX- RefereneesNo definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: duration Note 10- Business Combination 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Business Combination Disclosure [Text Block] NOTE 10: BUSINESS COMBINATION On November 12, 2021, the Company and Reflect Systems, Inc., or "Reflect," entered into an Agreement and Plan of Merger (as amended on February 8, 2022 and February 11, 2023, the "Merger Agreement") pursuant to which a direct, wholly owned subsidiary of Creative Realities, CRI Acquisition Corporation, or "Merger Sub," would merge with and into Reflect, with Reflect surviving the merger and becoming our wholly owned subsidiary, which transaction is referred to herein as the "Merger." On February 17, 2022, the parties consummated the Merger. Reflect provides digital signage solutions, including software, strategic and media services to a wide range of companies across the retail, financial, hospitality and entertainment, healthcare, and employee communications industries in North America. Reflect offers digital signage platforms, including ReflectView, a platform used by companies to power hundreds of thousands of active digital displays. Through its strategic services, Reflect assists its customers with designing, deploying and optimizing their digital signage networks, and through its media services, Reflect assists customers with monetizing their digital advertising networks. Subject to the terms and conditions of the Merger Agreement, upon the closing of the Merger, Reflect stockholders as of the effective time of the Merger collectively received from the Company, in the aggregate, the following Merger consideration: (i) \$ 16, 166 in cash, (ii) 777, 778 shares of common stock of Creative Realities (valued based on an issuance price of \$ 6 per share) (the "CREX Shares"), (iii) the Secured Promissory Note (as described below), and (iv) supplemental cash payments (the "Guaranteed Consideration"), if any, payable on or after February 17, 2025 (subject to the Extension Option described below, the "Guarantee Date"), in an amount by which the value of the CREX Shares on such anniversary is less than \$ 19. 20 per share, or if certain customers of Reflect collectively achieve over 85, 000 billable devices online at any time on or before December 31, 2022, is less than \$ 21. 60 per share (such applicable amount, the "Guaranteed Price"), multiplied by the amount of CREX Shares held by the Reflect stockholders on the Guarantee Date (subject to the Extension Option described below). At or before December 31, 2022, the condition of certain customers of Reflect collectively to achieve over 85, 000 billable devices online was not met. Accordingly, the contingent cash payment amount was reduced at December 31, 2022 from \$ 21. 60 per share to \$ 19. 20 per share, a reduction of \$ 2. 40 per share. The Company may exercise an extension option (the "Extension Option") to extend the Guarantee Date by six (6) months, from February 17, 2025 to August 17, 2025, if (i) the Extension Threshold Price is greater than or equal to 70% of the Guaranteed Price described above, and (ii) the Company provides written notice of its election to exercise the Extension Option no later than February 7, 2025. The "Extension Threshold Price" means the average closing price per share of Creative Realities common stock as reported on the Nasdaq Capital Market (or NYSE) in the fifteen (15) consecutive trading day period ending February 2, 2025. If the Extension Threshold Price is less than 80% of the Guaranteed Price, then the Guaranteed Price will be increased by \$ 3. 00 per share. In connection with the Merger, the Company adopted a Retention Bonus Plan and raised capital to, among other things, pay the cash portion of the Merger consideration. The Retention Bonus Plan is described below. Retention Bonus Plan On February 17, 2022, in connection with the closing of the Merger (the "Closing"), the Company adopted a Retention Bonus Plan, pursuant to which the Company is required to pay to key members of Reflect's management team an aggregate of \$ 1, 334 in cash, which was paid 50% at the Closing, and subject to continuous employment with Reflect or Creative Realities, 25% will be paid on February 17, 2023 (the one-year anniversary of Closing) and 25% will be paid on February 17, 2024 (the two-year anniversary of the Closing). The future cash payments due on the one-year and two-year anniversaries of the Closing have been deposited into an escrow agreement. The Retention Bonus Plan also requires the Company to issue Common Stock having an aggregate value of \$ 667 to the plan participants as follows: 50% of the value of such shares were issued at the Closing, and subject to continuous employment with Reflect or Creative Realities, 25% of the value of such shares will be issued on February 17, 2023 (the one-year anniversary of Closing) and the remaining 25% of the value of such shares will be issued on February 17, 2024 (the two-year anniversary of the Closing). The shares issued on the Closing were valued at \$ 6. 00 per share, and the shares to be issued after the Closing will be determined based on dividing the value of shares issuable on such date divided by the trailing 10-day volume weighted average price (VWAP) of the shares as of such date as reported on the Nasdaq Capital Market. Upon the resignation of a participant's employment for "good reason," or termination of the employment of a participant without "cause," each as defined in the Retention Bonus Plan, the participant will be fully vested and will receive all cash and shares allocated to such participant under the Retention Bonus Plan. Any amounts unpaid by reason of a lapse in continuous employment or otherwise will be reallocated among the remaining Retention Bonus Plan participants. Purchase price The preliminary purchase price of Reflect consisted of the following items: (in thousands) Consideration Cash consideration for Reflect stock (1) \$ 16, 664 Cash consideration for Retention Bonus Plan (2) 1, 334 Common stock issued to Reflect shareholders (3) 4, 667 Common stock issued to Retention Bonus Plan (4) 333 Secured Promissory Note (5) 2, 500 Earnout liability (6) 10, 862 Total consideration 36, 360 Vendor deposit with the Company (7) (818) Cash acquired (8) (812) Net consideration transferred \$ 34, 730 (1) Cash consideration for outstanding shares of Reflect capital stock per Merger Agreement. (2) Cash consideration utilized to fund the Retention Bonus Plan per Merger Agreement. (3) Company common stock issued in exchange for outstanding shares of Reflect capital stock per Merger Agreement. (4) Company common stock issued to fund the Retention Bonus Plan per Merger Agreement (5) The Secured Promissory Note accrues interest at 0. 59% (the applicable federal rate at the time of issuance of the Secured Promissory Note) and requires the Company and Reflect to collectively pay equal monthly principal installments of \$ 104 on the fifteenth (15th) day of each month, commencing on March 15, 2022. Any remaining or unpaid principal shall be due and payable on February 17, 2022. (6) Represents an estimate of the fair value of the Guaranteed Consideration as of the Merger, which, if any, is payable on or after February 17, 2025 (subject to the Extension Option); in an amount by which the value of the CREX Shares on such anniversary is less than \$ 19. 20 per share, or if certain customers of Reflect collectively achieve over 85, 000 billable devices online at any time on or before December 31, 2022, is less than \$ 21. 60 per share (such applicable amount, the "Guaranteed Price"), multiplied by the amount of CREX Shares held by the Reflect stockholders on the Guarantee Date (subject to the Extension Option), subject to the terms of the Merger Agreement. At September 30, 2022, the Company's third party specialist completed valuation of this contingent liability as of the opening balance sheet date, resulting in a measurement period adjustment recorded to increase goodwill and the contingent liability as of February 17, 2022 by \$ 5, 262. (7) Prior to the Merger, Reflect had engaged the Company on a project and paid the Company a deposit of \$ 818. These amounts reduced consideration paid by the Company in accordance with ASC 805. (8) Represents the Reflect cash balance acquired at Closing. The Company incurred \$ 444 of direct transaction costs related to the Reflect Merger for the year ended December 31, 2022. These costs are included in deal and transaction expense in the accompanying Consolidated Statements of Operations. The Company accounted for the Merger using the acquisition method of accounting. The preliminary allocation of the purchase price is based on estimates of the fair value of assets acquired and liabilities assumed as of February 17, 2022. The Company is continuing to obtain information to determine the acquired assets and liabilities, including tax assets, liabilities and other attributes. The components of the preliminary purchase price allocation, inclusive of measurement period adjustments recorded by the Company during the year ended December 31, 2022, are as follows: (in thousands) Total Accounts receivable \$ 1, 359 Inventory 190 Prepaid expenses & other current assets 666 Property and equipment 96 Operating right of use assets 493 Other assets 36

Identified intangible assets: Definite-lived trade names 960 Definite-lived developed technology 5, 130 Definite-lived customer relationships 11, 040 Definite-lived noncompete agreements 30 Goodwill 18, 935 Accounts payable (104) Accrued expenses (483) Customer deposits (1, 661) Deferred revenues (1, 259) Current maturities of operating leases (277) Long-term obligations under operating leases (216) Other liabilities (205) Net consideration transferred \$ 34, 730 The Company engaged a third-party valuation specialist to assist in the identification and calculation of the fair value of those separately identifiable intangible assets. The Company completed its valuation procedures by asset utilizing the following approaches: (1) Customer relationship asset was estimated using the income approach through a discounted cash flow analysis wherein the cash flows will be based on estimates used to price the Merger. Discount rates were benchmarked with reference to the implied rate of return from the Company's pricing model and the weighted average cost of capital. (2) Trade name asset represents the "Reflect" brand name as marketed primarily as a full services digital software solution, marketed in numerous verticals with the exception of food service. The Company applied the income approach through an excess earnings analysis to determine the fair value of the trade name asset. The Company applied the income approach through a relief-from-royalty analysis to determine the fair value of this asset. (3) The developed technology assets are primarily comprised of know-how and functionality embedded in Reflect's proprietary content management applications, which drive currently marketed products and services. The Company applied the income approach through a relief-from-royalty analysis to determine the preliminary fair value of this asset. The Company is amortizing the identifiable intangible assets on a straight-line basis over the weighted average lives ranging from 2 to 10 years as outlined in the table below. The table below sets forth the valuation and amortization period of identifiable intangible assets: Amortization (in thousands) Valuation Period Identifiable definite-lived intangible assets: Trade names \$ 960 5 years Developed technology 5, 130 10 years Noncompete 30 2 years Customer relationships 11, 040 10 years Total \$ 17, 160 The Company estimated the preliminary fair value of the acquired property, plant and equipment using a combination of the cost and market approaches, depending on the component. The preliminary fair value of such property, plant and equipment is \$ 96. The excess of the purchase price over the preliminary estimated fair value of the tangible net assets and identifiable intangible assets acquired was recorded as goodwill and is subject to change upon final valuation. The factors contributing to the recognition of the amount of goodwill are based on several strategic and synergistic benefits that are expected to be realized from the Merger. These benefits include a comprehensive portfolio of iconic customer brands, complementary product offerings, enhanced national footprint, and attractive synergy opportunities and value creation. None of the goodwill is expected to be deductible for income tax purposes. The following unaudited pro forma information presents the combined financial results for the Company and Reflect as if the Merger had been completed at the beginning of the Company's prior year, January 1, 2021. (in thousands, except earnings per common share) 2021 Net sales \$ 30, 680 Net income \$ 799 Earnings per common share \$ 0. 06 The information above does not include the pro forma adjustments that would be required under Regulation S-X for pro forma financial information and does not reflect future events that may occur after December 31, 2021 or any operating efficiencies or inefficiencies that may result from the Merger and related financings. Therefore, the information is not necessarily indicative of results that would have been achieved had the businesses been combined during the periods presented or the results that the Company will experience going forward. We have not included disaggregated information for Reflect on a standalone basis in the current year for either revenue or net income as the integration activities undertaken by the Company have prevented this information from being useful to financial statement readers. Year Ended December 31, Reflect Systems, Inc. (in thousands) 2021 Net sales \$ 12, 243 Net (loss) income \$ 567 X-Definition The entire disclosure for a business combination (or series of individually immaterial business combinations) completed during the period, including background, timing, and recognized assets and liabilities. The disclosure may include leverage buyout transactions (as applicable). References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-URI-https://asc.fasb.org/topic&trid=2303972> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-20-Section-50-Paragraph-5-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=128092470&loc=d3e4946-128472](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-20-Section-50-Paragraph-5-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=128092470&loc=d3e4946-128472) Details Name: us-gaap-BusinessCombinationDisclosureTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: durationX-References No definition available. Details Name: us-gaap-DisclosureTextBlock Abstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration Note 11-Income Taxes 12-Months Ended Dec. 31, 2022 Notes to Financial Statements Income Tax Disclosure [Text Block] NOTE 11: INCOME TAXES Income tax expense consisted of the following: Year ended December 31, 2022 2021 Tax provision summary: State income tax \$ (51) \$ (22) Deferred tax expense-federal (30) Deferred tax benefit-state 2-Tax expense \$ (79) \$ (22) The income tax expense includes federal and state income taxes currently payable and those deferred or prepaid because of temporary differences between financial statement and tax bases of assets and liabilities. The Company records income taxes under the liability method. Under this method, deferred income taxes are recognized for the estimated future tax effects of differences between the tax bases of assets and liabilities and their financial reporting amounts based on enacted tax laws. A reconciliation of the statutory income tax rate to the effective income tax rates as a percentage of income before income taxes is as follows: 2022 2021 Federal statutory rate 21. 00 % 21. 00 % State taxes, net of federal benefit (2. 02) % 5. 21 % Foreign rate differential (2. 51) % (26. 47) % PPP Loan Forgiveness (128. 43) % Fair value of Warrant Liability /Contingent Consideration (79. 66) % 0. 00 % Discrete items, Transaction items, and Other (2. 37) % 21. 92 % Changes in valuation allowance 69. 60 % 115. 43 % Effective tax rate 4. 04 % 8. 66 % The net deferred tax assets and liabilities recognized in the accompanying Consolidated Balance Sheets, determined using the income tax rate applicable to each period, consist of the following: December 31, 2022 2021 Deferred tax assets (liabilities): Reserves \$ 472 \$ 267 Property and equipment 165 (2) Accrued expenses 593 106 Right-of-use Asset (253) (91) Right-of-use Liability 253 91 IRC 163 (j) Interest Deduction 18 18 Debt issuance costs 286 Non-qualified stock options 1, 469 1, 074 IRC Section 174 196 R & D credits 2, 312 1, 801 Net foreign carryforwards 3, 664 3, 485 US net operating loss and credit carryforwards 37, 953 35, 448 Intangibles (3, 737) (11) Total deferred tax liabilities, net 43, 391 42, 186 Valuation allowance (43, 419) (42, 186) Net deferred tax liabilities \$ (28) \$- As of December 31, 2022, the Company had no reserves recorded as a liability for unrecognized tax benefits for U. S. federal and state tax jurisdictions. There were no unrecognized tax benefits as of December 31, 2022 that, if recognized, would affect the tax rate. It is the Company's policy to accrue interest and penalties related to liabilities for income tax contingencies in the provision for income taxes. As of December 31, 2022, the Company had no accrued interest or penalties related to uncertain tax positions. Our deferred tax assets are primarily related to net federal and state operating loss carryforwards (NOLs). As of December 31, 2022, the Company has federal and state net operating loss carryforwards expiring between 2023 and 2037, \$ 10, 651 of which has an indefinite carryforward period. The federal statute of limitations remains open for tax years 2019 through 2021 and state tax jurisdictions generally have statutes of limitations open for tax years 2018 through 2021. We have substantial NOLs that are limited in usage by IRC Section 382. IRC Section 382 generally imposes an annual limitation on the amount of NOLs that may be used to offset taxable income when a corporation has undergone significant changes in stock ownership within a statutory testing period. We have performed a preliminary analysis of the annual NOL carryforwards and limitations that are available to be used against taxable income. Based on the history of losses of the Company, there continues to be a full valuation allowance against the net deferred tax assets of the Company. X-References No definition available. Details Name: us-gaap-DisclosureTextBlock Abstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: durationX-Definition The entire disclosure for income taxes. Disclosures may include net deferred tax liability or asset recognized in an enterprise's statement of financial position, net change during the year in the total valuation allowance, approximate tax effect of each type of temporary difference and carryforward that gives rise to a significant portion of deferred tax liabilities and deferred tax assets, utilization of a tax carryback, and tax uncertainties information. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-21-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32857-109319> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-\(SAB-Topic-11-C\)-URI-https://asc.fasb.org/extlink&oid=122134291&loc=d3e330215-122817](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-(SAB-Topic-11-C)-URI-https://asc.fasb.org/extlink&oid=122134291&loc=d3e330215-122817) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-17-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32809-109319](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-17-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32809-109319) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SAB-Topic-6-I-5-Q1\)-URI-https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SAB-Topic-6-I-5-Q1)-URI-https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817) Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-14-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32705-109319> Reference 6: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-270-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6424409&loc=d3e44925-109338> Reference 7: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-URI-https://asc.fasb.org/topic&trid=2144680> Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=6424122&loc=d3e41874-109331](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=6424122&loc=d3e41874-109331) Reference 9: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-4-08-\(h\)-\(2\)\)-URI-https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-4-08-(h)-(2))-URI-https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690) Details Name: us-gaap_IncomeTaxDisclosureTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration Note 12-

Warrants 12-Months Ended Dec. 31, 2022 Notes to Financial Statements Stockholders' Equity Note Disclosure [Text Block] NOTE 12- WARRANTS A summary of outstanding warrants for the years ended December 31, 2022 and 2021 is included below: Year Ended December 31, 2022 Warrants (Equity) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2022 1,367,737 \$ 13.44 1.73 Warrants issued 1,950,502 4.60 5.00 Warrants exercised (1,950,502) 4.60 4.86 Warrants expired (130,712) 10.44 Warrants reclassified 4,587,002 4.90 4.73 Balance December 31, 2022 5,824,027 \$ 6.56 3.91 Year Ended December 31, 2021 Warrants (Liability) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2021 \$ -- Warrants issued 4,587,002 4.90 5.00 Warrants reclassified (4,587,002) (4.90) (5.00) Balance December 31, 2021 \$ -- Year Ended December 31, 2021 Warrants (Equity) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2021 1,475,633 \$ 13.86 2.83 Warrants issued -- Warrants expired (107,896) 14.07 Balance December 31, 2021 1,367,737 \$ 13.44 1.73 On February 3, 2022, the Company entered into a Securities Purchase Agreement with a purchaser (the "Purchaser"), pursuant to which the Company agreed to issue and sell to the Purchaser, in a private placement priced at the market under Nasdaq rules, (i) 438,334 shares (the "Shares") of the Company's common stock, par value \$ 0.01 per share (the "Common Stock") and accompanying warrants to purchase an aggregate of 438,334 shares of Common Stock, and (ii) pre-funded warrants to purchase up to an aggregate of 1,950,502 shares of Common Stock (the "Pre-Funded Warrants") and accompanying warrants to purchase an aggregate of 1,950,502 shares of Common Stock (collectively, the "Private Placement"). The accompanying warrants to purchase Common Stock are referred to herein collectively as the "Common Stock Warrants." Under the Securities Purchase Agreement, each Share and accompanying warrants to purchase Common Stock were sold together at a combined price of \$ 4.605, and each Pre-Funded Warrant and accompanying warrants to purchase Common Stock were sold together at a combined price of \$ 4.6047, for gross proceeds of approximately \$ 11,000, before deducting placement agent fees and estimated offering expenses payable by the Company. In the first quarter of 2022, each of the Pre-Funded Warrants were exercised. The Common Stock Warrants expire five years from the date of issuance. The Company evaluated the Pre-Funded Warrants and concluded that they met the criteria to be classified within stockholders' equity, with proceeds recorded as common stock and additional paid-in capital. The Company evaluated the Common Stock Warrant and concluded they did not meet the criteria to be classified within stockholders' equity. The Common Stock Warrant included provisions which could result in a different settlement value for the Common Stock Warrant depending on the registration status of the underlying shares. Because these conditions were not an input into the pricing of a fixed-for-fixed option on the Company's ordinary shares, the Common Stock Warrant was not considered to be indexed to the Company's own stock. The Company recorded these warrants as liabilities on the Consolidated Balance Sheets at fair value, with subsequent changes in their respective fair values recognized in the Consolidated Statements of Operations at each reporting date. At the date of issuance, the Company performed a Black-Scholes valuation of the warrants, resulting in a fair value of \$ 3.2781 per warrant. The Company recorded a gain on the fair value of these warrants of \$ 4,951 in the Consolidated Statements of Operations for the year ended December 31, 2022, which reflects the change in fair value from granting of the warrants through June 30, 2022, the effective date of the warrant agreement amendment. On February 17, 2022, in connection with the Credit Agreement with Slipstream, the Company issued to Slipstream 1,731,499 warrants with an exercise price of \$ 6.00 per share, which expire five years from the date of issuance (the "Lender Warrant"). These warrants are not exercisable until 180 days after the issuance date. The common shares underlying these warrants have not yet been registered for resale under the Securities Act of 1933, which provides Slipstream with an option for cashless exercise once the warrant becomes exercisable until such time as such registration occurs. The Lender Warrant expired five years from the date of issuance. The Company evaluated the Lender Warrant and concluded that it did not meet the criteria to be classified within stockholders' equity. The Lender Warrant included provisions that could result in a different settlement value for the Lender Warrant depending on the registration status of the underlying shares. Because these conditions were not an input into the pricing of a fixed-for-fixed option on the Company's ordinary shares, the Lender Warrant was not considered to be indexed to the Company's own stock. The Company recorded these warrants as liabilities in the Consolidated Balance Sheets at fair value, with subsequent changes in their respective fair values recognized in the Consolidated Statements of Operations at each reporting date. At the date of issuance, the Company performed a Black-Scholes valuation of the warrants, resulting in a fair value of \$ 2.4387 per warrant. In recording the warrant liability, the Company recorded an increase in debt discount in the Consolidated Balance Sheets associated with the issuance of the warrants of \$ 4,223, which is being amortized through interest expense in the Consolidated Statements of Operations over the life of the Acquisition Term Loan and Consolidation Term Loan. The Company recorded a gain on the fair value of these warrants of \$ 2,302 in the Consolidated Statements of Operations for the year ended December 31, 2022, which reflects the change in fair value from granting of the warrants through June 30, 2022, the effective date of the warrant agreement amendment. On February 17, 2022, in connection with obtaining a waiver of certain restrictions in investment documents between an investor and the Company in order to consummate the financing contemplated by the Credit Agreement, the Company paid consideration to such investor in the form of a warrant (the "Purchaser Warrant") to purchase 466,667 shares of Company common stock in an at-the-market offering under Nasdaq rules. The number of shares of Company common stock subject to the Purchaser Warrant is equal to the waiver fee (\$ 175) divided by \$ 0.375 per share. The exercise price of the Purchaser Warrant is \$ 4.23 per share, and the Purchaser Warrant is not exercisable until August 17, 2022. The Purchaser Warrant expired five years from the date of issuance. The Company evaluated the Purchaser Warrant and concluded that it did not meet the criteria to be classified within stockholders' equity. The Purchaser Warrant included provisions which could result in a different settlement value for the Purchaser Warrant depending on the registration status of the underlying shares. Because these conditions were not an input into the pricing of a fixed-for-fixed option on the Company's ordinary shares, the Purchaser Warrant was not considered to be indexed to the Company's own stock. The Company recorded these warrants as liabilities on the Consolidated Balance Sheets at fair value, with subsequent changes in their respective fair values recognized in the Consolidated Statements of Operations at each reporting date. At the date of issuance, the Company performed a Black-Scholes valuation of the Purchaser Warrant, resulting in a fair value of \$ 2.5968 per warrant. In recording the warrant liability, the Company recorded an expense in the Consolidated Statements of Operations associated with the issuance of the Purchaser Warrant of \$ 1,212. The Company recorded a gain on the fair value of the Purchaser Warrant of \$ 649 in the Consolidated Statements of Operations for the year ended December 31, 2022, which reflects the change in fair value from granting of the warrants through June 30, 2022, the effective date of the warrant agreement amendment. Effective June 30, 2022, the Company amended the terms of the Common Stock Warrant (2,388,836 warrants), Lender Warrant (1,731,499 warrants) and Purchaser Warrant (466,667 warrants). The amendments to such warrants removes the holder's option to determine the value of such warrants utilizing the volume weighted average price ("VWAP") of the Company's common stock on the trading day immediately preceding the date of a notice in a cashless exercise, and removes the condition to exercising such warrants that the Company's shareholders approve the exercise thereof (which has already been obtained). The amendments to the warrants also extend the term of such warrants for an additional one year, such that the Common Stock Warrant will expire on February 3, 2028, and the Lender Warrant and Purchaser Warrant will expire on February 17, 2028. As a result of the extension in term provided in exchange for the amendment, the Company reassessed the fair value of each of the Common Stock, Lender and Purchaser Warrants, resulting in the Company recording a loss on the fair value of these warrants of \$ 345 in the Consolidated Statements of Operations for the year ended December 31, 2022. The foregoing amendments to the warrants resulted in such warrants to be accounted for as equity instruments in the Company's Consolidated Financial Statements. As such, following recording the gains and losses with respect to these warrant amendments, the Company reclassified the warrant liability of \$ 5,709 from noncurrent liabilities to additional paid-in capital. These amounts are reflected as additional paid-in capital in the Consolidated Balance Sheet as of December 31, 2022. As of December 31, 2022, there remained outstanding 68,508 warrants which contain weighted average anti-dilution protection. During 2022, those warrants were subject to a downward adjustment in their strike price following completion of the Company's issuance of common stock or common stock equivalents in (1) the Private Placement, (2) the Credit Agreement, and (3) the Waiver, each in February 2022. The strike prices prior to adjustment ranged from \$ 16.83 to \$ 17.31 and were adjusted to between \$ 10.23 and \$ 10.44, resulting in the Company recording an increase in additional paid-in capital of \$ 31 in the Consolidated Statements of Shareholders' Equity for the year ended December 31, 2022. The remaining weighted-average exercise price and weighted-average contractual life of warrants subject to weighted average anti-dilution protection is \$ 10.41 and 0.24 years, respectively, as of December 31, 2022. As of December 31, 2021, there remained outstanding 307,123 warrants which contain weighted average anti-dilution protection. During 2020, those warrants were subject to a downward adjustment in their strike price following completion of the Company's issuance of common stock via at-the-market offering activities. The strike prices prior to adjustment ranged from \$ 18.27 to \$ 18.75 and were adjusted to between \$ 17.40 and \$ 17.88. The remaining weighted-average contractual life of warrants subject to weighted average anti-dilution protection is 1.71 years as of December 31, 2021. X-References No definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-Definition The entire disclosure for shareholders' equity comprised of portions attributable to the parent entity and noncontrolling interest, including other comprehensive income. Includes, but is not limited to, balances of common stock, preferred stock, additional paid-in capital, other capital and retained earnings, accumulated balance for each classification of other comprehensive income and amount of comprehensive income. References Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-URI-https://asc.fasb.org/topic&trid=2208762 Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-13-

Subparagraph (b)–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496158-112644Reference 3>; <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-13>–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496158-112644Reference 4>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-14-Subparagraph-\(e\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-14-Subparagraph-(e))–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496171-112644Reference 5>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-14-Subparagraph-\(b\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-14-Subparagraph-(b))–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496171-112644Reference 6>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.3-04\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.3-04))–URI <https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770Reference 7>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-18-Subparagraph-\(d\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-18-Subparagraph-(d))–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496189-112644Reference 8>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-13-Subparagraph-\(g\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-13-Subparagraph-(g))–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496158-112644Reference 9>; 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[http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-18-Subparagraph-\(b\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-18-Subparagraph-(b))–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496189-112644Reference 13>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-16-Subparagraph-\(b\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-16-Subparagraph-(b))–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496180-112644Reference 14>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-13-Subparagraph-\(i\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-13-Subparagraph-(i))–URI <https://asc.fasb.org/extlink&oid=126973232&loc=SL123496158-112644Reference 15>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.4-08-\(c\)\(1\)\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.4-08-(c)(1)))–URI <https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690Reference 16>; [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-815-SubTopic-40-Section-50-Paragraph-6-Subparagraph-\(a\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-815-SubTopic-40-Section-50-Paragraph-6-Subparagraph-(a))–URI

options vested immediately, with the half of the remaining options vesting at each of the first and second anniversaries of the grant date. The options have an exercise price of \$ 6.63, the market value of the Company's common stock on the grant date. The fair value of the options on the grant date was \$ 5.23 and was determined using the Black-Scholes model. These values were calculated using the following weighted average assumptions: Risk-free interest rate 1.60% Expected term (in years) 6.25 Expected price volatility 97.78% Dividend yield 0% On June 1, 2020 the Board of Directors of the Company granted 10-year options to purchase an aggregate of 526,667 shares of its common stock to employees of the Company subject to shareholder approval of an increase in the reserve of shares authorized for issuance under the Company's 2014 Stock Incentive Plan (the "Plan"). On July 10, 2020, the Company held a special meeting of the Company's shareholders at which the shareholders approved the amendment to the Plan, which increased the reserve of shares authorized for issuance thereunder to 2,000,000 shares. The options awarded vest over 3 years and have an exercise price of \$ 7.59, the market value of the Company's common stock on the grant date. The fair value of the options on the grant date was \$ 5.61 and was determined using the Black-Scholes model. These values were calculated using the following weighted average assumptions: Risk-free interest rate 0.66% Expected term (in years) 6.25 Expected price volatility 89.18% Dividend yield 0%

Stock Compensation Expense Information ASC 718-10, Stock Compensation, requires measurement and recognition of compensation expense for all stock-based payments including warrants, stock options, restricted stock grants and stock bonuses based on estimated fair values. Under the Amended and Restated 2006 Equity Incentive Plan, the Company reserved 573,334 shares for purchase by the Company's employees and under the Amended and Restated 2006 Non-Employee Director Stock Option Plan the Company reserved 233,334 shares for purchase by the Company's employees. There are 4,002 options outstanding under the 2006 Equity Incentive Plan. In October 2014, the Company's shareholders approved the 2014 Stock Incentive Plan, under which 7,390,355 shares were reserved for purchase by the Company's employees. In August 2018, a special meeting of shareholders was held in which the shareholders voted to amend the Company's 2014 Stock Incentive Plan to increase the reserve of shares authorized for issuance thereunder, from 7,390,355 shares to 18,000,000 shares. Following a 1-for-30 reverse stock split, the shares authorized for issuance under the Company's 2014 Stock Incentive Plan was reduced to 600,000. On July 10, 2020, the Company's shareholders approved an amendment to the Company's 2014 Stock Incentive Plan to increase the reserve of authorized for issuance thereunder to 6,000,000. Following a 1-for-3 reverse stock split, the shares authorized for issuance under the Company's 2014 Stock Incentive Plan was reduced to 2,000,000. There are 1,532,242 options outstanding under the 2014 Stock Incentive Plan. Employee Awards Compensation expense recognized for the issuance of stock options to employees for the years ended December 31, 2022 and 2021 of \$ 1,689 and \$ 1,494, respectively, was included in general and administrative expense in the Consolidated Financial Statements. At December 31, 2022, there was approximately \$ 843 and \$ 1,360 of total unrecognized compensation expense related to unvested share-based awards with time vesting and performance vesting criteria for employees, respectively. Generally, expense related to the time vesting options will be recognized over the next two- and one-half years and will be adjusted for any future forfeitures as they occur. Compensation expense related to performance vesting options will be recognized if it becomes probable that the Company will achieve the identified performance metrics. Non-Employee Awards Compensation expense recognized for the issuance of stock options, including those options awarded to our Board of Directors, for the years ended December 31, 2022 and 2021 of \$ 198 and \$ 398, respectively, was included in general and administrative expense in the Consolidated Financial Statements. At December 31, 2022, there was approximately \$ 62 of total unrecognized compensation expense related to unvested share-based awards with time vesting criteria for non-employee directors. Generally, expense related to the time vesting options will be recognized over the next two years and will be adjusted for any future forfeitures as they occur. The Company engages certain consultants to perform services in exchange for Company common stock. Shares issued for services were calculated based on the ten (10) day volume weighted average price ("VWAP") for the last ten (10) days during the month of service provided. During the year ended December 31, 2022, the Company issued or accrued shares issuable in exchange for services in the amount of \$ 125. \$ 15 of the compensation expense was recorded as capitalized software.

X-Definition The entire disclosure for share-based payment arrangement. Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 4: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph\(a\)\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph(a)(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph\(h\)\(2\)\(i\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph(h)(2)(i)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph\(h\)\(2\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph(h)(2)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlock ItemType: Balance Type: na-Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na-Period Type: duration Note 14- Leases 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Lessee, Operating Leases and Finance Leases [Text Block] NOTE 14: LEASES The Company's lease portfolio is primarily comprised of operating leases for offices. At the inception of an arrangement, the Company determines whether the arrangement is or operating lease based on whether the contract conveys the right to control the use of identified property or equipment for a period of time in exchange for consideration. Leases are classified as operating or finance leases at the commencement date of the lease. Operating lease right of use assets and obligations are recognized within the Consolidated Balance Sheets based on the present value of lease payments over the lease term. As the implicit rate is generally not readily determinable for most leases, the Company uses an incremental borrowing rate based on the information available at commencement date in determining the present value of lease payments. The incremental borrowing rate reflects the estimated rate of interest that the Company would pay to borrow on a collateralized basis over a similar term in a similar economic environment. Lease expense for operating leases is recognized on a straight-line basis over the lease term. Leases may include one or more options to renew. We do not assume renewals in our determination of the lease term unless the renewals are deemed to be reasonably assured at lease commencement. Our lease agreements do not contain any material residual value guarantees or material restrictive covenants. For the year-ended December 31, 2022 and 2021, the Company recognized \$ 579 and \$ 379, respectively, of operating lease expense. Operating lease expense is recognized within general and administrative expenses in the Consolidated Statements of Operations. The following table provides lease term and discount rate information related to operating leases as of December 31, 2022: Year Ended Year Ended December 31, December 31, (in thousands) 2022 2021 Weighted Average Remaining Lease Term Operating leases (in years) 3.2 2.8 Weighted Average Discount Rate Operating leases 10.0% 10.0% The following table sets forth the scheduled maturities of lease obligations as of December 31, 2022: Operating (in thousands) Leases 2023 \$ 755 2024 459 2025 455 2026 112 2027 86 Total undiscounted cash flows 1,867 Less imputed interest (283) Present value of lease liabilities 1,584 Current maturities of operating leases 711 Long-term obligations under operating leases 873 Present value of lease liabilities \$ 1,584 The following table provides supplemental information related to the Company's Consolidated Statements of Cash Flows for the years ended December 31, 2022 and 2021: Year Ended Year Ended December 31, December 31, (in thousands) 2022 2021 Cash paid for amounts included in the measurement of lease liabilities: Operating cash flows from operating leases \$ 597 \$ 383 X-Definition The entire disclosure for operating leases and finance leases of lessee. Reference No definition available. Details Name: crex-LesseeOperatingLeasesAndFinanceLeasesTextBlock Namespace Prefix: crex-Data Type: dtr-types:textBlock ItemType: Balance Type: na-Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap-DisclosureTextBlockAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na-Period Type: duration Note 15- Profit-sharing Plan 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Compensation and Employee Benefit Plans [Text Block] NOTE 15: PROFIT-SHARING PLAN We have a defined contribution 401(k) retirement plans for eligible associates in the United States. Associates may contribute up to 15% of their pretax compensation to the plan subject to IRS limitations. Beginning on April 1, 2018, the Company began contributing an employer contribution match of 50% of employee wages up to 6%, for an effective match of 3%. The Company indefinitely suspended the employer match at the end of March 2020 in response to the uncertainty of the COVID-19 pandemic and reinstated the employer match in October 2021. We have a Registered Retirement Savings Plan for eligible associates in Canada. Associates may contribute up to 18% of earned income reported on their tax return in the previous year, subject to legal contribution limits. Beginning on April 1, 2018, the Company began contributing an employer contribution match of 50% of employee wages up to 6%, for an effective match of 3%. The Company indefinitely suspended the employer match at the end of March 2020 in response to the uncertainty of the COVID-19 pandemic and reinstated the employer match in October 2021. The Company contributed \$ 142 and \$ 19 to employee retirement plans for the year-ended December 31, 2022 and 2021, respectively. X-Definition The entire disclosure for an entity's employee compensation and benefit plans, including, but not limited to, postemployment and postretirement benefit plans, defined benefit pension plans, defined contribution plans, non-qualified and supplemental benefit plans, deferred compensation, share-based compensation, life insurance, severance, health care, unemployment and

other benefit plans. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-URIhttps://asc.fasb.org/topic&trid=2228938>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic712-URIhttps://asc.fasb.org/topic&trid=2197446>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic710-URIhttps://asc.fasb.org/topic&trid=2127225>Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic715-URIhttps://asc.fasb.org/topic&trid=2235017>Details Name: us-gaap_CompensationAndEmployeeBenefitPlansTextBlock-Namespae Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-ReferencesNo definition available. Details Name: us-gaap_DisclosureTextBlockAbstract Namespae Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: durationNote 16- Segment Information and Significant Customers/Vendors 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Segment Reporting-Disclosure [Text Block]NOTE 16: SEGMENT INFORMATION AND SIGNIFICANT CUSTOMERS/VENDORS Segment Information We currently operate in one reportable segment, marketing technology solutions. Substantially all property and equipment is located at our offices in the United States, and a data center located in the United States. All material sales for the years ended December 31, 2022 and 2021 were in the United States and Canada. Significant Customers We had three (3) and two (2) customers that accounted for 44.0% and 41.1% of revenue for the years ended December 31, 2022 and 2021, respectively. We had three (3) and two (2) customers that in the aggregate accounted for 49.2% and 56.6% of accounts receivable as of December 31, 2022 and December 31, 2021, respectively. Significant Vendors We had one (1) and three (3) vendors that accounted for 30.1% and 69.1% of outstanding accounts payable at December 31, 2022 and December 31, 2021, respectively. X-ReferencesNo definition available. Details Name: us-gaap_DisclosureTextBlockAbstract Namespae Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: durationX-DefinitionThe entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph31-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8924-108599>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph34-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8981-108599>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599)Reference 4: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph40-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e9031-108599>Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph\(f\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph(f)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph\(e\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph32-Subparagraph(e)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599)Reference 7: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph26-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8844-108599>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph41-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e9038-108599>Reference 9: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph22-Subparagraph\(d\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph22-Subparagraph(d)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599)Reference 10: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph42-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e9054-108599>Reference 11: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph15-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8657-108599>Reference 12: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599)Reference 13: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599)Reference 14: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic280-SubTopic10-Section50-Paragraph21-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126901519&loc=d3e8721-108599)Details Name: us-gaap_SegmentReportingDisclosureTextBlock-Namespae Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationNote 17- Subsequent Events 12 Months Ended Dec. 31, 2022 Notes to Financial Statements Subsequent Events [Text Block]NOTE 17: SUBSEQUENT EVENTS Second Amendment to Merger Agreement On February 11, 2023, the Company, Reflect and the Stockholders' Representative, executed a Second Amendment to the Merger Agreement. The Second Amendment to the Merger Agreement provides that, among other things, the cash merger consideration payable in the Merger should be reduced by \$ 242, or the "Claim Amount," subject to a reduction in the Claim Amount to the extent that Reflect or Creative Realities receive payments of certain accounts receivable of Reflect, up to \$ 27. An employer retention credit of \$ 242 (the "ERC") based on the operations of Reflect pre-Merger remains outstanding and will be paid to the Stockholders' Representative for the benefit of former Reflect stockholders upon receipt, subject to the offset rights of Creative Realities described below. Secured Promissory Note On February 11, 2023, the Company and the Stockholders' Representative executed an amendment, or the "Note Amendment," to the Secured Promissory Note. The Secured Promissory Note required Creative Realities to pay to the Stockholders' Representative a balloon payment of \$ 1,250, plus all accrued and unpaid interest, on its stated maturity date, February 17, 2023. The Note Amendment eliminates the balloon payment, extending the maturity date for a one-year period, to February 17, 2024. During the extended period, Creative Realities will continue to make monthly principal payments of \$ 104, and the annual interest rate on the outstanding principal increased from 0.59% to 4.60%, which will accrue and is payable in full on the new maturity date. Offset Rights; Payment of Claim Amount In light of the possible collection of the ERC and the Note Amendment, the parties agreed that the Claim Amount would be reduced by the amount of any ERC received by Creative Realities or Reflect prior to the maturity date of the Secured Promissory Note. If the Claim Amount exceeds the remaining amounts payable under the Secured Promissory Note on any payment date, Creative Realities may reduce the amount of the Secured Promissory Note, and the Claim Amount will be reduced on a dollar-for-dollar basis. Escrow Agreement In light of the resolution of the Claim Amount, the parties agreed to release the \$ 250 escrow funds, plus interest, to the Stockholders' Representative, which was placed in escrow at the closing of the Merger to be released once the Claim Amount was paid. The parties also amended the Escrow Agreement executed at the closing of the Merger (the "Escrow Amendment") to extend the period for which the escrow agent therein would accept monthly payments of the Secured Promissory Note until the extended maturity date, February 17, 2024. Reverse stock split On March 23, 2023, the Company filed Articles of Amendment with the Secretary of State of the State of Minnesota to effectuate, effective March 27, 2023, a one-for-three stock split of the shares of the Company's common stock, par value \$ 0.01 per share. As a result of the reverse stock split, effective 12:01 am on March 27, 2023, every three shares of common stock then-issued and outstanding automatically combined into one share of common stock, with no change in par value per share. No fractional shares were outstanding following the reverse stock split and any fractional shares resulting from the reverse split were rounded up to the nearest whole share of common stock. In connection with the reverse stock split, the total number of shares of common stock authorized for issuance was reduced from 200,000,000 shares to 66,666,666 shares in proportion to the reverse stock split. Effective as of the same time as the reverse stock split, the number of shares of common stock available for issuance under the Company's equity compensation plans were reduced in proportion to the reverse stock split. The reverse stock split also resulted in the number of shares of shares of common stock issuable upon exercise of outstanding warrants, or the exercise or vesting of equity awards, in proportion to the reverse stock split and caused a proportionate increase in exercise price or share-based performance criteria, where applicable. X-ReferencesNo definition available. Details Name: us-gaap_DisclosureTextBlockAbstract Namespae Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: durationX-DefinitionThe entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic855-URIhttps://asc.fasb.org/topic&trid=2122774>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic855-SubTopic10-Section50-Paragraph2-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=6842918&loc=SL6314017-165662](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic855-SubTopic10-Section50-Paragraph2-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=6842918&loc=SL6314017-165662)Details Name: us-gaap_SubsequentEventsTextBlock-Namespae Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type:

duration Significant Accounting Policies (Policies) 12 Months Ended Dec. 31, 2022 Accounting Policies [Abstract] Basis of Accounting, Policy [Policy Text Block] 1. Basis of Presentation The accompanying Consolidated Financial Statements have been prepared in accordance with the instructions to Form 10-K and Article 8 of Regulation S-X and include all of the information and disclosures required by generally accepted accounting principles in the United States of America ("GAAP") for annual financial reporting. The Consolidated Financial Statements include the accounts of Creative Realities, Inc. and our wholly owned subsidiaries Allure, Creative Realities (Canada), Inc., and Reflect Systems, Inc. All intercompany balances and transactions have been eliminated in consolidation, as applicable. Revenue from Contract with Customer [Policy Text Block] 2. Revenue Recognition We recognize revenue in accordance with Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") 606, Revenue from Contracts with Customers, applying the five-step model. If an arrangement involves multiple performance obligations, the items are analyzed to determine the separate units of accounting, whether the items have value on a standalone basis and whether there is objective and reliable evidence of their standalone selling price. The total contract transaction price is allocated to the identified performance obligations based upon the relative standalone selling prices of the performance obligations. The standalone selling price is based on an observable price for services sold to other comparable customers, when available, or an estimated selling price using a cost plus margin approach. The Company estimates the amount of total contract consideration it expects to receive for variable arrangements by determining the most likely amount it expects to earn from the arrangement based on the expected quantities of services it expects to provide and the contractual pricing based on those quantities. The Company only includes some or a portion of variable consideration in the transaction price when it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Company considers the sensitivity of the estimate, its relationship and experience with the client and variable services being performed, the range of possible revenue amounts and the magnitude of the variable consideration to the overall arrangement. The Company receives variable consideration in very few instances. Revenue is recognized when a customer obtains control of promised goods or services under the terms of a contract and is measured as the amount of consideration the Company expects to receive in exchange for transferring goods or providing services. The Company does not have any material extended payment terms as payment is due at or shortly after the time of the sale, typically ranging between thirty and ninety days. Observable prices are used to determine the standalone selling price of separate performance obligations or a cost plus margin approach when one is not available. Sales, value-added and other taxes collected concurrently with revenue producing activities are excluded from revenue. The Company recognizes contract assets or unbilled receivables related to revenue recognized for services completed but not yet invoiced to the clients. A contract liability is recognized as deferred revenue when the Company invoices clients in advance of performing the related services under the terms of a contract. Deferred revenue is recognized as revenue when the Company has satisfied the related performance obligation. The Company uses the practical expedient for recording an immediate expense for incremental costs of obtaining contracts, including certain design / engineering services, commissions, incentives and payroll taxes, as these incremental and recoverable costs have terms that do not exceed one year. Inventory, Policy [Policy Text Block] 3. Inventories Inventories are stated at the lower of cost or net realizable value, determined by the first-in, first-out (FIFO) method, and consist of the following: December 31, 2022 2021 Raw materials, net of reserve of \$ 1, 777 and \$ 502, respectively \$ 1, 671 \$ 1, 583 Work-in-process 596 297 Total inventories \$ 2, 267 \$ 1, 880 During the year ended December 31, 2022, the Company increased its reserves for obsolete inventory by \$ 1, 275, of which \$ 1, 249 related to Safe Space Solutions. The Company is no longer actively promoting the sale of our Safe Space Solutions or purchasing inventory to support such solutions. Impairment or Disposal of Long-Lived Assets, Policy [Policy Text Block] 4. Impairment of Long-Lived Assets We review the carrying value of all long-lived assets, including property and equipment, for impairment annually as of September 30 in accordance with ASC 360, Accounting for the Impairment or Disposal of Long-Lived Assets. Under ASC 360, impairment losses are recorded whenever events or changes in circumstances indicate the carrying value of an asset may not be recoverable. If the impairment tests indicate that the carrying value of the asset is greater than the expected undiscounted cash flows to be generated by such asset, an impairment loss would be recognized. The impairment loss is determined as the amount by which the carrying value of such asset exceeds its fair value. We generally measure fair value by considering sale prices for similar assets or by discounting estimated future cash flows from such assets using an appropriate discount rate. Assets to be disposed of are carried at the lower of their carrying value or fair value less costs to sell. Considerable management judgment is necessary to estimate the fair value of assets, and accordingly, actual results could vary significantly from such estimates. Earnings Per Share, Policy [Policy Text Block] 5. Basic and Diluted Income / (Loss) per Common Share Basic and diluted income / (loss) per common share for all periods presented is computed using the weighted average number of common shares outstanding. Basic weighted average shares outstanding includes only outstanding common shares. Diluted weighted average shares outstanding includes outstanding common shares and potential dilutive common shares outstanding in accordance with the treasury stock method. Shares reserved for outstanding stock options, including stock options with performance restricted vesting, and warrants totaling approximately 7, 360, 271 and 2, 324, 007 at December 31, 2022 and 2021, respectively were excluded from the computation of income / (loss) per share as the strike price on the options and warrants were higher than the Company's market price and therefore anti-dilutive. Income Tax, Policy [Policy Text Block] 6. Income Taxes Deferred income taxes are recognized in the financial statements for the tax consequences in future years of differences between the tax basis of assets and liabilities and their financial reporting amounts based on enacted tax laws and statutory tax rates. Temporary differences arise from net operating losses, differences in basis of intangibles, stock-based compensation, reserves for uncollectible accounts receivable and inventory, differences in depreciation methods, and accrued expenses. Valuation allowances are established when necessary to reduce deferred tax assets to the amount expected to be realized. The Company accounts for uncertain tax positions utilizing an established recognition threshold and measurement attributes for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. We had no uncertain tax positions as of December 31, 2022 and December 31, 2021. Goodwill and Intangible Assets, Policy [Policy Text Block] 7. Goodwill and Definite-Lived Intangible Assets We follow the provisions of ASC 350, Goodwill and Other Intangible Assets. Pursuant to ASC 350, goodwill acquired in a purchase business combination is not amortized, but instead tested for impairment at least annually. The Company uses an annual measurement date of September 30 to assess impairment of goodwill and indefinite-lived intangible assets, or as indicators are identified. Definite-lived intangible assets are amortized straight-line in accordance with their identified useful lives. Use of Estimates, Policy [Policy Text Block] 8. Use of Estimates The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Our significant estimates include: warrant liability valuation, contingent purchase consideration valuation, the allowance for doubtful accounts, valuation allowances related to deferred taxes, the fair value of acquired assets and liabilities, the fair value of liabilities reliant upon the appraised fair value of the Company, valuation of stock-based compensation awards and other assumptions and estimates used to evaluate the recoverability of long-lived assets, goodwill and other intangible assets and the related amortization methods and periods. Actual results could differ from those estimates. Property, Plant and Equipment, Policy [Policy Text Block] 9. Property and Equipment Property and equipment are carried at cost, less accumulated depreciation and amortization. Depreciation is provided for in amounts sufficient to relate the cost of depreciable assets to operations over the estimated service lives, principally using straight-line methods. Leasehold improvements are amortized over the shorter of the life of the improvement or the lease term, using the straight-line method. Property and equipment consist of the following at December 31, 2022 and 2021: December 31, 2022 2021 Equipment \$ 138 \$ 89 Leasehold improvements 197 135 Furniture and fixtures 199 121 Other depreciable assets 124 56 Total property and equipment 658 401 Less: accumulated depreciation and amortization (457) (326) Net property and equipment \$ 201 \$ 75 The estimated useful lives used to compute depreciation and amortization are as follows: Asset class Useful life assigned (in years) Equipment 3-5 Furniture and fixtures 5 Leasehold improvements Shorter of 5 years or term of lease Depreciation expense was \$ 131 and \$ 109 for the years ended December 31, 2022 and 2021, respectively. Research and Development Expense, Policy [Policy Text Block] 10. Research and Development and Software Development Costs Research and development expenses consist primarily of development personnel and non-employee contractor costs related to the development of new products and services; enhancement of existing products and services, quality assurance and testing. The Company capitalizes its costs incurred for additional functionality to its internal software. We capitalized approximately \$ 4, 444 and \$ 1, 140 for the years ended December 31, 2022 and 2021, respectively. These software development costs include both enhancements and upgrades of our client-based systems including functionality of our internal information systems to aid in our productivity, profitability and customer relationship management. We are amortizing these costs over 3 years once the new projects are completed and placed in service. These costs are included in intangible assets, net on the Consolidated Balance Sheets. Business Combinations Policy [Policy Text Block] 11. Business Combinations Accounting for acquisitions requires us to recognize separately from goodwill the assets acquired and the liabilities assumed at their acquisition date fair values. Goodwill as of the acquisition date is measured as the excess of consideration transferred over the net acquisition date fair values of the assets acquired and the liabilities assumed. While we use our best estimates and assumptions to accurately value assets acquired and liabilities assumed at the acquisition date as well as contingent consideration, where applicable, our estimates are inherently uncertain and subject to refinement. As a result, during the measurement period, which may be up to one year from the acquisition date, we may record adjustments to the assets acquired and liabilities assumed with the corresponding offset to goodwill. Upon the conclusion of the measurement period or final determination of the values of assets acquired or liabilities assumed, whichever comes first, any subsequent

adjustments are recorded to our Consolidated Statements of Operations. 12. Contingent Consideration The Company has contingent consideration arrangements related to certain acquisitions to potentially pay additional cash amounts in future periods based on the lack of achievement of certain share price performance goals of our common stock. Such contingent consideration arrangements are recorded at fair value and are classified as liabilities on the acquisition date and are remeasured at each reporting period in accordance with ASC 805-30-35-1 using a Monte Carlo simulation model. X-ReferencesNo definition available. Details Name: us-gaap-AccountingPoliciesAbstract Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). ReferencesNo definition available. Details Name: us-gaap-BasisOfAccountingPolicyTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for completed business combinations (purchase method, acquisition method or combination of entities under common control). This accounting policy may include a general discussion of the purchase method or acquisition method of accounting (including for example, the treatment accorded contingent consideration, the identification of assets and liabilities, the purchase price allocation process, how the fair values of acquired assets and liabilities are determined) and the entity's specific application thereof. An entity that acquires another entity in a leveraged buyout transaction generally discloses the accounting policy followed by the acquiring entity in determining the basis used to value its interest in the acquired entity, and the rationale for that accounting policy. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-05-Paragraph-4-Subparagraph-\(a\)-\(d\)-URI-https://asc.fasb.org/extlink&oid=6909625&loc=d3e227-128457](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-05-Paragraph-4-Subparagraph-(a)-(d)-URI-https://asc.fasb.org/extlink&oid=6909625&loc=d3e227-128457) Details Name: us-gaap-BusinessCombinationsPolicy Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(e\)-URI-https://asc.fasb.org/extlink&oid=124432515&loc=d3e3550-109257](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(e)-URI-https://asc.fasb.org/extlink&oid=124432515&loc=d3e3550-109257) Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=124432515&loc=d3e3630-109257> Details Name: us-gaap-EarningsPerSharePolicyTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for goodwill and intangible assets. This accounting policy also may address how an entity assesses and measures impairment of goodwill and intangible assets. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-20-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=121556970&loc=d3e13816-109267> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6606027&loc=d3e16265-109275> Details Name: us-gaap-GoodwillAndIntangibleAssetsPolicyTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for recognizing and measuring the impairment of long-lived assets. An entity also may disclose its accounting policy for long-lived assets to be sold. This policy excludes goodwill and intangible assets. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-05-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=109226317&loc=d3e202-110218> Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-\(SAB-Topic-5-CC\)-URI-https://asc.fasb.org/extlink&oid=27011434&loc=d3e125687-122742](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-(SAB-Topic-5-CC)-URI-https://asc.fasb.org/extlink&oid=27011434&loc=d3e125687-122742) Details Name: us-gaap-ImpairmentOrDisposalOfLongLivedAssetsPolicyTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for income taxes, which may include its accounting policies for recognizing and measuring deferred tax assets and liabilities and related valuation allowances, recognizing investment tax credits, operating loss carryforwards, tax credit carryforwards, and other carryforwards, methodologies for determining its effective income tax rate and the characterization of interest and penalties in the financial statements. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-45-Paragraph-25-URI-https://asc.fasb.org/extlink&oid=123427490&loc=d3e32247-109318> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-20-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32847-109319> Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-19-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32840-109319> Reference 4: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-220-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=124431353&loc=SL116659661-227067> Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-9-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32639-109319> Reference 6: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-45-Paragraph-28-URI-https://asc.fasb.org/extlink&oid=123427490&loc=d3e32280-109318> Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-17-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32809-109319](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-17-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32809-109319) Details Name: us-gaap-IncomeTaxPolicyTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of inventory accounting policy for inventory classes, including, but not limited to, basis for determining inventory amounts, methods by which amounts are added and removed from inventory classes, loss recognition on impairment of inventories, and situations in which inventories are stated above cost. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-SubTopic-10-Section-50-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=116847112&loc=d3e4556-108314> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-URI-https://asc.fasb.org/topic&trid=2126998> Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-\(6\)-\(b\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-(6)-(b))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 4: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-912-SubTopic-330-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6471895&loc=d3e55923-109411> Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=116847112&loc=d3e4492-108314> Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-270-SubTopic-10-Section-45-Paragraph-6-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126900757&loc=d3e543-108305](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-270-SubTopic-10-Section-45-Paragraph-6-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126900757&loc=d3e543-108305) Reference 7: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-50-Paragraph-4-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=126899994&loc=d3e18823-107790](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-50-Paragraph-4-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=126899994&loc=d3e18823-107790) Reference 8: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6361739&loc=d3e7789-107766> Details Name: us-gaap-InventoryPolicyTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-958-SubTopic-360-Section-50-Paragraph-1-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=126982197&loc=d3e99779-112916](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-958-SubTopic-360-Section-50-Paragraph-1-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=126982197&loc=d3e99779-112916) Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-958-SubTopic-360-Section-50-Paragraph-6-URI-https://asc.fasb.org/extlink&oid=126982197&loc=d3e99893-112916> Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229> Details Name: us-gaap-PropertyPlantAndEquipmentPolicyTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: durationX-DefinitionDisclosure of accounting policy for costs it has incurred (1) in a planned search or critical investigation aimed at discovery of new knowledge with the hope that such knowledge will be useful in developing a new product or service, a new process or technique, or in bringing about a significant improvement to an existing product or process; or (2) to translate research findings or other knowledge into a plan or design for a new product or process or for a significant improvement to an existing product or process. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-730-SubTopic-10-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6420194&loc=d3e21568-108373> Details

Name: us-gaap_ResearchAndDevelopmentExpensePolicy Namespace Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-Definition Disclosure of accounting policy for revenue from contract with customer. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph17-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130561-203045> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph\(d\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph(d)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph18-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130563-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph18-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130563-203045) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph\(e\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph(e)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045) Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph\(e\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph(e)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph18-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130563-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph18-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130563-203045) Reference 7: [http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-Section50-Paragraph4-Subparagraph\(e\)-URIhttps://asc.fasb.org/extlink&oid=126899994&loc=d3e18823-107790](http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-Section50-Paragraph4-Subparagraph(e)-URIhttps://asc.fasb.org/extlink&oid=126899994&loc=d3e18823-107790) Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045) Reference 9: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph19-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130564-203045> Reference 10: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph20-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130566-203045) Details Name: us-gaap_RevenueFromContractWithCustomerPolicy TextBlock Namespace Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-Definition Disclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph12-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e6191-108592> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph11-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e6161-108592> Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph9-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e6143-108592> Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph1-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e5967-108592](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph1-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e5967-108592) Reference 5: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph4-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e6061-108592> Reference 6: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e6132-108592> Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph1-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e5967-108592](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic275-SubTopic10-Section50-Paragraph1-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=99393423&loc=d3e5967-108592) Details Name: us-gaap_UseOfEstimates Namespace Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: duration Note 2-Summary of Significant Accounting Policies (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Schedule of Inventory, Current [Table Text Block] December 31, December 31, 2022 2021 Raw materials, net of reserve of \$ 1, 777 and \$ 502, respectively \$ 1, 671 \$ 1, 583 Work-in-process 596 297 Total inventories \$ 2, 267 \$ 1, 880 Property, Plant and Equipment [Table Text Block] December 31, 2022 2021 Equipment \$ 138 \$ 89 Leasehold improvements 197 135 Furniture and fixtures 199 121 Other depreciable assets 124 56 Total property and equipment 658 401 Less: accumulated depreciation and amortization (457) (326) Net property and equipment \$ 201 \$ 75 Schedule of Estimated Useful Lives [Table Text Block] Asset class Useful life assigned (in years) Equipment 3-5 Furniture and fixtures 5 Leasehold improvements Shorter of 5 years or term of lease X-Definition Tabular disclosure of the estimated useful lives. References No definition available. Details Name: crex-ScheduleOfEstimatedUsefulLives TableTextBlock Namespace Prefix: crex_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-Definition Tabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated depreciation. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic360-SubTopic10-Section50-Paragraph1-URIhttps://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229> Details Name: us-gaap_PropertyPlantAndEquipmentTableTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-Definition Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section50-Paragraph1-Subparagraph\(SX210-5-02\(6\)\(c\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section50-Paragraph1-Subparagraph(SX210-5-02(6)(c))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section50-Paragraph1-Subparagraph\(SX210-5-02\(6\)\(b\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section50-Paragraph1-Subparagraph(SX210-5-02(6)(b))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section50-Paragraph1-Subparagraph\(SX210-5-02\(6\)\(a\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section50-Paragraph1-Subparagraph(SX210-5-02(6)(a))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-Section50-Paragraph1-URIhttps://asc.fasb.org/extlink&oid=6361739&loc=d3e7789-107766> Details Name: us-gaap_ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-References No definition available. Details Name: us-gaap_TableTextBlock Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration Note 4-Revenue Recognition (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Disaggregation of Revenue [Table Text Block] Year Year Ended Ended December 31, December 31, (in thousands) 2022 2021 Hardware \$ 19, 895 \$ 9, 450 Services: Installation Services 5, 693 2, 600 Software Development Services 556 791 Media Sales 1, 511 License Revenue 1, 375 Managed Services 14, 320 5, 596 Total Services 23, 455 8, 987 Total Hardware and Services \$ 43, 350 \$ 18, 437 X-Definition Tabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor. References Reference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic606-SubTopic10-Section50-Paragraph5-URIhttps://asc.fasb.org/extlink&oid=126920106&loc=SL49130545-203045> Details Name: us-gaap_DisaggregationOfRevenueTableTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-References No definition available. Details Name: us-gaap_TableTextBlock Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration Note 6-Supplemental Cash Flow Statement Information (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Schedule of Cash Flow, Supplemental Disclosures [Table Text Block] Year Ended December 31, 2022 2021 Supplemental non-cash Investing and Financing activities Capitalized software in accounts payable \$ 556 \$ - Property and equipment in accounts payable \$ 11 \$ - Conversion of disbursed eserow loan into common stock \$ - \$ 264 Increase in debt related to financing fees \$ - \$ 200 Decrease in debt discount via amended Credit Agreement \$ - \$ 133 Supplemental disclosure information for cash flow Cash paid during the period for: Interest \$ 1, 350 \$ 106 Income taxes, net \$ 43 \$ 32 X-Definition Tabular disclosure of supplemental cash flow information for the periods presented. References No definition available. Details Name: us-gaap_ScheduleOfCashFlowSupplementalDisclosuresTableTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types: textBlockItem Type Balance Type: na Period Type: durationX-References No definition available. Details Name: us-gaap_TableTextBlock Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration Note 7-Intangible Assets and Goodwill (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Schedule of Finite-Lived Intangible Assets [Table Text Block] December 31, December 31, 2022 2021 Gross Gross Carrying Accumulated Carrying Accumulated Amount Amortization Amount Amortization Technology platform \$ 9, 765 \$ 4, 354 \$ 4, 625 \$ 3, 652 Purchased and developed software 4, 682 \$ 3, 375 \$ 3, 488 \$ 2, 713 In-Process internally developed software platform 4, 074 824 Customer relationships 15, 000 2, 849 3, 960 1, 692 Trademarks and trade names 1, 600 808 640 640 Noncomplete 30 13 Total amortizable intangible assets 35, 151 11, 399 13, 547 8, 697 Accumulated amortization 11, 399 8, 697 Net book value of amortizable intangible assets \$ 23, 752 \$ 4, 850 Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block] Estimated Future Year ending December 31, Amortization 2023 \$ 3, 272 2024 3, 109 2025 2, 875 2026 2, 408 Thereafter 12, 088 Schedule of Acquired Finite-Lived Intangible Assets by Major

Class [Table Text Block] Amortization Period: Acquired Intangible Asset: (years) Technology platform and patents 7-10 Purchased and developed software 3-5 Trade names 3-5 Customer relationships 3-15 Noncompete 2 X- Definition Tabular disclosure of the characteristics, including initial carrying value, residual amount, weighted average useful life, of finite-lived intangible assets acquired during the period by major class. A major class is composed of intangible assets that can be grouped together because they are similar, either by nature or by their use in the operations of the company. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275) Details Name: us-gaap-ScheduleOfFiniteLivedIntangibleAssetsByMajorClassTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: durationX-Definition Tabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275) Details Name: us-gaap-ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: durationX-Definition Tabular disclosure of the amount of amortization expense expected to be recorded in succeeding fiscal years for finite-lived intangible assets. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275) Details Name: us-gaap-ScheduleOfFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: durationX-References No definition available. Details Name: us-gaap-TableTextBlock Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: duration Note 8-Loans Payable (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Schedule of Debt [Table Text Block] As of December 31, 2022 Issuance Maturity Interest Rate Debt Type Date Principal Date Warrants Information A 2/17/2022 \$ 10,000 2/15/2025 833,334 8.0% interest (1) B 2/17/2022-1,456 2/17/2024-0.59% interest (2) C 2/17/2022 7,185 2/15/2025 898,165 10.0% interest (3) D 10/31/2022 2,000 9/1/2023-12.5% interest (4) Total debt, gross 20,641 1,731,499 Debt discount (3,069) Total debt, net \$ 17,572 Less current maturities (4,499) Long term debt \$ 13,073 As of December 31, 2021 Issuance Maturity Interest Rate Debt Type Date Principal Date Warrants Information E 8/17/2016 \$ 4,767 2/17/2025 196,079 8.0% interest (5) F 12/30/2019 2,418 2/17/2025-10.0% interest (5) Total debt, gross 7,185 196,079 Fair value (166) Total debt, gross 7,019 Debt discount (144) Total debt, net \$ 6,875 Less current maturities-Long term debt \$ 6,875 X- Definition Tabular disclosure of information pertaining to short-term and long-term debt instruments or arrangements, including but not limited to identification of terms, features, collateral requirements and other information necessary to a fair presentation. References No definition available. Details Name: us-gaap-ScheduleOfDebtTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-References No definition available. Details Name: us-gaap-TableTextBlock Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: duration Note 10-Business Combination (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Schedule of Business Acquisitions, by Acquisition [Table Text Block] (in thousands) Consideration Cash consideration for Reflect stock (1) \$ 16,664 Cash consideration for Retention Bonus Plan (2) 1,334 Common stock issued to Reflect shareholders (3) 4,667 Common stock issued to Retention Bonus Plan (4) 333 Secured Promissory Note (5) 2,500 Earnout liability (6) 10,862 Total consideration 36,360 Vendor deposit with the Company (7) (818) Cash acquired (8) (812) Net consideration transferred \$ 34,730 Schedule of Recognized Identified Assets Acquired and Liabilities Assumed [Table Text Block] (in thousands) Total Accounts receivable \$ 1,359 Inventory 190 Prepaid expenses & other current assets 666 Property and equipment 96 Operating right of use assets 493 Other assets 36 Identified intangible assets: Definite-lived trade names 960 Definite-lived developed technology 5,130 Definite-lived customer relationships 11,040 Definite-lived noncompete agreements 30 Goodwill 18,935 Accounts payable (104) Accrued expenses (483) Customer deposits (1,661) Deferred revenues (1,259) Current maturities of operating leases (277) Long-term obligations under operating leases (216) Other liabilities (205) Net consideration transferred \$ 34,730 Schedule of Finite-Lived Intangible Assets Acquired as Part of Business Combination [Table Text Block] Amortization (in thousands) Valuation Period Identifiable definite-lived intangible assets: Trade names \$ 960 5 years Developed technology 5,130 10 years Noncompete 30 2 years Customer relationships 11,040 10 years Total \$ 17,160 Business Acquisition, Pro Forma Information [Table Text Block] (in thousands, except earnings per common share) 2021 Net sales \$ 30,680 Net income \$ 799 Earnings per common share \$ 0.06 Year Ended December 31, Reflect Systems, Inc. (in thousands) 2021 Net sales \$ 12,243 Net (loss) income \$ 567 X- Definition Tabular disclosure of pro forma results of operations for a material business acquisition or series of individually immaterial business acquisitions that are material in the aggregate. References Reference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(h\)-\(2\)-URI-https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(h)-(2)-URI-https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463) Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(h\)-\(3\)-URI-https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(h)-(3)-URI-https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463) Details Name: us-gaap-BusinessAcquisitionProFormaInformationTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-Definition Tabular disclosure of a material business combination completed during the period, including background, timing, and recognized assets and liabilities. This table does not include leveraged buyouts. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-50-Paragraph-3-URI-https://asc.fasb.org/extlink&oid=79982066&loc=d3e1486-128463> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Details Name: us-gaap-ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-Definition Tabular disclosure of finite-lived intangible assets acquired as part of a business combination or through an asset purchase, by major class and in total, including the value of the asset acquired, any significant residual value (the expected value of the asset at the end of its useful life) and the weighted-average amortization period. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275) Details Name: us-gaap-ScheduleOfFiniteLivedIntangibleAssetsAcquiredAsPartOfBusinessCombinationTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-Definition Tabular disclosure of the amounts recognized as of the acquisition date for each major class of assets acquired and liabilities assumed. May include but not limited to the following: (a) acquired receivables; (b) contingencies recognized at the acquisition date; and (c) the fair value of noncontrolling interests in the acquiree. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-805-SubTopic-20-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=128092470&loc=d3e4845-128472> Details Name: us-gaap-ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-References No definition available. Details Name: us-gaap-TableTextBlock Namespace Prefix: us-gaap-Data Type: xbrli:stringItemType Balance Type: na Period Type: duration Note 11-Income Taxes (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Schedule of Components of Income Tax Expense (Benefit) [Table Text Block] Year ended December 31, 2022 2021 Tax provision summary: State income tax \$ (51) \$ (22) Deferred tax expense-federal (30) Deferred tax benefit-state 2-Tax expense \$ (79) \$ (22) Schedule of Effective Income Tax Rate Reconciliation [Table Text Block] 2022 2021 Federal statutory rate 21.00% 21.00% State taxes, net of federal benefit (2.02)% 5.21% Foreign rate differential (2.51)% (26.47)% PPP Loan Forgiveness-(128.43)% Fair value of Warrant Liability/Contingent Consideration (79.66)% 0.00% Discrete items, Transaction items, and Other (2.37)% 21.92% Changes in valuation allowance 69.60% 115.43% Effective tax rate 4.04% 8.66% Schedule of Deferred Tax Assets and Liabilities [Table Text Block] December 31, 2022 2021 Deferred tax assets (liabilities): Reserves \$ 472 \$ 267 Property and equipment 165 (2) Accrued expenses 593 106 Right-of-use Asset (253) (91) Right-of-use Liability 253 91 IRC 163 (j) Interest Deduction 18 18 Debt issuance costs 286 Non-qualified stock options 1,469 1,074 IRC Section 174 196 R & D credits 2,312 1,801 Net foreign carryforwards 3,664 3,485 US net operating loss and credit carryforwards 37,953 35,448 Intangibles (3,737) (11) Total deferred tax liabilities, net 43,391 42,186 Valuation allowance (43,419) (42,186) Net deferred tax liabilities \$ (28) \$ - X- Definition Tabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning-of-the-year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name>

Accounting Standards Codification-Topic 740-SubTopic 10-Section 50-Paragraph 9-URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32639-109319> Details Name: us-gaap-ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: durationX-Definition Tabular disclosure of the components of net deferred tax asset or liability recognized in an entity's statement of financial position, including the following: the total of all deferred tax liabilities, the total of all deferred tax assets, the total valuation allowance recognized for deferred tax assets. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32537-109319> Details Name: us-gaap-ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: durationX-Definition Tabular disclosure of the reconciliation using percentage or dollar amounts of the reported amount of income tax expense attributable to continuing operations for the year to the amount of income tax expense that would result from applying domestic federal statutory tax rates to pretax income from continuing operations. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-12-URI-https://asc.fasb.org/extlink&oid=121826272&loc=d3e32687-109319> Details Name: us-gaap-ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: durationX-References No definition available. Details Name: us-gaap-TableTextBlock Namespace Prefix: us-gaap-Data Type: xbrli:stringItem Type: Balance Type: na Period Type: duration Note 12-Warrants (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Schedule of Stockholders' Equity Note, Warrants or Rights [Table Text Block] Year Ended December 31, 2022 Warrants (Equity) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2022 1,367,737 \$ 13.44 1.73 Warrants issued 1,950,502 4.60 5.00 Warrants exercised (1,950,502) 4.60 4.86 Warrants expired (130,712) 10.44 Warrants reclassified 4,587,002 4.90 4.73 Balance December 31, 2022 5,824,027 \$ 6.56 3.91 Year Ended December 31, 2022 Warrants (Liability) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2022 \$ - Warrants issued 4,587,002 4.90 5.00 Warrants reclassified (4,587,002) (4.90) (5.00) Balance December 31, 2022 \$ - Year Ended December 31, 2021 Warrants (Equity) Weighted Average Exercise Remaining Amount Price Contractual Life Balance January 1, 2021 1,475,633 \$ 13.86 2.83 Warrants issued - Warrants expired (107,896) 14.07 Balance December 31, 2021 1,367,737 \$ 13.44 1.73 X-Definition Tabular disclosure of warrants or rights issued. Warrants and rights outstanding are derivative securities that give the holder the right to purchase securities (usually equity) from the issuer at a specific price within a certain time frame. Warrants are often included in a new debt issue to entice investors by a higher return potential. The main difference between warrants and call options is that warrants are issued and guaranteed by the company, whereas options are exchange instruments and are not issued by the company. Also, the lifetime of a warrant is often measured in years, while the lifetime of a typical option is measured in months. Disclose the title of issue of securities called for by warrants and rights outstanding, the aggregate amount of securities called for by warrants and rights outstanding, the date from which the warrants or rights are exercisable, and the price at which the warrant or right is exercisable. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5047-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5047-113901) Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-50-Section-S99-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6784392&loc=d3e188667-122775> Details Name: us-gaap-ScheduleOfStockholdersEquityNoteWarrantsOrRightsTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-References No definition available. Details Name: us-gaap-TableTextBlock Namespace Prefix: us-gaap-Data Type: xbrli:stringItem Type: Balance Type: na Period Type: duration Note 13-Stock-based Compensation (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Share-Based Payment Arrangement, Option, Exercise Price Range [Table Text Block] Weighted Average Weighted Remaining Average Range of Exercise Number Contractual Exercise Options Exercise Prices between Outstanding Life Price Exercisable Price \$ 0.01 - \$ 4.00 - \$ - \$ 4.01 - \$ 8.00 566,673 7.63 7.42 352,227 \$ 7.47 8.01 96,237 3.02 25.37 96,237 \$ 25.37 662,910 6.96 \$ 10.02 448,464 Weighted Average Weighted Remaining Average Range of Exercise Number Contractual Exercise Options Exercise Prices between Outstanding Life Price Exercisable Price \$ 0.01 - \$ 4.00 - \$ - \$ 4.01 - \$ 8.00 240,000 7.42 7.59 80,000 \$ 7.59 8.01 - \$ - \$ 240,000 7.42 7.59 80,000 Weighted Average Weighted Remaining Average Range of Exercise Number Contractual Exercise Options Exercise Prices between Outstanding Life Price Exercisable Price \$ 0.01 - \$ 4.00 633,334 2.13 3.00 - \$ 4.01 - \$ 8.00 - \$ - \$ 8.01 - \$ - \$ 633,334 2.13 3.00 Share-Based Payment Arrangement, Option, Activity [Table Text Block] Market Vesting Options Time Vesting Options Performance Vesting Options Weighted Average Exercise Options Exercise Options Exercise Date / Activity Outstanding Price Outstanding Price Outstanding Price Balance, December 31, 2021 - 689,603 10.44 266,667 \$ 7.59 Granted 633,334 3.00 - Exercised - - - Forfeited or expired - (26,712) 8.37 (26,667) 7.59 Balance, December 31, 2022 633,334 1.00 662,891 10.02 240,000 \$ 7.59 Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding [Table Text Block] Share Price Targets Guaranteed Total Executive \$ 6.00 \$ 9.00 \$ 12.00 \$ 15.00 \$ 18.00 Pseudo Shares Mills Shares Vested 16,667 33,334 50,000 66,667 83,333 83,333 333 333 334 Logan Shares Vested 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000 Percentage of Shares Vested 5% 10% 15% 20% 25% 25% Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block] Risk-free interest rate 3.30% Expected term (in years) 2.68 Expected price volatility 123.53% Dividend yield 0% Risk-free interest rate 1.60% Expected term (in years) 6.25 Expected price volatility 97.78% Dividend yield 0% Risk-free interest rate 0.66% Expected term (in years) 6.25 Expected price volatility 89.18% Dividend yield 0% X-Definition Tabular disclosure of number, weighted-average exercise price or conversion ratio, aggregate intrinsic value, and weighted-average remaining contractual term for outstanding options that are fully vested and expected to vest. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(c\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(c)-(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ScheduleOfShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-Definition Tabular disclosure of option exercise prices, by grouped ranges, including the upper and lower limits of the price range, the number of shares under option, weighted average exercise price and remaining contractual option terms. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(e\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(e)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-Definition Tabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(e\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(e)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(f\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(f)-(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-Definition Tabular disclosure of the significant assumptions used during the year to estimate the fair value of stock options, including, but not limited to: (a) expected term of share options and similar instruments, (b) expected volatility of the entity's shares, (c) expected dividends, (d) risk-free rate (s), and (e) discount for post-vesting restrictions. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(f\)-\(2\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(f)-(2)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock Namespace Prefix: us-gaap-Data Type: dtr-types: textBlockItem Type: Balance Type: na Period Type: duration X-References No definition available. Details Name: us-gaap-TableTextBlock Namespace Prefix: us-gaap-Data Type: xbrli:stringItem Type: Balance Type: na Period Type: duration Note 14-Leases (Tables) 12 Months Ended Dec. 31, 2022 Notes Tables Lease, Cost [Table Text Block] Year Ended Year Ended December 31, December 31, (in thousands) 2022 2021 Weighted Average Remaining Lease Term Leases (in years) 3.2 2.8 Weighted Average Discount Rate Operating leases 10.0% 10.0% Lessee, Operating Lease, Liability, Maturity [Table Text Block] Operating (in thousands) Leases 2023 \$ 755 2024 459 2025 455 2026 112 2027 86 Total undiscounted cash flows 1,867 Less imputed interest (283) Present value of lease liabilities 1,584 Current maturities of operating leases 711 Long-term obligations under operating leases 873 Present value of lease liabilities 1,584

Supplemental Cash Flow Information Related to Leases [Table Text Block] Year Ended Year Ended December 31, December 31, (in thousands) 2022-2021 Cash paid for amounts included in the measurement of lease liabilities: Operating cash flows from operating leases \$ 597 \$ 383 X- Definition Tabular disclosure of supplemental cash flow information related to leases. References No definition available. Details Name: crex- SupplementalCashFlowInformationRelatedToLeasesTableTextBlock Namespace Prefix: crex_ Data Type: dtr- types: textBlockItemType Balance Type: na Period Type: durationX- Definition Tabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income. References Reference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-50-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=128292326&loc=SL77918686-209980> Details Name: us-gaap-LeaseCostTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr- types: textBlockItemType Balance Type: na Period Type: durationX- Definition Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position. References Reference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-50-Paragraph-6-URI-https://asc.fasb.org/extlink&oid=128292326&loc=SL77918701-209980> Details Name: us-gaap-LesseeOperatingLeaseLiabilityMaturityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr- types: textBlockItemType Balance Type: na Period Type: durationX- References No definition available. Details Name: us-gaap-TableTextBlock Namespace Prefix: us-gaap_ Data Type: xbrli: stringItemType Balance Type: na Period Type: durationNote 1- Nature of Organization and Operations (Details Textual) USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022 Dec. 31, 2021 Retained Earnings (Accumulated Deficit), Total \$ (50, 409) \$ (52, 254) Cash and Cash Equivalents, at Carrying Value, Total 1, 633 2, 883 Operating Income (Loss), Total (2, 480) (2, 549) Net Cash Provided by (Used in) Operating Activities, Total (708) \$ 471 Working Capital \$ (2, 514) X- Definition The amount of working capital. References No definition available. Details Name: crex-WorkingCapital Namespace Prefix: crex_ Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: instantX- Definition Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3044-108585> Reference 2: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-45-Paragraph-1-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=124098289&loc=d3e6676-107765](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-45-Paragraph-1-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=124098289&loc=d3e6676-107765) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph\(SX-210.5-02\(1\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph(SX-210.5-02(1))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: instantX- Definition Amount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-25-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3526-108585> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-24-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3521-108585> Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585> Details Name: us-gaap-NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli: monetaryItemType Balance Type: na Period Type: durationX- Definition The net result for the period of deducting operating expenses from operating revenues. References Reference 1: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-31-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8924-108599> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-30-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-30-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph\(c\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph(c)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph\(f\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph(f)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599) Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599> Details Name: us-gaap-OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- Definition The cumulative amount of the reporting entity's undistributed earnings or deficit. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph\(SX-210.5-02\(30\)\(a\)\(3\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph(SX-210.5-02(30)(a)(3))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 2: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-852-SubTopic-10-Section-55-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph\(SX-210.7-03\(a\)\(23\)\(a\)\(4\)\)-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph(SX-210.7-03(a)(23)(a)(4))-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph\(h\)\(2\)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph(h)(2)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641) Reference 5: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-1-Subparagraph\(SX-210.3-04\)-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-1-Subparagraph(SX-210.3-04)-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph\(g\)\(2\)\(i\)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-40-Section-65-Paragraph-2-Subparagraph(g)(2)(i)-URI-https://asc.fasb.org/extlink&oid=124501264&loc=SL117420844-207641) Details Name: us-gaap-RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: instant Note 2- Summary of Significant Accounting Policies (Details Textual) USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022 Dec. 31, 2021 Inventory Write-down \$ 1, 275 \$ 409 Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount (in shares) 7, 360, 271 2, 324, 007 Unrecognized Tax Benefits, Ending Balance \$ 0 \$ 0 Depreciation, Total Capitalized Computer Software, Additions \$ 4, 444 \$ 1, 140 Capitalized Computer Software, Amortization Period (Year) 3 years Safe Space Solutions [Member] Inventory Write-down \$ 1, 249 X- Definition Period for amortization of capitalized software costs. References No definition available. Details Name: crex-CapitalizedComputerSoftwareAmortizationPeriod Namespace Prefix: crex_ Data Type: xbrli: durationItemType Balance Type: na Period Type: durationX- Definition Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph\(c\)-URI-https://asc.fasb.org/extlink&oid=124422515&loc=d3e3550-109257](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-260-SubTopic-10-Section-50-Paragraph-1-Subparagraph(c)-URI-https://asc.fasb.org/extlink&oid=124422515&loc=d3e3550-109257) Details Name: us-gaap-AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli: sharesItemType Balance Type: na Period Type: durationX- Definition Additions made to capitalized computer software costs during the period. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-1-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275) Details Name: us-gaap-CapitalizedComputerSoftwareAdditions Namespace Prefix: us-gaap_ Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX- Definition The amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e2602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e2602-108585) Details Name: us-gaap-Depreciation Namespace Prefix: us-gaap_ Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX- Definition Amount of loss from reductions in inventory due to subsequent measurement adjustments, including, but not limited to, physical deterioration, obsolescence, or changes in price levels. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher>

FASB-Name Accounting Standards Codification-Topic 330-SubTopic 10-Section 50-Paragraph 2-URI <https://asc.fasb.org/extlink&oid=116847112&loc=d3e4542-108314> Details Name: us-gaap-InventoryWriteDownNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: durationX-DefinitionAmount of unrecognized tax benefits. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-45-Paragraph-10B-URI-https://asc.fasb.org/extlink&oid=123427490&loc=SL37586924-109318>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-15A-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=121826272&loc=SL6600010-109319](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-15A-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=121826272&loc=SL6600010-109319) Details Name: us-gaap-UnrecognizedTaxBenefitsNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: instantX-Details Name: srt-ProductOrServiceAxis=crex-SafeSpaceSolutionsMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: Note 2-Summary of Significant Accounting Policies-Inventories (Details)-USD (\$) \$ in Thousands Dec. 31, 2022 Dec. 31, 2021Raw materials, net of reserve of \$ 1, 777 and \$ 502, respectively \$ 1, 671 \$ 1, 583Work-in-processTotal inventories \$ 2, 267 \$ 1, 880X-DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.5-02\(6\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.5-02(6))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 2: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-45-Paragraph-1-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=124098289&loc=d3e6676-107765](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-45-Paragraph-1-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=124098289&loc=d3e6676-107765)Reference 3: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-852-SubTopic-10-Section-55-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Details Name: us-gaap-InventoryNetNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantX-DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of unprocessed items to be consumed in the manufacturing or production process. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-\(SAB-Topic-5-BB\)-URI-https://asc.fasb.org/extlink&oid=27011343&loc=d3e100047-122729](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-(SAB-Topic-5-BB)-URI-https://asc.fasb.org/extlink&oid=27011343&loc=d3e100047-122729)Reference 2: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.5-02\(6\)\(a\)\(4\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.5-02(6)(a)(4))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-InventoryRawMaterialsNetOfReservesNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantX-DefinitionAmount before valuation and LIFO reserves of merchandise or goods in the production process expected to be completed within one year or operating cycle, if longer. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.5-02\(6\)\(a\)\(3\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.5-02(6)(a)(3))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-InventoryWorkInProcessNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantNote 2-Summary of Significant Accounting Policies-Inventories (Details) (Parentheticals)-USD (\$) \$ in Thousands Dec. 31, 2022 Dec. 31, 2021Reserve \$ 1, 777 \$ 502X-DefinitionAmount of valuation reserve for inventory. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.5-02\(6\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.5-02(6))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-\(SAB-Topic-5-BB\)-URI-https://asc.fasb.org/extlink&oid=27011343&loc=d3e100047-122729](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-330-SubTopic-10-Section-S99-Paragraph-2-Subparagraph-(SAB-Topic-5-BB)-URI-https://asc.fasb.org/extlink&oid=27011343&loc=d3e100047-122729) Details Name: us-gaap-InventoryValuationReservesNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: instantNote 2-Summary of Significant Accounting Policies-Property and Equipment (Details)-USD (\$) \$ in Thousands Dec. 31, 2022 Dec. 31, 2021Gross property and equipment \$ 658 \$ 401Less: accumulated depreciation and amortization (457) (326) Net property and equipmentEquipment [Member] Gross property and equipmentLeasehold Improvements [Member] Gross property and equipmentFurniture and Fixtures [Member] Gross property and equipmentProperty, Plant and Equipment, Other Types [Member] Gross property and equipment \$ 124 \$ 56X-DefinitionAmount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(c\)-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(c)-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.5-02\(13\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.5-02(13))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.5-02\(14\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.5-02(14))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-AccumulatedDepreciationAndAmortizationPropertyPlantAndEquipmentNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: instantX-DefinitionAmount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.5-02\(13\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.5-02(13))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-360-SubTopic-10-Section-50-Paragraph-1-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=6391035&loc=d3e2868-110229)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-\(SX-210.7-03\(a\)\(8\)\)-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-(SX-210.7-03(a)(8))-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910)Reference 4: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-852-SubTopic-10-Section-55-Paragraph-10-URI-https://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Details Name: us-gaap-PropertyPlantAndEquipmentNetNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantX-Details Name: us-gaap-PropertyPlantAndEquipmentByTypeAxis=us-gaap-EquipmentMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: us-gaap-PropertyPlantAndEquipmentByTypeAxis=us-gaap-LeaseholdImprovementsMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: us-gaap-PropertyPlantAndEquipmentByTypeAxis=us-gaap-FurnitureAndFixturesMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: us-gaap-PropertyPlantAndEquipmentByTypeAxis=us-gaap-PropertyPlantAndEquipmentOtherTypesMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: Note 2-Summary of Significant Accounting Policies-Estimated Useful Lives (Details) 12 Months Ended Dec. 31, 2022 Equipment [Member] Minimum [Member] Useful lives (Year) 3 yearsEquipment [Member] Maximum [Member] Useful lives (Year) 5 yearsFurniture and Fixtures [Member] Useful lives (Year) 5 yearsX-DefinitionUseful life of long-lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDtNnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment. ReferencesNo definition available. Details Name: us-gaap-PropertyPlantAndEquipmentUsefulLifeNamespace-Prefix: us-gaap-Data-Type: xbrli:durationItemType-Balance-Type: na-Period-Type: durationX-Details Name: us-gaap-PropertyPlantAndEquipmentByTypeAxis=us-gaap-EquipmentMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: srt-RangeAxis=srt-MinimumMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: srt-RangeAxis=srt-MinimumMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: X-Details Name: us-gaap-PropertyPlantAndEquipmentByTypeAxis=us-gaap-FurnitureAndFixturesMemberNamespace-Prefix: Data-Type: na-Balance-Type: Period-Type: Note 4-Revenue Recognition (Details Textual) 12 Months Ended Dec. 31, 2022 Software Licensing and Delivery [Member] Minimum [Member] Revenue Recognition, Contract Term (Month) 12 monthsSoftware Licensing and Delivery [Member] Maximum [Member] Revenue Recognition, Contract Term (Month) 36 monthsSupport Service [Member] Minimum [Member] Revenue Recognition, Contract Term (Month) 12 monthsSupport Service [Member] Maximum [Member] Revenue Recognition, Contract Term (Month) 36 monthsMaintenance and Support Service [Member] Minimum [Member] Revenue Recognition, Contract Term (Month) 12 monthsMaintenance and Support Service [Member] Maximum [Member] Revenue Recognition, Contract Term (Month) 36 monthsMedia [Member] Minimum [Member] Revenue Recognition, Contract Term (Month) 28 daysMedia [Member] Maximum [Member] Revenue Recognition, Contract Term (Month) 3 yearsX-DefinitionRepresents contract term under revenue recognition. ReferencesNo

definition available. Details Name: crex_RevenueRecognitionContractTerm Namespace Prefix: crex_Data Type: xbrli:durationItemType Balance Type: na Period Type: durationX-Details Name: srt_ProductOrServiceAxis=crex_SoftwareLicensingAndDeliveryMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=crex_SupportServiceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=crex_MaintenanceAndSupportServiceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=crex_MediaMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 4-Revenue Recognition-Disaggregation of Revenue (Details)-USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022-Dec. 31, 2021 Total sales \$ 43,350 \$ 18,437 Hardware [Member] Total sales 19,895 9,450 Installation Services [Member] Total sales 5,693 2,600 Software Development Services [Member] Total sales Media [Member] Total sales 1,511 License [Member] Total sales 1,375 Managed Services [Member] Total sales 14,320 5,596 Service [Member] Total sales \$ 23,455 \$ 8,987X-Definition Amount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-41-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9038-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-41-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9038-108599) Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-606-SubTopic-10-Section-50-Paragraph-5-URI-https://asc.fasb.org/extlink&oid=126920106&loc=SL49130545-203045> Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-32-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8933-108599) Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-30-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-30-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8906-108599) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599) Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599) Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-606-SubTopic-10-Section-50-Paragraph-4-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=126920106&loc=SL49130543-203045](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-606-SubTopic-10-Section-50-Paragraph-4-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=126920106&loc=SL49130543-203045) Reference 9: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-42-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9054-108599> Reference 10: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-40-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9031-108599> Reference 11: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-924-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SAB-Topic-11-L\)-URI-https://asc.fasb.org/extlink&oid=6472922&loc=d3e499488-122856](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-924-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SAB-Topic-11-L)-URI-https://asc.fasb.org/extlink&oid=6472922&loc=d3e499488-122856) Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Details Name: srt_ProductOrServiceAxis=crex_HardwareMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=crex_InstallationServicesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=crex_SoftwareDevelopmentServicesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=crex_MediaMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=us-gaap_LicenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=crex_ManagedServicesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_ProductOrServiceAxis=us-gaap_ServiceMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 6-Supplemental Cash Flow Statement Information-Supplemental Cash Flow Statement Information (Details)-USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022-Dec. 31, 2021 Capitalized software in accounts payable \$ 556 \$ 0 Property and equipment in accounts payable Conversion of disbursed escrow loan into common stock Increase in debt related to financing fees Decrease in debt discount via amended Credit Agreement Interest 1,350 Income taxes, net \$ 43 \$ 32X-Definition Amount of capitalized software in accounts payable. References No definition available. Details Name: crex_CapitalizedSoftwareInAccountsPayable Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Definition Amount of decrease in debt discount. References No definition available. Details Name: crex_DecreaseInDebtDiscount Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Definition Future cash outflow to pay for purchases of fixed assets that have occurred. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-5-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4332-108586> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4304-108586> Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-3-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4304-108586> Details Name: us-gaap_CapitalExpendituresIncurredButNotYetPaid Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Definition The value of the financial instrument (s) that the original debt is being converted into in a noncash (or part noncash) transaction." Part noncash" refers to that portion of the transaction not resulting in cash receipts or cash payments in the period. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-3-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4304-108586> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-5-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4332-108586> Details Name: us-gaap_DebtConversionConvertedInstrumentAmount Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Definition The amount of debt issuance costs that were incurred during a noncash or partial noncash transaction. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-3-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4304-108586> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4313-108586> Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-5-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4332-108586> Details Name: us-gaap_DebtIssuanceCostsIncurredDuringNoneashOrPartialNoneashTransaction Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-Definition The amount of cash paid during the current period to foreign, federal, state, and local authorities as taxes on income, net of any cash received during the current period as refunds for the overpayment of taxes. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4297-108586> Details Name: us-gaap_IncomeTaxesPaidNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-Definition Amount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4297-108586> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-17-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3367-108585](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-17-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3367-108585) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-25-Subparagraph-\(e\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3536-108585](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-25-Subparagraph-(e)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3536-108585) Details Name: us-gaap_InterestPaidNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration Note 7-Intangible Assets and Goodwill (Details-Textual)-USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022-Dec. 31, 2021 Amortization of Intangible Assets \$ 2,702 \$ 1,251 Trade Names [Member] Impairment of Intangible Assets, Finite-Lived Customer Lists [Member] Impairment of Intangible Assets, Finite-Lived \$ 1,370 X-Definition The aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to

benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-\(2\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-(2)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275)Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-45-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=6388964&loc=d3e16225-109274>Details Name: us-gaap-AmortizationOfIntangibleAssets-Namespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: durationX-DefinitionThe amount of impairment loss recognized in the period resulting from the write-down of the carrying amount of a finite-lived intangible asset to fair value. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16373-109275](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16373-109275)Details Name: us-gaap-ImpairmentOfIntangibleAssets-FiniteLivedNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: durationX-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis = us-gaap-TradeNamesMember-Namespace-Prefix: Data-Type: na Balance-Type: Period-Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis = us-gaap-CustomerListsMember-Namespace-Prefix: Data-Type: na Balance-Type: Period-Type: Note 7-Intangible Assets and Goodwill-Intangible Assets (Details)-USD (\$) \$ in Thousands Dec. 31, 2022-Dec. 31, 2021Finite-Lived Intangible Assets, Gross \$ 35,151 \$ 13,547Finite-Lived Intangible Assets, Accumulated Amortization 11,399 8,697Net book value of amortizable intangible assets 23,752 4,850Technology-Based Intangible Assets [Member]Finite-Lived Intangible Assets, Gross 9,765 4,635Finite-Lived Intangible Assets, Accumulated Amortization 4,354 3,652Purchased and Developed Software [Member]Finite-Lived Intangible Assets, Gross 4,682 3,488Finite-Lived Intangible Assets, Accumulated Amortization 3,375 2,713In-process Internally Developed Software Platform [Member]Finite-Lived Intangible Assets, Gross 4,074Finite-Lived Intangible Assets, Accumulated AmortizationCustomer Relationships [Member]Finite-Lived Intangible Assets, Gross 15,000 3,960Finite-Lived Intangible Assets, Accumulated Amortization 2,849 1,692Trademarks and Trade Names [Member]Finite-Lived Intangible Assets, Gross 1,600Finite-Lived Intangible Assets, Accumulated AmortizationNonecompete Agreements [Member]Finite-Lived Intangible Assets, GrossFinite-Lived Intangible Assets, Accumulated Amortization \$ 13 \$ 0X-DefinitionAccumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-(1)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-\(16\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-(16))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Details Name: us-gaap-FiniteLivedIntangibleAssetsAccumulatedAmortization-Namespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: credit Period-Type: instantX-DefinitionAmount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-928-SubTopic-340-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6473545&loc=d3e61844-108004>Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-(1)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275)Details Name: us-gaap-FiniteLivedIntangibleAssetsGross-Namespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: instantX-DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-928-SubTopic-340-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6473545&loc=d3e61844-108004>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-928-SubTopic-340-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=6473545&loc=d3e61844-108004>Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis = us-gaap-TechnologyBasedIntangibleAssetsMember-Namespace-Prefix: Data-Type: na Balance-Type: Period-Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis = us-gaap-PurchasedAndDevelopedSoftwareMember-Namespace-Prefix: Data-Type: na Balance-Type: Period-Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis = us-gaap-CustomerRelationshipsMember-Namespace-Prefix: Data-Type: na Balance-Type: Period-Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis = us-gaap-TrademarksAndTradeNamesMember-Namespace-Prefix: Data-Type: na Balance-Type: Period-Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis = us-gaap-NonecompeteAgreementsMember-Namespace-Prefix: Data-Type: na Balance-Type: Period-Type: Note 7-Intangible Assets and Goodwill-Estimated Amortization (Details) \$ in Thousands Dec. 31, 2022 USD (\$) \$ 3,2723,1092,8752,408Thereafter \$ 12,088X-DefinitionAmount of amortization for asset, excluding financial asset and goodwill, lacking physical substance with finite life expected to be recognized after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). ReferencesNo definition available. Details Name: crex-FiniteLivedIntangibleAssetExpectedAmortizationAfterYearFour-Namespace-Prefix: crex-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: instantX-DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-\(3\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-(3)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275)Details Name: us-gaap-FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths-Namespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: instantX-DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-\(3\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-(3)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275)Details Name: us-gaap-FiniteLivedIntangibleAssetsAmortizationExpenseYearFour-Namespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: instantX-DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-\(3\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-(3)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275)Details Name: us-gaap-FiniteLivedIntangibleAssetsAmortizationExpenseYearThree-Namespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: instantX-DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-\(a\)-\(3\)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-350-SubTopic-30-Section-50-Paragraph-2-Subparagraph-(a)-(3)-URI-https://asc.fasb.org/extlink&oid=66006027&loc=d3e16323-109275)Details Name: us-gaap-FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo-Namespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType Balance-Type: debit Period-Type: instantNote 7-Intangible Assets and Goodwill-Schedule of Acquired Finite-lived Intangible Assets (Details) 12-Months Ended Dec. 31, 2022-Technology-Based Intangible Assets [Member]|| Minimum [Member]|| Useful Life (Year) 7 yearsTechnology-Based Intangible Assets [Member]|| Maximum [Member]|| Useful Life (Year) 10 yearsPurchased and Developed Software [Member]|| Minimum [Member]|| Useful Life (Year) 3 yearsPurchased and Developed Software [Member]|| Maximum [Member]|| Useful Life (Year) 5 yearsTrademarks [Member]|| Minimum [Member]|| Useful Life (Year) 3 yearsTrademarks [Member]|| Maximum [Member]|| Useful Life (Year) 5 yearsCustomer Relationships [Member]|| Minimum [Member]|| Useful Life (Year) 3 yearsCustomer Relationships [Member]|| Maximum [Member]|| Useful Life (Year) 15 yearsNonecompete Agreements [Member]|| Useful Life (Year) 2 yearsX-DefinitionUseful life of finite-lived intangible assets, in 'PnYnMnDnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days.

ReferencesNo definition available. Details Name: us-gaap-FiniteLivedIntangibleAssetUsefulLife-Namespace Prefix: us-gaap-Data Type: xbrli: durationItem Type: Balance Type: na-Period Type: durationX-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis-us-gaap-TechnologyBasedIntangibleAssetsMember-Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: srt-RangeAxis=srt-MinimumMember-Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: srt-RangeAxis=srt-MaximumMember-Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis=crex-PurchasedAndDevelopedSoftwareMember-Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap-TrademarksMember-Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap-CustomerRelationshipsMember-Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap-FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap-NoncompeteAgreementsMember-Namespace Prefix: Data Type: na-Balance Type: Period Type: Note 8-Loans Payable (Details Textual)-USD (\$) \$ / shares in Units, \$ in Thousands12-Months EndedFeb. 11, 2023 Oct. 31, 2022 Feb. 17, 2022 May 13, 2021 Mar. 27, 2021 Apr. 27, 2020 Jun. 30, 2018 Dec. 31, 2022 Dec. 31, 2021 Feb. 17, 2023 Feb. 19, 2020Gain (Loss) on Extinguishment of Debt, Total \$ (0) \$ 1, 552 Gain (Loss) on Settlement of Debt \$ (237) 3, 449 Lender Warrant [Member] Class of Warrant or Right, Number of Securities Called by Warrants or Rights (in shares) 1, 731, 499 1, 731, 499 Warrants and Rights Outstanding, Term (Year) 5 years 5 years Class of Warrant or Right, Exercise Price of Warrants or Rights (in dollars per share) \$ 6. 00 \$ 6. 00 Warrant or Right Outstanding, Fair Value Per Warrant (in dollars per share) \$ 2. 4387 Acquisition Term Loan [Member] Debt Instrument, Interest Rate, Cash Interest 8. 00 % Debt Instrument, Unamortized Discount, Total \$ 2, 032 Proceeds from Issuance of Long-Term Debt, Total 9, 868 Seller Note [Member] Debt Instrument, Interest Rate, Cash Interest 0. 59 % Gain (Loss) on Settlement of Debt (0) 1, 538 Seller Note [Member] Subsequent Event [Member] Debt Instrument, Interest Rate, Cash Interest 4. 60 % Consolidation Term Loan [Member] Debt Instrument, Interest Rate, Cash Interest 10. 00 % Debt Instrument, Face Amount \$ 7, 185 Debt Instrument, Interest Rate, Stated Percentage 10. 00 % Percentage of Warrant Covered by Debt 75. 00 % Number of Warrants Covered by Debt (in shares) 898, 165 Gain (Loss) on Extinguishment of Debt, Total \$ (295) Debt Instrument, Unamortized Discount, Total \$ 2, 190 Term Loan with Related Party [Member] Debt Instrument, Interest Rate, Cash Interest 12. 50 % Secured Promissory Note [Member] Debt Instrument, Face Amount \$ 2, 500 Debt Instrument, Interest Rate, Stated Percentage 0. 59 % Debt Instrument, Periodic Payment, Total \$ 104 Secured Promissory Note [Member] Subsequent Event [Member] Debt Instrument, Interest Rate, Stated Percentage 4. 60 % Debt Instrument, Periodic Payment, Total \$ 104 Senior Secured Term Loan [Member] Debt Instrument, Face Amount 4, 767 Secured Convertible Loan [Member] Debt Instrument, Face Amount 2, 418 Acquisition Loan With Slipstream [Member] Debt Instrument, Interest Rate, Stated Percentage 8. 00 % Percentage of Warrant Covered by Debt 50. 00 % Number of Warrants Covered by Debt (in shares) 833, 334 Proceeds from Loans \$ 10, 000 Proceeds from Loans, Net 9, 950 Acquisition and Consolidation Term Loans [Member] Interest Expense, Debt, Total 1, 267 Term Loan 2022 [Member] Debt Instrument, Face Amount \$ 2, 000 Debt Instrument, Interest Rate, Stated Percentage 12. 50 % Debt Instrument, Periodic Payment, Total \$ 270 Proceeds from Issuance of Long-Term Debt, Total \$ 2, 000 Loan and Security Agreement [Member] Gain (Loss) on Extinguishment of Debt, Total \$ 26 Debt Instrument, Unamortized Discount, Total Debt Instrument, Fee Amount \$ 69 Secured Disbursed Escrow Promissory Note [Member] Proceeds from Issuance of Long-Term Debt, Total \$ 264 Paycheck Protection Program Loan from Small Business Administration [Member] Debt Instrument, Interest Rate, Stated Percentage 1. 00 % Gain (Loss) on Extinguishment of Debt, Total 1, 552 Proceeds from Issuance of Unsecured Debt \$ 1, 552 Debt Instrument, Term (Year) 2 years Amended and Restated Seller Note from Acquisition of Allure [Member] Debt Instrument, Face Amount \$ 1, 637 Debt Instrument, Interest Rate, Stated Percentage 3. 50 % Repayments of Debt \$ 100 Gain (Loss) on Settlement of Debt 1, 624 Amended and Restated Seller Note Principal [Member] Gain (Loss) on Settlement of Debt 1, 538 Amended and Restated Seller Note Related Interest [Member] Gain (Loss) on Settlement of Debt \$ 86 X-DefinitionPercentage of cash interest for funds borrowed, under the debt agreement. ReferencesNo definition available. Details Name: crex-DebtInstrumentInterestRateCashInterest-Namespace Prefix: crex-Data Type: dtr-types: percentItem Type: Balance Type: na-Period Type: instantX-DefinitionRepresents amount of gain or loss on settlement of debt. ReferencesNo definition available. Details Name: crex-GainLossOnSettlementOfDebt-Namespace Prefix: crex-Data Type: xbrli: monetaryItem Type: Balance Type: credit-Period Type: durationX-DefinitionRepresents number of warrants that are covered by debt. ReferencesNo definition available. Details Name: crex-NumberOfWarrantsCoveredByDebt-Namespace Prefix: crex-Data Type: xbrli: sharesItem Type: Balance Type: na-Period Type: instantX-DefinitionRepresents amount of warrants covered by debt. ReferencesNo definition available. Details Name: crex-PercentageOfWarrantCoveredByDebt-Namespace Prefix: crex-Data Type: dtr-types: percentItem Type: Balance Type: na-Period Type: instantX-DefinitionNet amount of cash received from principal payments made on loans related to operating activities. ReferencesNo definition available. Details Name: crex-ProceedsFromLoansNet-Namespace Prefix: crex-Data Type: xbrli: monetaryItem Type: Balance Type: debit-Period Type: durationX-DefinitionPer share fair value of warrants or rights outstanding. ReferencesNo definition available. Details Name: crex-WarrantOrRightOutstandingFairValuePerWarrant-Namespace Prefix: crex-Data Type: dtr-types: perShareItem Type: Balance Type: na-Period Type: instantX-DefinitionExercise price per share or per unit of warrants or rights outstanding. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-Section50-Paragraph3-URIhttps://asc.fasb.org/extlink&oid=126973232&loc=d3e21475-112644> Details Name: us-gaap-ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1-Namespace Prefix: us-gaap-Data Type: dtr-types: perShareItem Type: Balance Type: na-Period Type: instantX-DefinitionNumber of securities into which the class of warrant or right may be converted. For example, but not limited to, 500, 000 warrants may be converted into 1, 000, 000 shares. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-Section50-Paragraph3-URIhttps://asc.fasb.org/extlink&oid=126973232&loc=d3e21475-112644> Details Name: us-gaap-ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights-Namespace Prefix: us-gaap-Data Type: xbrli: sharesItem Type: Balance Type: na-Period Type: instantX-DefinitionFace (par) amount of debt instrument at time of issuance. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section50-Paragraph1B-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section50-Paragraph1B-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611) Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic835-SubTopic30-Section45-Paragraph2-URIhttps://asc.fasb.org/extlink&oid=124435984&loc=d3e28551-108399> Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic835-SubTopic30-Section55-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=114775985&loc=d3e28878-108400> Reference 4: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic835-SubTopic30-Section50-Paragraph1-URIhttps://asc.fasb.org/extlink&oid=124429444&loc=SL124452920-239629> Reference 5: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section55-Paragraph69C-URIhttps://asc.fasb.org/extlink&oid=123466577&loc=SL123495737-112612> Reference 6: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section55-Paragraph69B-URIhttps://asc.fasb.org/extlink&oid=123466577&loc=SL123495735-112612> Details Name: us-gaap-DebtInstrumentFaceAmount-Namespace Prefix: us-gaap-Data Type: xbrli: monetaryItem Type: Balance Type: credit-Period Type: instantX-DefinitionAmount of the fee that accompanies borrowing money under the debt instrument. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02-22\(b\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02-22(b))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-DebtInstrumentFeeAmount-Namespace Prefix: us-gaap-Data Type: xbrli: monetaryItem Type: Balance Type: debit-Period Type: instantX-DefinitionContractual interest rate for funds borrowed, under the debt agreement. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section50-Paragraph1B-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic470-SubTopic20-Section50-Paragraph1B-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02-22\(a\)\(1\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02-22(a)(1))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap-DebtInstrumentInterestRateStatedPercentage-Namespace Prefix: us-gaap-Data Type: dtr-types: percentItem Type: Balance Type: na-Period Type: instantX-DefinitionAmount of the required periodic payments including both interest and principal payments. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02-22\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02-22)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic942-SubTopic40-Section50-Paragraph3-Subparagraph\(c\)-URIhttps://asc.fasb.org/extlink&oid=123599511&loc=d3e64711-112823](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic942-SubTopic40-Section50-Paragraph3-Subparagraph(c)-URIhttps://asc.fasb.org/extlink&oid=123599511&loc=d3e64711-112823) Details Name: us-gaap-DebtInstrumentPeriodicPayment-Namespace Prefix: us-gaap-Data Type: xbrli: monetaryItem Type: Balance Type: debit-Period Type: durationX-DefinitionPeriod of time between issuance and maturity of debt instrument, in PnYnMnDtnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. ReferencesNo definition available. Details Name: us-gaap-DebtInstrumentTerm-Namespace Prefix: us-gaap-Data Type: xbrli: durationItem Type: Balance Type: na-Period Type: durationX-

DefinitionAmount, after accumulated amortization, of debt discount. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-835-SubTopic-30-Section-45-Paragraph-1A-URI-https://asc.fasb.org/extlink&oid=124435984&loc=d3e28541-108399>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-835-SubTopic-30-Section-55-Paragraph-8-URI-https://asc.fasb.org/extlink&oid=114775985&loc=d3e28878-108400>Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1D-Subparagraph\(a\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495340-112611](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1D-Subparagraph(a)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495340-112611)Details Name: us-gaap_DebtInstrumentUnamortizedDiscount Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX-DefinitionDifference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-50-Section-40-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=126972273&loc=d3e12355-112629>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-50-Section-40-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=126972273&loc=d3e12355-112629>Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-28-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585)Details Name: us-gaap_GainsLossesOnExtinguishmentOfDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionAmount of the cost of borrowed funds accounted for as interest expense for debt. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-6-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=123466204&loc=SL6036836-161870](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-6-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=123466204&loc=SL6036836-161870)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-220-SubTopic-10-Section-S99-Paragraph-2-Subparagraph\(SX-210-5-03-8\)-URI-https://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-220-SubTopic-10-Section-S99-Paragraph-2-Subparagraph(SX-210-5-03-8)-URI-https://asc.fasb.org/extlink&oid=126953954&loc=SL114868664-224227)Reference 3: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-55-Paragraph-69F-URI-https://asc.fasb.org/extlink&oid=123466577&loc=SL123495745-112612>Reference 4: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-55-Paragraph-69E-URI-https://asc.fasb.org/extlink&oid=123466577&loc=SL123495743-112612>Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1F-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495355-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1F-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495355-112611)Details Name: us-gaap_InterestExpenseDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe cash inflow from a debt initially having maturity due after one year or beyond the operating cycle, if longer. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-14-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-14-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585)Details Name: us-gaap_ProceedsFromIssuanceOfLongTermDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe cash inflow from the issuance of long-term debt that is not secured by collateral. Excludes proceeds from tax exempt unsecured debt. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-14-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-14-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585)Details Name: us-gaap_ProceedsFromIssuanceOfUnsecuredDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionCash received from principal payments made on loans related to operating activities. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-25-Subparagraph\(c\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3536-108585](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-25-Subparagraph(c)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3536-108585)Details Name: us-gaap_ProceedsFromLoans Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX-DefinitionThe cash outflow during the period from the repayment of aggregate short-term and long-term debt. Excludes payment of capital lease obligations. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-15-Subparagraph\(b\)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3291-108585](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-45-Paragraph-15-Subparagraph(b)-URI-https://asc.fasb.org/extlink&oid=126954810&loc=d3e3291-108585)Details Name: us-gaap_RepaymentsOfDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: durationX-DefinitionPeriod between issuance and expiration of outstanding warrant and right embodying unconditional obligation requiring redemption by transferring asset at specified or determinable date or upon event certain to occur, in 'PnYnMnDnHnMnS' format, for example, 'PLY5M13D' represents reported fact of one year, five months, and thirteen days. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-820-SubTopic-10-Section-50-Paragraph-2-Subparagraph\(bbb\)\(2\)-URI-https://asc.fasb.org/extlink&oid=126976982&loc=d3e19207-110258](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-820-SubTopic-10-Section-50-Paragraph-2-Subparagraph(bbb)(2)-URI-https://asc.fasb.org/extlink&oid=126976982&loc=d3e19207-110258)Details Name: us-gaap_WarrantsAndRightsOutstandingTerm Namespace Prefix: us-gaap_Data Type: xbrli:durationItemType Balance Type: na Period Type: instantX-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_LenderWarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AcquisitionTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_SellerNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_SubsequentEventTypeAxis = us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_ConsolidationTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_TermLoanWithRelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_SecuredPromissoryNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_SeniorSecuredTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_SecuredConvertibleLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AcquisitionLoanWithSlipstreamMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AcquisitionAndConsolidationTermLoansMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_TermLoan2022Member Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_LoanAndSecurityAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_SecuredDisbursedEscrowPromissoryNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_PaycheckProtectionProgramLoanFromSmallBusinessAdministrationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AmendedAndRestatedSellerNoteFromAcquisitionOfAllureMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AmendedAndRestatedSellerNotePrincipalMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AmendedAndRestatedSellerNoteRelatedInterestMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 8-Loans Payable - Outstanding Debt (Details) USD (\$) 12 Months Ended Dec. 31, 2022 Dec. 31, 2021 Total debt, gross \$ 20,641,000 \$ 7,185,000 Warrants (in shares) 1,731,499 196,079 Debt discount \$ (3,069,000) \$ (144,000) Total debt, net 17,572,000 6,875,000 Less current maturities (4,499,000) Long term debt \$ 13,073,000 \$ 6,875,000 Warrants (in shares) 1,731,499 196,079 Fair value \$ (166,000) Total debt, gross \$ 7,019,000 Secured Convertible Special Loan Promissory Note [Member] Issuance Date Aug. 17, 2016 Total debt, gross \$ 4,767,000 Maturity Date Feb. 17, 2025 Warrants (in shares) 196,079 Maturity Date Feb. 17, 2025 Issuance Date Aug. 17, 2016 Total debt, gross \$ 2,418 Maturity Date Feb. 17, 2025 Warrants (in shares) 196,079 Paycheck Protection Program Loan From Small Business Administration [Member] Issuance Date Dec. 30, 2019 Total debt, gross \$ 2,418 Maturity Date Feb. 17, 2025 Warrants (in shares) 196,079 Maturity Date Dec. 30, 2019 Warrants (in shares) Acquisition Term Loan [Member] Issuance Date Jan. 17, 2022 Total debt, gross \$ 10,000,000 Maturity Date Feb. 15, 2025 Warrants (in shares) 833,334 Maturity Date Feb. 15, 2025 Issuance Date Jan. 17, 2022 Warrants (in shares) 833,334 Seller Note [Member] Issuance Date Jan. 17, 2022 Total debt, gross \$ 1,456,000 Maturity Date Feb. 17, 2024 Warrants (in shares) Maturity Date Feb. 17, 2024 Issuance Date Jan. 17, 2022 Warrants (in shares) Consolidation Term Loan [Member] Issuance Date Jan. 17, 2022 Total debt, gross \$ 7,185,000 Maturity Date Feb. 15, 2025 Warrants (in shares) 898,165 Interest Rate 10.00 % Maturity Date Feb. 15, 2025 Interest Rate 10.00 % Issuance Date Jan. 17, 2022 Warrants (in shares) 898,165 Term Loan with Related Party [Member] Issuance Date Oct. 31, 2022 Total debt, gross \$ 2,000,000 Maturity Date Sep. 01, 2023 Warrants (in shares) Maturity Date Sep. 01, 2023 Issuance Date Oct. 31, 2022 Warrants (in shares) X-DefinitionAmount, after fair value, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt. ReferencesNo definition available. Details Name: crex_DebtInstrumentCarryingAmountExcludingFairValue Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX-DefinitionAmount of long-term debt fair value adjustments to carrying amount. ReferencesNo definition available. Details Name: crex_LongTermDebtFairValues Namespace Prefix: crex_Data Type: xbrli:monetaryItemType Balance Type: credit Period

Type: instantX-DefinitionThe number of warrants issued in exchange for the original debt being converted in a noncash (or part noncash) transaction." Part noncash" refers to that portion of the transaction not resulting in cash receipts or cash payments in the period. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-3-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4304-108586>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-230-SubTopic-10-Section-50-Paragraph-5-URI-https://asc.fasb.org/extlink&oid=126999549&loc=d3e4332-108586>Details Name: us-gaap_DebtConversionConvertedInstrumentWarrantsOrOptionsIssued1 Namespace Prefix: us-gaap_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: durationX-DefinitionAmount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-4-Subparagraph-\(b\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=123466204&loc=SL6031897-161870](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-4-Subparagraph-(b)-(1)-URI-https://asc.fasb.org/extlink&oid=123466204&loc=SL6031897-161870)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-\(SX-210-7-03-\(16\)\)-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-(SX-210-7-03-(16))-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910)Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-\(22\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-(22))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-\(SX-210-9-03-\(16\)\)-URI-https://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-(SX-210-9-03-(16))-URI-https://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878)Details Name: us-gaap_DebtInstrumentCarryingAmount Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instantX-DefinitionContractual interest rate for funds borrowed, under the debt agreement. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1-Subparagraph-\(b\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1-Subparagraph-(b)-(1)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-22\(a\)-\(1\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-22(a)-(1))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_Data Type: dtr-types:percentItem Type Balance Type: na Period Type: instantX-DefinitionDate the debt instrument was issued, in YYYY-MM-DD format. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-22\(a\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-22(a))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Details Name: us-gaap_DebtInstrumentIssuanceDate1 Namespace Prefix: us-gaap_Data Type: xbrli:dateItem Type Balance Type: na Period Type: durationX-DefinitionDate when the debt instrument is scheduled to be fully repaid, in YYYY-MM-DD format. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-22\(a\)-\(2\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-22(a)-(2))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Reference 2: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-\(d\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-(d)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611)Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-820-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(bbb\)-\(2\)-URI-https://asc.fasb.org/extlink&oid=126976982&loc=d3e19207-110258](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-820-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(bbb)-(2)-URI-https://asc.fasb.org/extlink&oid=126976982&loc=d3e19207-110258)Details Name: us-gaap_DebtInstrumentMaturityDate Namespace Prefix: us-gaap_Data Type: xbrli:dateItem Type Balance Type: na Period Type: durationX-DefinitionAmount, after accumulated amortization, of debt issuance costs. Includes, but is not limited to, legal, accounting, underwriting, printing, and registration costs. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1D-Subparagraph-\(a\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495340-112611](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1D-Subparagraph-(a)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495340-112611)Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-835-SubTopic-30-Section-45-Paragraph-3-URI-https://asc.fasb.org/extlink&oid=124435984&loc=d3e28555-108399>Details Name: us-gaap_DeferredFinanceCostsNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instantX-DefinitionAmount, excluding unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-4-Subparagraph-\(b\)-\(2\)-URI-https://asc.fasb.org/extlink&oid=123466204&loc=SL6031897-161870](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-4-Subparagraph-(b)-(2)-URI-https://asc.fasb.org/extlink&oid=123466204&loc=SL6031897-161870)Reference 2: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-55-Paragraph-69C-URI-https://asc.fasb.org/extlink&oid=123466577&loc=SL123495737-112612>Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-\(SX-210-7-03-\(a\)-\(16\)\)-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-(SX-210-7-03-(a)-(16))-URI-https://asc.fasb.org/extlink&oid=126734703&loc=d3e572229-122910)Reference 4: <http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-55-Paragraph-69B-URI-https://asc.fasb.org/extlink&oid=123466577&loc=SL123495735-112612>Reference 5: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-\(SX-210-9-03-\(16\)\)-URI-https://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-210-Section-S99-Paragraph-1-Subparagraph-(SX-210-9-03-(16))-URI-https://asc.fasb.org/extlink&oid=126897435&loc=d3e534808-122878)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1D-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495340-112611](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1D-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=123466505&loc=SL123495340-112611)Reference 7: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-\(22\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-(22))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Details Name: us-gaap_LongTermDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instantX-DefinitionAmount, excluding unamortized premium (discount) and debt issuance cost, of long-term debt, classified as current. Includes, but not limited to, notes payable, bonds payable, debentures, mortgage loans and commercial paper. Excludes capital lease obligations. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-19,20\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-19,20)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Details Name: us-gaap_LongTermDebtCurrent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instantX-DefinitionAmount, excluding unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-\(22\)\)-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-(22))-URI-https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682)Details Name: us-gaap_LongTermDebtNoncurrent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instantX-Details Name: us-gaap_LongtermDebtTypeAxis = crex_SecuredConvertibleSpecialLoanPromissoryNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_LongtermDebtTypeAxis = crex_PaycheckProtectionProgramLoanFromSmallBusinessAdministrationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_AcquisitionTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_SellerNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_ConsolidationTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = crex_TermLoanWithRelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 9-Commitments and Contingencies (Details Textual) USD (\$) \$ in Thousands 12 Months Ended Mar. 10, 2023 May 13, 2021 Oct. 10, 2019 Dec. 31, 2022 Dec. 31, 2021 Gain (Loss) on Settlement of Debt \$ (237) \$ 3, 449 Legacy Accounts Payable Deemed to No Longer Be Legal Obligation to Vendors [Member] Settlement of Obligation, Amount Payment of Commitment Obligation Gain Loss on Settlement of Obligations Lease Abandoned in 2015 [Member] Gain (Loss) on Lease Abandoned Amended and Restated Seller Note from Acquisition of Allure [Member] Repayments of Debt \$ 100 Gain (Loss) on Settlement of Debt 1, 624 P.P.P Loan [Member] Gain (Loss) on Settlement of Debt 1, 552 Amended and Restated Seller Note Principal [Member] Gain (Loss) on Settlement of Debt 1, 538 Amended and Restated Seller Note Related Interest [Member] Gain (Loss) on Settlement of Debt \$ 86 Alleged Breach of Contract Related to Hardware Failures of Equipment Installations Performed by Allure [Member] Loss Contingency, Damages Sought, Value \$ 3, 200 Alleged Breach of Contract Related to Hardware Failures of Equipment Installations Performed by Allure [Member] Subsequent Event [Member] Litigation Settlement, Amount Awarded to Other Party \$ 733 Litigation Settlement, Amount Awarded to Other Party, Covered by Insurance Litigation Settlement, Amount Awarded to Other Party, Not Covered by Insurance \$ 33 X-DefinitionAmount of gain or loss on lease abandoned. ReferencesNo definition available. Details Name: crex_GainLossOnLeaseAbandoned Namespace Prefix: crex_Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: durationX-DefinitionRepresents amount of gain or loss on settlement of debt.

ReferencesNo definition available. Details Name: crex_GainLossOnSettlementOfDebt Namespace Prefix: crex_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- DefinitionAmount of gain or loss on settlement of obligations. ReferencesNo definition available. Details Name: crex_GainLossOnSettlementOfObligations Namespace Prefix: crex_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- DefinitionRepresents the amount covered by insurance of the total amount awarded to other party in judgement or settlement of litigation. ReferencesNo definition available. Details Name: crex_LitigationSettlementAmountAwardedToOtherPartyCoveredByInsurance Namespace Prefix: crex_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- DefinitionRepresents the amount not covered by insurance for total amount awarded to other party in judgement or settlement of litigation. ReferencesNo definition available. Details Name: crex_LitigationSettlementAmountAwardedToOtherPartyNotCoveredByInsurance Namespace Prefix: crex_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- DefinitionAmount of payment of commitment obligation. ReferencesNo definition available. Details Name: crex_PaymentOfCommitmentObligation Namespace Prefix: crex_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- DefinitionGross amount of obligation settlement. ReferencesNo definition available. Details Name: crex_SettlementOfObligationAmount Namespace Prefix: crex_Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX- DefinitionAmount awarded to other party in judgement or settlement of litigation. ReferencesNo definition available. Details Name: us_gaap_LitigationSettlementAmountAwardedToOtherParty Namespace Prefix: us_gaap_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- DefinitionThe value (monetary amount) of the award the plaintiff seeks in the legal matter. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic450-SubTopic20-Section50-Paragraph4-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=121557415&loc=d3e14435-108349](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic450-SubTopic20-Section50-Paragraph4-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=121557415&loc=d3e14435-108349)Reference 2: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic450-SubTopic20-Section50-Paragraph1-URIhttps://asc.fasb.org/extlink&oid=121557415&loc=d3e14326-108349>Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic450-SubTopic20-Section50-Paragraph9-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=121557415&loc=d3e14557-108349](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic450-SubTopic20-Section50-Paragraph9-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=121557415&loc=d3e14557-108349)Details Name: us_gaap_LossContingencyDamagesSoughtValue Namespace Prefix: us_gaap_Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX- DefinitionThe cash outflow during the period from the repayment of aggregate short-term and long-term debt. Excludes payment of capital lease obligations. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph15-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e2291-108585](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph15-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e2291-108585)Details Name: us_gaap_RepaymentsOfDebt Namespace Prefix: us_gaap_Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- Details Name: us_gaap_OtherCommitmentsAxis = crex_LegacyAccountsPayableDeemedToNoLongerBeLegalObligaionToVendorsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us_gaap_LeaseContractualTermAxis = crex_LeaseAbandonedIn2015Member Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us_gaap_DebtInstrumentAxis = crex_AmendedAndRestatedSellerNoteFromAcquisitionOfAllureMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us_gaap_DebtInstrumentAxis = crex_PPPLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us_gaap_DebtInstrumentAxis = crex_AmendedAndRestatedSellerNotePrincipalMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us_gaap_DebtInstrumentAxis = crex_AmendedAndRestatedSellerNoteRelatedInterestMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt_LitigationCaseAxis = crex_AllegedBreachOfContractRelatedToHardwareFailuresOfEquipmentInstallationsPerformedByAllureMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us_gaap_SubsequentEventTypeAxis = us_gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Note 10-Business Combination (Details Textual) \$ / shares in Units, \$ in Thousands3 Months Ended 12 Months EndedDec. 31, 2022 \$ / sharesFeb. 17, 2022 USD (\$) \$ / sharesNov. 12, 2021 USD (\$) \$ / shares sharesFeb. 17, 2022 USD (\$) \$ / sharesFeb. 17, 2022 USD (\$) \$ / sharesDec. 31, 2022 USD (\$) \$ / sharesDec. 31, 2021 USD (\$) Business Combination, Contingent Consideration Arrangements, Change in Amount of Contingent Consideration, Liability \$ (1,074) \$ (0) Secured Promissory Note [Member] Debt Instrument, Interest Rate, Stated Percentage 0.59% 0.59% 0.59% Debt Instrument, Periodic Payment, Principal \$ 104 Reflect Systems, Inc. [Member] Payments to Acquire Businesses, Gross \$ 16,166 \$ 16,664 [1] Business Acquisition, Equity Interest Issued or Issuable, Number of Shares (in shares) | shares 777, 778 Business Acquisition, Share Price (in dollars per share) | \$ / shares \$ 6 Business Acquisition, Contingent Consideration, Maximum Share Price (in dollars per share) | \$ / shares \$ 19.20 Business Acquisition, Contingent Consideration, Threshold Number of Billable Devices Online 85, 000 Business Combination, Contingent Consideration, Billable Devices Online, Maximum Share Price (in dollars per share) | \$ / shares \$ 19.20 \$ 21.60 \$ 19.20 Business Combination, Contingent Consideration, Billable Devices Online, Reduction in Share Price (in dollars per share) | \$ / shares \$ 2.40 Business Acquisition, Extension Option, Minimum Extension Threshold Price Percentage 70.00% Business Acquisition, Extension Option, Minimum Extension Threshold Price Percentage, Increase in Price 80.00% Business Acquisition, Extension Option, Minimum Extension Threshold Price, Increase in Price (in dollars per share) | \$ / shares \$ 3.00 Goodwill, Purchase Accounting Adjustments \$ 5,262 Business Combination, Consideration Transferred, Deposit Previously Paid \$ 818 [2] Business Combination, Acquisition Related Costs \$ 444 Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment, Total \$ 96 Business Combination, Contingent Consideration Arrangements, Change in Amount of Contingent Consideration, Liability 5,262 Reflect Systems, Inc. [Member] | Minimum [Member] Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life (Year) 2 years Reflect Systems, Inc. [Member] | Maximum [Member] Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life (Year) 10 years Reflect Systems, Inc. [Member] | Retention Bonus Plan [Member] Deferred Compensation Arrangement with Individual, Cash Award Granted, Amount \$ 1,334 \$ 1,334 \$ 1,334 Deferred Compensation Arrangement with Individual, Cash Awards Granted, Percentage Paid 50.00% Deferred Compensation Arrangement with Individual, Cash Awards Granted, Percentage to be Paid, Year One 25.00% 25.00% 25.00% Deferred Compensation Arrangement with Individual, Cash Awards Granted, Percentage to be Paid, Year Two 25.00% 25.00% 25.00% Deferred Compensation Arrangement with Individual, Fair Value of Shares Issued and Issuable \$ 667 Deferred Compensation Arrangement with Individual, Percentage of Shares Issued 50.00% Deferred Compensation Arrangement with Individual, Percentage of Shares to be Issued, Year One 25.00% 25.00% 25.00% Deferred Compensation Arrangement with Individual, Percentage of Shares to be Issued, Year Two 25.00% 25.00% 25.00% Shares Issued, Price Per Share (in dollars per share) | \$ / shares \$ 6.00 \$ 6.00 \$ 6.00 [1] Cash consideration for outstanding shares of Reflect capital stock per Merger Agreement. [2] Prior to the Merger, Reflect had engaged the Company on a project and paid the Company a deposit of \$ 818. These amounts reduced consideration paid by the Company in accordance with ASC 805. X- DefinitionMaximum per share or per unit price of contingent consideration in business acquisition. ReferencesNo definition available. Details Name: crex_BusinessAcquisitionContingentConsiderationMaximumSharePrice Namespace Prefix: crex_Data Type: dtl- types: perShareItemType Balance Type: na Period Type: instantX- DefinitionThe threshold number of billable devices online for contingent consideration in business acquisition. ReferencesNo definition available. Details Name: crex_BusinessAcquisitionContingentConsiderationThresholdNumberOfBillableDevicesOnline Namespace Prefix: crex_Data Type: xbrli: integerItemType Balance Type: na Period Type: instantX- DefinitionPercentage of minimum extension threshold price per share for extension option un business acquisition. ReferencesNo definition available. Details Name: crex_BusinessAcquisitionExtensionOptionMinimumExtensionThresholdPrice Namespace Prefix: crex_Data Type: dtl- types: percentItemType Balance Type: na Period Type: instantX- DefinitionPer share or per unit increase in price for minimum extension threshold price in extension option of a business acquisition. ReferencesNo definition available. Details Name: crex_BusinessAcquisitionExtensionOptionMinimumExtensionThresholdPriceIncreaseInPrice Namespace Prefix: crex_Data Type: dtl- types: perShareItemType Balance Type: na Period Type: instantX- DefinitionThe minimum percentage of extension threshold price for an increase in price for extension option in a business acquisition. ReferencesNo definition available. Details Name: crex_BusinessAcquisitionExtensionOptionMinimumExtensionThresholdPricePercentageIncreaseInPrice Namespace Prefix: crex_Data Type: dtl- types: percentItemType Balance Type: na Period Type: instantX- DefinitionAmount of deposit previously paid by the acquiree for services that is included as part of consideration transferred in a business combination. ReferencesNo definition available. Details Name: crex_BusinessCombinationConsiderationTransferredDepositPreviouslyPaid Namespace Prefix: crex_Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX- DefinitionMaximum per share or per unit price if billable devices online hits threshold for contingent consideration in business combination. ReferencesNo definition available. Details Name: crex_BusinessCombinationContingentConsiderationBillableDevicesOnlineMaximumSharePrice Namespace Prefix: crex_Data Type: dtl- types: perShareItemType Balance Type: na Period Type: instantX- DefinitionThe reduction in the per share or per unit price if billable devices online hits threshold for contingent consideration in business combination. ReferencesNo definition available. Details Name: crex_BusinessCombinationContingentConsiderationBillableDevicesOnlineReductionInSharePrice Namespace Prefix: crex_Data Type: dtl- types: perShareItemType Balance Type: na Period Type: durationX- DefinitionPercentage paid of commitment made to pay deferred cash remuneration. ReferencesNo

definition available. Details Name: crex_DeferredCompensationArrangementWithIndividualCashAwardsGrantedPercentagePaid Namespace Prefix: crex_Data Type: dtr types: percentItem Type Balance Type: na Period Type: durationX-Definition Percentage of commitment made to pay deferred cash remuneration that will be paid in year one. ReferencesNo definition available. Details Name: crex_DeferredCompensationArrangementWithIndividualCashAwardsGrantedPercentageToBePaidYearOne Namespace Prefix: crex_Data Type: dtr types: percentItem Type Balance Type: na Period Type: instantX-Definition Percentage of commitment made to pay deferred cash remuneration that will be paid in year two. ReferencesNo definition available. Details Name: crex_DeferredCompensationArrangementWithIndividualCashAwardsGrantedPercentageToBePaidYearTwo Namespace Prefix: crex_Data Type: dtr types: percentItem Type Balance Type: na Period Type: instantX-Definition The total fair value of shares issued during the period and issuable under a deferred compensation arrangement. ReferencesNo definition available. Details Name: crex_DeferredCompensationArrangementWithIndividualFairValueOfSharesIssuedAndIssuable Namespace Prefix: crex_Data Type: xbrli: monetaryItem Type Balance Type: credit Period Type: durationX-Definition Percentage of shares issued pursuant to the terms of a deferred compensation arrangement. ReferencesNo definition available. Details Name: crex_DeferredCompensationArrangementWithIndividualPercentageOfSharesIssued Namespace Prefix: crex_Data Type: dtr types: percentItem Type Balance Type: na Period Type: durationX-Definition Percentage of shares to be issued in year one pursuant to the terms of a deferred compensation arrangement. ReferencesNo definition available. Details Name: crex_DeferredCompensationArrangementWithIndividualPercentageOfSharesToBeIssuedYearOne Namespace Prefix: crex_Data Type: dtr types: percentItem Type Balance Type: na Period Type: instantX-Definition Percentage of shares to be issued in year two pursuant to the terms of a deferred compensation arrangement. ReferencesNo definition available. Details Name: crex_DeferredCompensationArrangementWithIndividualPercentageOfSharesToBeIssuedYearTwo Namespace Prefix: crex_Data Type: dtr types: percentItem Type Balance Type: na Period Type: instantX-Definition Weighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDtInHnMnS' format, for example, 'PIYSM13D' represents the reported fact of one year, five months, and thirteen days. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 350-SubTopic 30-Section 50-Paragraph 1-Subparagraph (a) (3)-URI <https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275> Details Name: us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife Namespace Prefix: us-gaap_Data Type: xbrli: durationItem Type Balance Type: na Period Type: durationX-Definition Number of shares of equity interests issued or issuable to acquire entity. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 805-SubTopic 30-Section 50-Paragraph 1-Subparagraph (b) (4)-URI <https://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479> Details Name: us-gaap_BusinessAcquisitionEquityInterestIssuedOrIssuableNumberOfSharesIssued Namespace Prefix: us-gaap_Data Type: xbrli: sharesItem Type Balance Type: na Period Type: durationX-Definition Price of a single share of a number of saleable stocks paid or offered to be paid in a business combination. ReferencesNo definition available. Details Name: us-gaap_BusinessAcquisitionSharePrice Namespace Prefix: us-gaap_Data Type: dtr types: perShareItem Type Balance Type: na Period Type: instantX-Definition This element represents acquisition-related costs incurred to effect a business combination which costs have been expensed during the period. Such costs include finder's fees; advisory, legal, accounting, valuation, and other professional or consulting fees; general administrative costs; including the costs of maintaining an internal acquisitions department; and may include costs of registering and issuing debt and equity securities. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 805-SubTopic 10-Section 25-Paragraph 23-URI <https://asc.fasb.org/extlink&oid=123586518&loc=d3e1043-128460> Details Name: us-gaap_BusinessCombinationAcquisitionRelatedCosts Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit Period Type: durationX-Definition Amount of increase (decrease) in the value of a contingent consideration liability, including, but not limited to, differences arising upon settlement. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> Publisher FASB Name Accounting Standards Codification-Topic 230-SubTopic 10-Section 45-Paragraph 28-Subparagraph (a)-URI <https://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> Publisher FASB Name Accounting Standards Codification-Topic 805-SubTopic 30-Section 50-Paragraph 4-Subparagraph (a) (1)-URI <https://asc.fasb.org/extlink&oid=126975305&loc=d3e7008-128479> Details Name: us-gaap_BusinessCombinationContingentConsiderationArrangementsChangeInAmountOfContingentConsiderationLiability1 Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit Period Type: durationX-Definition The amount of property, plant, and equipment recognized as of the acquisition date. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 805-SubTopic 10-Section 55-Paragraph 37-URI <https://asc.fasb.org/extlink&oid=123455525&loc=d3e2207-128464> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 805-SubTopic 20-Section 50-Paragraph 1-Subparagraph (c)-URI <https://asc.fasb.org/extlink&oid=128092470&loc=d3e4845-128472> Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPropertyPlantAndEquipment Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit Period Type: instantX-Definition Contractual interest rate for funds borrowed, under the debt agreement. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> Publisher FASB Name Accounting Standards Codification-Topic 470-SubTopic 20-Section 50-Paragraph 1B-Subparagraph (b)-URI <https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.5-02.22(a) (1))-URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_Data Type: dtr types: percentItem Type Balance Type: na Period Type: instantX-Definition Amount of the required periodic payments applied to principal. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 210-SubTopic 10-Section S99-Paragraph 1-Subparagraph (SX 210.5-02.22)-URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Details Name: us-gaap_DebtInstrumentPeriodicPaymentPrincipal Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit Period Type: durationX-Definition Amount of commitment made to pay deferred cash remuneration. ReferencesNo definition available. Details Name: us-gaap_DeferredCompensationArrangementWithIndividualCashAwardGrantedAmount Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit Period Type: instantX-Definition Amount of increase (decrease) from adjustments after acquisition date under purchase accounting of an asset representing the future economic benefits arising from other assets acquired in a business combination that are not individually identified and separately recognized. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> Publisher FASB Name Accounting Standards Codification-Topic 350-SubTopic 20-Section 50-Paragraph 1-Subparagraph (g)-URI <https://asc.fasb.org/extlink&oid=121556970&loc=d3e13816-109267> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 805-SubTopic 10-Section 25-Paragraph 16-URI <https://asc.fasb.org/extlink&oid=123586518&loc=d3e961-128460> Details Name: us-gaap_GoodwillPurchaseAccountingAdjustments Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit Period Type: durationX-Definition The cash outflow associated with the acquisition of business during the period. The cash portion only of the acquisition price. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> Publisher FASB Name Accounting Standards Codification-Topic 805-SubTopic 30-Section 50-Paragraph 1-Subparagraph (b) (1)-URI <https://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> Publisher FASB Name Accounting Standards Codification-Topic 230-SubTopic 10-Section 45-Paragraph 13-Subparagraph (b)-URI <https://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585> Details Name: us-gaap_PaymentsToAcquireBusinessesGross Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit Period Type: durationX-Definition Per share or per unit amount of equity securities issued. ReferencesNo definition available. Details Name: us-gaap_SharesIssuedPricePerShare Namespace Prefix: us-gaap_Data Type: dtr types: perShareItem Type Balance Type: na Period Type: instantX-Details Name: us-gaap_DebtInstrumentAxis = crex_SecuredPromissoryNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DeferredCompensationArrangementWithIndividualExcludingShareBasedPaymentsAndPostretirementBenefitsByTypeOfDeferredCompensationAxis = crex_RetentionBonusPlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 10-Business Combination- Preliminary Purchase Price (Details)-Reflect Systems, Inc. [Member]-USD (\$) \$ in Thousands 3 Months Ended Nov. 12, 2021 Feb. 17, 2022 Cash consideration for Reflect stock (1) \$ 16,166 \$ 16,664 [1] Common stock issued to Reflect shareholders (3) [2] 4,667 Total consideration 36,360 Vendor deposit with the Company (7) \$ 818 [3] Cash acquired (8) [4] Net consideration transferred 34,730 Earnout Liability [Member] Liability [5] 10,862 Secured Promissory Note [Member] Liability [6] 2,500 Retention Bonus Plan [Member] Cash consideration for Retention Bonus Plan (2) [7] 1,334 Common stock issued to Retention Bonus Plan (4) [8] \$ 333 [1]

Cash consideration for outstanding shares of Reflect capital stock per Merger Agreement. [2] Company common stock issued in exchange for outstanding shares of Reflect capital stock per Merger Agreement. [3] Prior to the Merger, Reflect had engaged the Company on a project and paid the Company a deposit of \$ 818. These amounts reduced consideration paid by the Company in accordance with ASC 805. [4] Represents the Reflect cash balance acquired at Closing. [5] Represents an estimate of the fair value of the Guaranteed Consideration as of the Merger, which, if any, is payable on or after February 17, 2025 (subject to the Extension Option), in an amount by which the value of the CREX Shares on such anniversary is less than \$ 6.40 per share, or if certain customers of Reflect collectively achieve over 85,000 billable devices online at any time on or before December 31, 2022, is less than \$ 7.20 per share (such applicable amount, the "Guaranteed Price"), multiplied by the amount of CREX Shares held by the Reflect stockholders on the Guarantee Date (subject to the Extension Option), subject to the terms of the Merger Agreement. During the nine months ended September 30, 2022, the Company's third party specialist completed valuation of this contingent liability as of the opening balance sheet date, resulting in a measurement period adjustment recorded to increase goodwill and the contingent liability as of February 17, 2022 by \$ 5,262. [6] The Secured Promissory Note accrues interest at 0.59% (the applicable federal rate at the time of issuance of the Secured Promissory Note) and requires the Company and Reflect to collectively pay equal monthly principal installments of \$ 104 on the fifteenth (15th) day of each month, commencing on March 15, 2022. Any remaining or unpaid principal shall be due and payable on February 17, 2023. [7] Cash consideration utilized to fund the Retention Bonus Plan per Merger Agreement. [8] Company common stock issued to fund the Retention Bonus Plan per Merger Agreement X-Definition Amount of consideration, consisting of acquisition-date fair value of assets transferred by the acquirer, liabilities incurred by the acquirer, and equity interest issued by the acquirer. References No definition available. Details Name: erex_BusinessCombinationConsideration Namespace Prefix: erex_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: duration X-Definition Amount of deposit previously paid by the acquiree for services that is included as part of consideration transferred in a business combination. References No definition available. Details Name: erex_BusinessCombinationConsiderationTransferredDepositPreviouslyPaid Namespace Prefix: erex_Data Type: xbrli:monetaryItem Type: Balance Type: debit Period Type: duration X-Definition Amount of consideration transferred, consisting of acquisition-date fair value of assets transferred by the acquirer, liabilities incurred by the acquirer, and equity interest issued by the acquirer. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section30-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=126966197&loc=d3e6613-128477> Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph1-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph1-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479) Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section30-Paragraph7-URIhttps://asc.fasb.org/extlink&oid=126966197&loc=d3e6578-128477> Details Name: us-gaap_BusinessCombinationConsiderationTransferredEquityInterestsIssuedAndIssuable Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: duration X-Definition Amount of equity interests of the acquirer, including instruments or interests issued or issuable in consideration for the business combination. References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section30-Paragraph7-URIhttps://asc.fasb.org/extlink&oid=126966197&loc=d3e6613-128477> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section30-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=126966197&loc=d3e6613-128477> Reference 3: [http://www.xbrli.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph1-Subparagraph\(b\)\(3\)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479](http://www.xbrli.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph1-Subparagraph(b)(3)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479) Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section30-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=126966197&loc=d3e6613-128477> Details Name: us-gaap_BusinessCombinationConsiderationTransferredLiabilitiesIncurred Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: duration X-Definition The cash inflow associated with the acquisition of business during the period (for example, cash that was held by the acquired business). References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph12-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3179-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph12-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3179-108585) Details Name: us-gaap_CashAcquiredFromAcquisition Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type: Balance Type: debit Period Type: duration X-Definition Amount of distribution made to individual in accordance with deferred compensation arrangement. References No definition available. Details Name: us-gaap_DeferredCompensationArrangementWithIndividualDistributionPaid Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: duration X-Definition The total fair value of shares issued during the period under a deferred compensation arrangement. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(2\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(2)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_DeferredCompensationArrangementWithIndividualFairValueOfSharesIssued Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: duration X-Definition The cash outflow associated with the acquisition of business during the period. The cash portion only of the acquisition price. References Reference 1: [http://www.xbrli.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph1-Subparagraph\(b\)\(1\)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479](http://www.xbrli.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic30-Section50-Paragraph1-Subparagraph(b)(1)-URIhttps://asc.fasb.org/extlink&oid=126975305&loc=d3e6927-128479) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph13-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3213-108585) Details Name: us-gaap_PaymentsToAcquireBusinessesGross Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: duration X-Details Name: us-gaap_BusinessAcquisitionAxis = erex_ReflectSystemsIncMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ContingentConsiderationByTypeAxis = erex_EarnoutLiabilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DebtInstrumentAxis = erex_SecuredPromissoryNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_DeferredCompensationArrangementWithIndividualExcludingShareBasedPaymentsAndPostretirementBenefitsByTypeOfDeferredCompensationAxis = erex_RetentionBonusPlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 10-BusinessCombination-Components of Preliminary Purchase Price Allocation (Details)-USD (\$) \$ in Thousands Dec. 31, 2022 Feb. 17, 2022 Dec. 31, 2021 Nov. 12, 2021 Goodwill \$ 26,453 \$ 7,525 Reflect Systems, Inc. [Member] Accounts receivable \$ 1,359 Inventory Prepaid expenses & other current assets Property and equipment \$ 96 Operating right of use assets Other assets Goodwill 18,935 Accounts payable (104) Accrued expenses (483) Customer deposits (1,661) Deferred revenues (1,259) Current maturities of operating leases (277) Long-term obligations under operating leases (216) Other liabilities (205) Net consideration transferred 34,730 Reflect Systems, Inc. [Member] Trade Names [Member] Identified intangible assets Reflect Systems, Inc. [Member] Developed Technology Rights [Member] Identified intangible assets 5,130 Reflect Systems, Inc. [Member] Nonecompete Agreements [Member] Identified intangible assets 11,040 Reflect Systems, Inc. [Member] Customer Relationships [Member] Identified intangible assets \$ 30 X-Definition Amount of accrued expenses assumed at the acquisition date. References No definition available. Details Name: erex_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccruedExpenses Namespace Prefix: erex_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instant X-Definition Amount of customer deposits assumed at the acquisition date. References No definition available. Details Name: erex_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesCustomerDeposits Namespace Prefix: erex_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instant X-Definition Amount of operating lease liabilities due within one year or within the normal operating cycle, if longer, assumed at the acquisition date. References No definition available. Details Name: erex_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesOperatingLeaseLiabilities Namespace Prefix: erex_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instant X-Definition Amount of operating lease liabilities due after one year or the normal operating cycle, if longer, assumed at the acquisition date. References No definition available. Details Name: erex_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentLiabilitiesOperatingLeaseLiabilities Namespace Prefix: erex_Data Type: xbrli:monetaryItem Type: Balance Type: credit Period Type: instant X-Definition Amount of operating right of use assets acquired at the acquisition date. References No definition available. Details Name:

crex_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedOperatingRightOfUseAssets Namespace Prefix: crex Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- Definition Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer, acquired at the acquisition date. ReferencesReference 1:

SubTopic 30-Section 50-Paragraph 1-Subparagraph (a) (3)-URI <https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275> Details Name: us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife Namespace Prefix: us-gaap_Data Type: xbrli: durationItem Type Balance Type: na-Period Type: durationX-Definition Amount of increase in assets, excluding financial assets, lacking physical substance with a definite life, from an acquisition. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic30-Section50-Paragraph1-Subparagraph\(a\)\(1\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic350-SubTopic30-Section50-Paragraph1-Subparagraph(a)(1)) URI <https://asc.fasb.org/extlink&oid=66006027&loc=d3e16265-109275> Details Name: us-gaap_FiniteLivedIntangibleAssetsAcquired1 Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit-Period Type: durationX-Details Name: us-gaap_BusinessAcquisitionAxis=erex_ReflectSystemsIncMember Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TradeNamesMember Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_DevelopedTechnologyRightsMember Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_NoncompeteAgreementsMember Namespace Prefix: Data Type: na-Balance Type: Period Type: X-Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_CustomerRelationshipsMember Namespace Prefix: Data Type: na-Balance Type: Note 10-Business Combination-Pro Forma Information (Details)-Reflect Systems, Inc. [Member]\$/shares in Units, \$ in Thousands 12 Months Ended Dec. 31, 2021 USD (\$) \$/shares Net sales \$ 30,680 Net income \$ 799 Earnings per common share (in dollars per share) \$/shares \$ 0.06 Net sales \$ 12,243 Net (loss) income \$ 567 X-Definition The pro forma basic net income per share for a period as if the business combination or combinations had been completed at the beginning of a period. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(3\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(3)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(2\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(2)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Details Name: us-gaap_BusinessAcquisitionProFormaEarningsPerShareBasic Namespace Prefix: us-gaap_Data Type: dtm-types: perShareItem Type Balance Type: na-Period Type: durationX-Definition The pro forma net income or loss for the period as if the business combination or combinations had been completed at the beginning of a period. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(3\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(3)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(2\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(2)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Details Name: us-gaap_BusinessAcquisitionsProFormaNetIncomeLoss Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit-Period Type: durationX-Definition The pro forma revenue for a period as if the business combination or combinations had been completed at the beginning of the period. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(2\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(2)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(3\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(3)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Details Name: us-gaap_BusinessAcquisitionsProFormaRevenue Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit-Period Type: durationX-Definition This element represents the amount of earnings or loss of the acquiree since the acquisition date included in the consolidated income statement for the reporting period. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(1\)](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(1)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Details Name: us-gaap_BusinessCombinationProFormaInformationEarningsOrLossOfAcquireeSinceAcquisitionDateActual Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit-Period Type: durationX-Definition This element represents the amount of revenue of the acquiree since the acquisition date included in the consolidated income statement for the reporting period. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph\(h\)\(1\)](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic805-SubTopic10-Section50-Paragraph2-Subparagraph(h)(1)) URI <https://asc.fasb.org/extlink&oid=79982066&loc=d3e1392-128463> Details Name: us-gaap_BusinessCombinationProFormaInformationRevenueOfAcquireeSinceAcquisitionDateActual Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit-Period Type: durationX-Details Name: us-gaap_BusinessAcquisitionAxis=erex_ReflectSystemsIncMember Namespace Prefix: Data Type: na-Balance Type: Period Type: Note 11-Income Taxes (Details-Textual)-USD (\$) Dec. 31, 2022 Dec. 31, 2021 Unrecognized Tax Benefits, Ending Balance \$ 0 \$ 0 Unrecognized Tax Benefits that Would Impact Effective Tax Rate Unrecognized Tax Benefits, Income Tax Penalties and Interest Accrued, Total Operating Loss Carryforwards, Indefinite Carryforward \$ 10,651 X-Definition Amount of operating loss carryforward, before tax effects, available to reduce future taxable income under enacted tax laws that has indefinite carryforward period. ReferencesNo definition available. Details Name: erex_OperatingLossCarryforwardsIndefiniteCarryforward Namespace Prefix: erex_Data Type: xbrli: monetaryItem Type Balance Type: debit-Period Type: instantX-Definition Amount of unrecognized tax benefits. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section45-Paragraph10B> URI <https://asc.fasb.org/extlink&oid=123427490&loc=SL37586934-109318> Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph15A> URI <https://asc.fasb.org/extlink&oid=121826272&loc=SL6600010-109319> Details Name: us-gaap_UnrecognizedTaxBenefits Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit-Period Type: instantX-Definition Amount accrued for interest on an underpayment of income taxes and penalties related to a tax position claimed or expected to be claimed in the tax return. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph15-Subparagraph\(c\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph15-Subparagraph(c)) URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32718-109319> Details Name: us-gaap_UnrecognizedTaxBenefitsIncomeTaxPenaltiesAndInterestAccrued Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit-Period Type: instantX-Definition The total amount of unrecognized tax benefits that, if recognized, would affect the effective tax rate. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph15A-Subparagraph\(b\)](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph15A-Subparagraph(b)) URI <https://asc.fasb.org/extlink&oid=121826272&loc=SL6600010-109319> Details Name: us-gaap_UnrecognizedTaxBenefitsThatWouldImpactEffectiveTaxRate Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: credit-Period Type: instant Note 11-Income Taxes-Income Tax Benefit (Expense) (Details)-USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022 Dec. 31, 2021 State income tax \$ (51) \$ (22) Deferred tax expense-federal (30) Deferred tax benefit-state Tax expense \$ (79) \$ (22) X-Definition Amount of current state and local tax expense (benefit) attributable to income (loss) from continuing operations. Includes, but is not limited to, current regional, territorial, and provincial tax expense (benefit) for non-US (United States of America) jurisdiction. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.4.08\(h\)\(1\)\(Note1\)\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic235-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.4.08(h)(1)(Note1))) URI <https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690> Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph9-Subparagraph\(a\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph9-Subparagraph(a)) URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e23639-109319> Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SABTopic6.I.7\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-SectionS99-Paragraph1-Subparagraph(SABTopic6.I.7)) URI <https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817> Details Name: us-gaap_CurrentStateAndLocalTaxExpenseBenefit Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit-Period Type: durationX-Definition Amount of deferred federal tax expense (benefit) attributable to income (loss) from continuing operations. Includes, but is not limited to, deferred national tax expense (benefit) for non-US (United States of America) jurisdiction. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SABTopic6.I.7\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-SectionS99-Paragraph1-Subparagraph(SABTopic6.I.7)) URI <https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817> Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210.4.08\(h\)\(1\)\(Note1\)\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210.4.08(h)(1)(Note1))) URI <https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690> Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph9-Subparagraph\(b\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph9-Subparagraph(b)) URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e23639-109319> Details Name: us-gaap_DeferredFederalIncomeTaxExpenseBenefit Namespace Prefix: us-gaap_Data Type: xbrli: monetaryItem Type Balance Type: debit-Period Type: durationX-Definition Amount of deferred state and local tax expense (benefit) attributable to income (loss) from continuing operations. Includes, but is not limited to, deferred regional, territorial, and provincial tax expense (benefit) for non-US (United States of America) jurisdiction. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph9-Subparagraph\(b\)](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph9-Subparagraph(b)) URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e23639-109319>

109319Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SAB-Topic-6.1.7\)](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SAB-Topic-6.1.7)) URI <https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817>Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.4-08\(h\)\(1\)\(Note-1\)\)](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.4-08(h)(1)(Note-1))) URI <https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690> Details Name: us-gaap-DeferredStateAndLocalIncomeTaxExpenseBenefitNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: durationX-DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SAB-TOPI-6.1.7\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SAB-TOPI-6.1.7)) URI <https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-10> URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32672-109319>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-22> URI <https://asc.fasb.org/extlink&oid=126901519&loc=d3e8736-108599>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.4-08\(h\)\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.4-08(h))) URI <https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-250-SubTopic-10-Section-50-Paragraph-9> URI <https://asc.fasb.org/extlink&oid=124431687&loc=d3e22663-107794>Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-20-Section-45-Paragraph-2-Subparagraph-\(a\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-20-Section-45-Paragraph-2-Subparagraph-(a)) URI <https://asc.fasb.org/extlink&oid=123586238&loc=d3e38679-109324>Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-220-Section-S99-Paragraph-1-Subparagraph-\(SX-210.7-04\(9\)\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-944-SubTopic-220-Section-S99-Paragraph-1-Subparagraph-(SX-210.7-04(9))) URI <https://asc.fasb.org/extlink&oid=120400993&loc=SL114874131-224263>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-250-SubTopic-10-Section-50-Paragraph-8> URI <https://asc.fasb.org/extlink&oid=124431687&loc=d3e22658-107794> Details Name: us-gaap-IncomeTaxExpenseBenefitNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: durationNote 11- Income Taxes- Reconciliation of Effective Income Tax Rate (Details) 12-Months Ended Dec. 31, 2022 Dec. 31, 2021 Federal statutory rate 21.00 % 21.00 % State taxes, net of federal benefit (2.02 %) 5.21 % Foreign rate differential (2.51 %) (26.47 %) PPP Loan Forgiveness 0.00 % (128.43 %) Fair value of Warrant Liability / Contingent Consideration (79.66 %) 0.00 % Discrete items, Transaction items, and Other (2.37 %) 21.92 % Changes in valuation allowance 69.60 % 115.43 % Effective tax rate 4.04 % 8.66 % X-Definition Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to debt forgiveness. ReferencesNo definition available. Details Name: crex-EffectiveIncomeTaxRateReconciliationDebtForgivenessPercentNamespace-Prefix: crex-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationX-Definition Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to discrete items, transaction items and other adjustments. ReferencesNo definition available. Details Name: crex-EffectiveIncomeTaxRateReconciliationDiscreteItemsTransactionItemsAndOtherAdjustmentsPercentNamespace-Prefix: crex-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationX-Definition Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to fair value of warrant liability or contingent consideration. ReferencesNo definition available. Details Name: crex-EffectiveIncomeTaxRateReconciliationFairValueOfWarrantLiabilityContingentConsiderationPercentNamespace-Prefix: crex-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationX-Definition Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-12> URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32687-109319> Details Name: us-gaap-EffectiveIncomeTaxRateContinuingOperationsNamespace-Prefix: us-gaap-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationX-Definition Percentage of domestic federal statutory tax rate applicable to pretax income (loss). ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SAB-Topic-6.1.Fact.4\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SAB-Topic-6.1.Fact.4)) URI <https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210.4-08\(h\)\(2\)\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-235-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210.4-08(h)(2))) URI <https://asc.fasb.org/extlink&oid=120395691&loc=d3e23780-122690>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-12> URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32687-109319> Details Name: us-gaap-EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRateNamespace-Prefix: us-gaap-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationX-Definition Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to changes in the valuation allowance for deferred tax assets. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SAB-Topic-6.1.Fact.4\)](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SAB-Topic-6.1.Fact.4)) URI <https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817>Reference 2: <http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-12> URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32687-109319> Details Name: us-gaap-EffectiveIncomeTaxRateReconciliationChangeInDeferredTaxAssetsValuationAllowanceNamespace-Prefix: us-gaap-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationX-Definition Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations applicable to statutory income tax expense (benefit) outside of the domestic of domicile. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-12> URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32687-109319> Details Name: us-gaap-EffectiveIncomeTaxRateReconciliationForeignIncomeTaxRateDifferentialNamespace-Prefix: us-gaap-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationX-Definition Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations applicable to state and local income tax expense (benefit), net of federal tax expense (benefit). ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SAB-Topic-6.1.Fact.4\)](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SAB-Topic-6.1.Fact.4)) URI <https://asc.fasb.org/extlink&oid=122134291&loc=d3e330036-122817>Reference 2: <http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-740-SubTopic-10-Section-50-Paragraph-12> URI <https://asc.fasb.org/extlink&oid=121826272&loc=d3e32687-109319> Details Name: us-gaap-EffectiveIncomeTaxRateReconciliationStateAndLocalIncomeTaxesNamespace-Prefix: us-gaap-Data-Type: dtr-types: percentItemType-Balance-Type: na-Period-Type: durationNote 11- Income Taxes- Deferred Tax Assets and Liabilities (Details) USD (\$) \$ in Thousands Dec. 31, 2022 Dec. 31, 2021 Reserves \$ 472 \$ 267 Property and equipment Property and equipment (2) Accrued expenses Right-of-use Asset (253) (91) Right-of-use Liability IRC 163 (j) Interest Deduction Debt issuance costs Non-qualified stock options 1,469 1,074 IRC Section 174R & D credits 2,312 1,801 Net foreign carryforwards 3,664 3,485 US net operating loss and credit carryforwards 37,953 35,448 Intangibles (3,737) (11) Total deferred tax liabilities, net 43,391 42,186 Valuation allowance (43,419) (42,186) Net deferred tax liabilities \$ (28) \$ 0X-Definition Amount before allocation of valuation allowances of deferred tax asset attributable to capitalized research and development. ReferencesNo definition available. Details Name: crex-DeferredTaxAssetsCapitalizedResearchAndDevelopmentNamespace-Prefix: crex-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantX-Definition Amount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from debt issuance costs. ReferencesNo definition available. Details Name: crex-DeferredTaxAssetsDebtIssuanceCostsNamespace-Prefix: crex-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantX-Definition Amount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from interest deduction. ReferencesNo definition available. Details Name: crex-DeferredTaxAssetsInterestDeductionNamespace-Prefix: crex-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantX-Definition Amount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary

differences from leasing arrangement. ReferencesNo definition available. Details Name: crex_DeferredTaxAssetsLeasingArrangement Namespace Prefix: crex_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount before allocation of valuation allowances of deferred tax asset attributable to deductible operating loss and credit carryforwards. ReferencesNo definition available. Details Name: crex_DeferredTaxAssetsOperatingLossAndCreditCarryforwards Namespace Prefix: crex_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences and carryforwards. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph2-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32537-109319](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph2-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32537-109319) Details Name: us-gaap_DeferredTaxAssetsGrossNamespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, without jurisdictional netting. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph2-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32537-109319> Details Name: us-gaap_DeferredTaxAssetsLiabilitiesNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount before allocation of valuation allowances of deferred tax asset attributable to deductible foreign operating loss carryforwards. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Details Name: us-gaap_DeferredTaxAssetsOperatingLossCarryforwardsForeign Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from property, plant, and equipment. ReferencesNo definition available. Details Name: us-gaap_DeferredTaxAssetsPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount before allocation of valuation allowances of deferred tax asset attributable to deductible research tax credit carryforwards. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph3-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32559-109319](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph3-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32559-109319) Reference 3: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Details Name: us-gaap_DeferredTaxAssetsTaxCreditCarryforwardsResearch Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from share-based compensation. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Reference 3: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Details Name: us-gaap_DeferredTaxAssetsTaxDeferredExpenseCompensationAndBenefitsShareBasedCompensationCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from accrued liabilities. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Reference 2: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Details Name: us-gaap_DeferredTaxAssetsTaxDeferredExpenseReservesAndAccrualsAccruedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount, before allocation of valuation allowance, of deferred tax asset attributable to deductible temporary differences from reserves, classified as other. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Reference 2: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Details Name: us-gaap_DeferredTaxAssetsTaxDeferredExpenseReservesAndAccrualsReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instantX- DefinitionAmount of deferred tax assets for which it is more likely than not that a tax benefit will not be realized. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph2-Subparagraph\(e\)-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32537-109319](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph2-Subparagraph(e)-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32537-109319) Details Name: us-gaap_DeferredTaxAssetsValuationAllowance Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- DefinitionAmount of deferred tax liability attributable to taxable temporary differences from intangible assets other than goodwill. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Details Name: us-gaap_DeferredTaxLiabilitiesGoodwillAndIntangibleAssetsIntangibleAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- DefinitionAmount of deferred tax liability attributable to taxable temporary differences from leasing arrangements. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Reference 2: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Details Name: us-gaap_DeferredTaxLiabilitiesLeasingArrangements Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- DefinitionAmount of deferred tax liability attributable to taxable temporary differences from property, plant, and equipment. ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph6-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32621-109319> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic740-SubTopic10-Section50-Paragraph8-URIhttps://asc.fasb.org/extlink&oid=121826272&loc=d3e32632-109319> Details Name: us-gaap_DeferredTaxLiabilitiesPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant Note 12- Warrants (Details Textual)-USD (\$) \$ / shares in Units, \$ in Thousands 12 Months Ended Jun. 30, 2022 Feb. 03, 2022 Dec. 31, 2022 Dec. 31, 2021 Feb. 28, 2022 Feb. 17, 2022 Dec. 31, 2020 Common Stock, Par or Stated Value Per Share (in dollars per share) \$ 0. 01 \$ 0. 01 Additional Paid-in Capital, Total \$ 75, 770 \$ 60, 863 Adjustments to Additional Paid-in Capital, Warrant Repricing \$ 0 Minimum [Member] Class of Warrant or Right, Strike Price (in dollars per share) \$ 10. 23 \$ 17. 40 \$ 16. 83 \$ 18. 27 Maximum [Member] Class of Warrant or Right, Strike Price (in dollars per share) \$ 10. 44 \$ 17. 88 \$ 17. 31 \$ 18. 75 Warrants With Securities Purchase Agreement [Member] Class of Warrant or Right, Number of Securities Called by Warrants or Rights (in shares) 438, 334 Class of Warrant or Right, Fair Value Per Warrant (in dollars per share) \$ 3. 2781 Fair Value Adjustment of Warrants \$ (4, 951) Pre-funded Warrants [Member] Class of Warrant or Right, Number of Securities Called by Warrants or Rights (in shares) 1, 950, 502 Common Stock Warrants [Member] Class of Warrant or Right, Number of Securities Called by Warrants or Rights (in shares) 1, 950, 502 Warrants and Rights Outstanding, Term (Year) 5 years Class of Warrant or Right, Outstanding (in shares) 2, 388, 836 Class of Warrant or Right, Extension Term (Year) 1 year Lender Warrant [Member] Class of Warrant or Right, Number of Securities Called by Warrants or Rights (in shares) 1, 731, 499 1, 731, 499 Warrants and Rights Outstanding, Term (Year) 5 years 5 years Class of Warrant or Right, Fair Value Per Warrant (in dollars per share) \$ 2. 4387 Fair Value Adjustment of Warrants \$ (2, 302) Class of Warrant or Right, Exercise Price of Warrants or Rights (in dollars per share) \$ 6. 00 \$ 6. 00 Debt Instrument, Unamortized Discount, Increase \$ 4, 223 Class of Warrant or Right, Outstanding (in shares) 1, 731, 499 Class of Warrant or Right, Extension Term (Year) 1 year Purchaser Warrant [Member] Class of Warrant or Right, Number of Securities Called by Warrants or Rights (in shares) 466, 667 Warrants and Rights Outstanding, Term (Year) 5 years Class of Warrant or Right, Fair Value Per Warrant (in dollars per share) \$ 2. 5968 Fair Value Adjustment of Warrants \$ (649) Class of Warrant or Right, Exercise Price of Warrants or Rights (in dollars per share) \$ 4. 23 Class of Warrant or

Right, Waiver Fee \$ 175 Class of Warrant or Right, Stated Price Per Share (in dollars per share) \$ 0. 375 Class of Warrant or Right, Issuance Expense 1, 212 \$ (0) Class of Warrant or Right, Outstanding (in shares) 466, 667 Class of Warrant or Right, Extension Term (Year) 1 year Amendment to Warrants [Member] Fair Value Adjustment of Warrants \$ (0) Amendment to Warrants [Member] Reclassified From Noncurrent Liabilities to Additional Paid-in Capital [Member] Additional Paid in Capital, Total \$ 5, 709 Warrants Containing Weighted Average Anti-dilution Protection [Member] Class of Warrant or Right, Outstanding (in shares) 68, 508 307, 123 Adjustments to Additional Paid in Capital, Warrant Repricing \$ 31 Warrants Containing Weighted Average Anti-dilution Protection [Member] Weighted Average [Member] Warrants and Rights Outstanding, Term (Year) 2 months 26 days 1 year 8 months 15 days Class of Warrant or Right, Exercise Price of Warrants or Rights (in dollars per share) \$ 10. 41 Securities Purchase Agreement [Member] Stock Issued During Period, Shares, New Issues (in shares) 438, 334 Common Stock, Par or Stated Value Per Share (in dollars per share) \$ 0. 01 Sale of Common Stock and Warrants, Price Per Share (in dollars per share) 4. 605 Common Stock and Pre-funded Warrants [Member] Sale of Common Stock and Warrants, Price Per Share (in dollars per share) \$ 4. 6047 Common Stock and Warrants [Member] Proceeds from Issuance or Sale of Equity, Total \$ 11, 000 X- Definition Amount of increase in additional paid in capital (APIC) resulting from the repricing of warrants. References No definition available. Details Name: crex_AdjustmentsToAdditionalPaidInCapitalWarrantRepricing Namespace Prefix: crex-Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX-Definition Extension term on class of warrant or right. References No definition available. Details Name: crex_ClassOfWarrantOrRightExtensionTerm Namespace Prefix: crex-Data Type: xbrli: durationItemType Balance Type: na Period Type: durationX-Definition Per warrant amount of fair value for class of warrant or right. References No definition available. Details Name: crex_ClassOfWarrantOrRightFairValuePerWarrant Namespace Prefix: crex-Data Type: dtr- types: perShareItem Type Balance Type: na Period Type: instantX-Definition Represents stated price per share used to decide number of shares of common stock subject to warrant under class of warrant or right. References No definition available. Details Name: crex_ClassOfWarrantOrRightStatedPricePerShare Namespace Prefix: crex-Data Type: dtr- types: perShareItem Type Balance Type: na Period Type: instantX-Definition The strike price on the class of warrant or right. References No definition available. Details Name: crex_ClassOfWarrantOrRightStrikePrice Namespace Prefix: crex-Data Type: dtr- types: perShareItem Type Balance Type: na Period Type: instantX-Definition Represents the waiver fee amount of class of warrant or right. References No definition available. Details Name: crex_ClassOfWarrantOrRightWaiverFee Namespace Prefix: crex-Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: instantX-Definition Amount of increase in unamortized debt discount. References No definition available. Details Name: crex_DebtInstrumentUnamortizedDiscountIncrease Namespace Prefix: crex-Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: instantX-Definition Represents sale price of common stock and warrants. References No definition available. Details Name: crex_SaleOfCommonStockAndWarrantsPricePerShare Namespace Prefix: crex-Data Type: dtr- types: perShareItem Type Balance Type: na Period Type: instantX-Definition Amount of expense related to issuance of class of warrant or right. References No definition available. Details Name: crex_WarrantIssuanceExpense Namespace Prefix: crex-Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX-Definition Amount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. References Reference 1: <http://www.xbrl.org/2003/role/exampleRef-PublisherFASB-NameAccountingStandardsCodification-Topic852-SubTopic10-Section55-Paragraph10-URIhttps://asc.fasb.org/extlink&oid=84165509&loc=d3e56426-112766> Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02\(30\)\(a\)\(1\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02(30)(a)(1))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_AdditionalPaidInCapital Namespace Prefix: us-gaap-Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: instantX-Definition Exercise price per share or per unit of warrants or rights outstanding. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-Section50-Paragraph3-URIhttps://asc.fasb.org/extlink&oid=126973232&loc=d3e21475-112644> Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap-Data Type: dtr- types: perShareItem Type Balance Type: na Period Type: instantX-Definition Number of securities into which the class of warrant or right may be converted. For example, but not limited to, 500, 000 warrants may be converted into 1, 000, 000 shares. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-Section50-Paragraph3-URIhttps://asc.fasb.org/extlink&oid=126973232&loc=d3e21475-112644> Details Name: us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights Namespace Prefix: us-gaap-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: instantX-Definition Number of warrants or rights outstanding. References No definition available. Details Name: us-gaap_ClassOfWarrantOrRightOutstanding Namespace Prefix: us-gaap-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: instantX-Definition Face amount or stated value per share of common stock. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02\(29\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02(29))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap-Data Type: dtr- types: perShareItem Type Balance Type: na Period Type: instantX-Definition Amount of expense (income) related to adjustment to fair value of warrant liability. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph\(b\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph28-Subparagraph(b)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3602-108585) Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic480-SubTopic10-Section25-Paragraph13-URIhttps://asc.fasb.org/extlink&oid=109262497&loc=d3e20148-110875> Details Name: us-gaap_FairValueAdjustmentOfWarrants Namespace Prefix: us-gaap-Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX-Definition The cash inflow from the issuance of common stock, preferred stock, treasury stock, stock options, and other types of equity. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph\(a\)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic230-SubTopic10-Section45-Paragraph14-Subparagraph(a)-URIhttps://asc.fasb.org/extlink&oid=126954810&loc=d3e3255-108585) Details Name: us-gaap_ProceedsFromIssuanceOrSaleOfEquity Namespace Prefix: us-gaap-Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX-Definition Number of new stock issued during the period. References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02\(29\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02(29))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-Section50-Paragraph2-URIhttps://asc.fasb.org/extlink&oid=126973232&loc=d3e21463-112644> Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-3-04\)-URIhttps://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-3-04)-URIhttps://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770) Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02\(28\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02(28))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Details Name: us-gaap_StockIssuedDuringPeriodSharesNewIssues Namespace Prefix: us-gaap-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: durationX-Definition Period between issuance and expiration of outstanding warrant and right embodying unconditional obligation requiring redemption by transferring asset at specified or determinable date or upon event certain to occur, in 'PnYnMnDtnHnMns' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. References Reference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic820-SubTopic10-Section50-Paragraph2-Subparagraph\(bbb\)\(2\)-URIhttps://asc.fasb.org/extlink&oid=126976982&loc=d3e19207-110258](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic820-SubTopic10-Section50-Paragraph2-Subparagraph(bbb)(2)-URIhttps://asc.fasb.org/extlink&oid=126976982&loc=d3e19207-110258) Details Name: us-gaap_WarrantsAndRightsOutstandingTerm Namespace Prefix: us-gaap-Data Type: xbrli: durationItem Type Balance Type: na Period Type: instantX-Details Name: srt_RangeAxis = srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_RangeAxis = srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_WarrantsWithSecuritiesPurchaseAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_PrefundedWarrantsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_CommonStockWarrantsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_LenderWarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_PurchaserWarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_AmendmentToWarrantsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ReclassificationTypeAxis = crex_ReclassifiedFromNoncurrentLiabilitiesToAdditionalPaidInCapitalMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_ClassOfWarrantOrRightAxis = crex_WarrantsContainingWeightedAverageAntiDilutionProtectionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: srt_RangeAxis = srt_WeightedAverageMember Namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap_SubsidarySaleOfStockAxis = crex_SecuritiesPurchaseAgreementMember Namespace Prefix: Data Type: na

Balance Type: Period Type: X-Details Name: us-gaap-SubsidiarySaleOfStockAxis=crex-CommonStockAndPrefundedWarrantsMember-namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap-SubsidiarySaleOfStockAxis=crex-CommonStockAndWarrantsMember-namespace Prefix: Data Type: na Balance Type: Period Type: Note 12-Warrants-Summary of Outstanding Warrants (Details)-\$/shares 12 Months Ended Dec. 31, 2022 Dec. 31, 2021 Dec. 31, 2020 Warrants Classified as Equity [Member] Balance, warrants (in shares) 1,367,737-1,475,633 Balance, warrants, weighted average exercise price (in dollars per share) \$ 13.44 \$ 13.86 Warrants, warrants, weighted average remaining contractual life (Year) 3 years 10 months 28 days 1 year 8 months 23 days 2 years 9 months 29 days Warrants issued, warrants (in shares) 1,950,502 Warrants issued, warrants, weighted average exercise price (in dollars per share) \$ 4.60 \$ 0 Warrants exercised, warrants (in shares) (1,950,502) Warrants exercised, warrants, weighted average exercise price (in dollars per share) \$ 4.60 Warrants exercised, warrants, weighted average remaining contractual life (Year) 4 years 10 months 9 days Warrants expired, warrants (in shares) (130,712) (107,896) Warrants expired, warrants, weighted average exercise price (in dollars per share) \$ 10.44 \$ 14.07 Warrants reclassified, warrants (in shares) 4,587,002 Warrants reclassified, warrants, weighted average exercise price (in dollars per share) \$ 4.90 Warrants reclassified, warrants, weighted average remaining contractual life (Year) 4 years 8 months 23 days Balance, warrants (in shares) 5,824,027 1,367,737 1,475,633 Balance, warrants, weighted average exercise price (in dollars per share) \$ 6.56 \$ 13.44 \$ 13.86 Warrants Classified as Liability [Member] Balance, warrants (in shares) Balance, warrants, weighted average exercise price (in dollars per share) \$ 0 Warrants issued, warrants (in shares) 4,587,002 Warrants issued, warrants, weighted average exercise price (in dollars per share) \$ 4.90 Warrants reclassified, warrants (in shares) (4,587,002) Warrants reclassified, warrants, weighted average exercise price (in dollars per share) \$ (4.90) Warrants reclassified, warrants, weighted average remaining contractual life (Year) 5 years Balance, warrants (in shares) Balance, warrants, weighted average exercise price (in dollars per share) \$ 0 \$ 0 X-Definition Exercise price per share or per unit of warrants or rights expired during the period. References No definition available. Details Name: crex-ClassOfWarrantOrRightExercisePriceOfWarrantsOrRightsExpired-namespace Prefix: crex-Data Type: dtr-types: perShareItem Type Balance Type: na Period Type: duration X-Definition Exercise price per share or per unit of warrants or rights issued during the period. References No definition available. Details Name: crex-ClassOfWarrantOrRightExercisePriceOfWarrantsOrRightsIssued-namespace Prefix: crex-Data Type: dtr-types: perShareItem Type Balance Type: na Period Type: duration X-Definition Exercise price per share or per unit of warrants or rights reclassified during the period. References No definition available. Details Name: crex-ClassOfWarrantOrRightExercisePriceOfWarrantsOrRightsReclassified-namespace Prefix: crex-Data Type: dtr-types: perShareItem Type Balance Type: na Period Type: duration X-Definition The number of warrants or rights exercised during period. References No definition available. Details Name: crex-ClassOfWarrantOrRightExercisedDuringPeriod-namespace Prefix: crex-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: duration X-Definition Exercise price per share of warrants or rights exercised during period. References No definition available. Details Name: crex-ClassOfWarrantOrRightExercisedDuringPeriodExercisePrice-namespace Prefix: crex-Data Type: dtr-types: perShareItem Type Balance Type: na Period Type: duration X-Definition Period of weighted average remaining contractual life of warrants or rights exercised during period. References No definition available. Details Name: crex-ClassOfWarrantOrRightExercisedWeightedAverageRemainingContractualLife-namespace Prefix: crex-Data Type: xbrli: durationItem Type Balance Type: na Period Type: duration X-Definition Number of warrants or right expired during the period. References No definition available. Details Name: crex-ClassOfWarrantOrRightExpired-namespace Prefix: crex-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: duration X-Definition Number of warrants or rights issued during the period. References No definition available. Details Name: crex-ClassOfWarrantOrRightIssued-namespace Prefix: crex-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: duration X-Definition Number of warrants or right reclassified during the period. References No definition available. Details Name: crex-ClassOfWarrantOrRightReclassified-namespace Prefix: crex-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: duration X-Definition Weighted average remaining contractual term for warrants or rights reclassified. References No definition available. Details Name: crex-ClassOfWarrantOrRightReclassifiedWeightedAverageRemainingContractualTerm-namespace Prefix: crex-Data Type: xbrli: durationItem Type Balance Type: na Period Type: duration X-Definition Weighted average remaining contractual term for warrants or rights outstanding. References No definition available. Details Name: crex-ClassOfWarrantOrRightWeightedAverageRemainingContractualTerm-namespace Prefix: crex-Data Type: xbrli: durationItem Type Balance Type: na Period Type: duration X-Definition Exercise price per share or per unit of warrants or rights outstanding. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-50-Paragraph-3-URI-https://asc.fasb.org/extlink&oid=126973232&loc=d3e21475-112644> Details Name: us-gaap-ClassOfWarrantOrRightExercisePriceOfWarrantsOrRightsI-namespace Prefix: us-gaap-Data Type: dtr-types: perShareItem Type Balance Type: na Period Type: instant X-Definition Number of warrants or rights outstanding. References No definition available. Details Name: us-gaap-ClassOfWarrantOrRightOutstanding-namespace Prefix: us-gaap-Data Type: xbrli: sharesItem Type Balance Type: na Period Type: instant X-Details Name: us-gaap-ClassOfWarrantOrRightAxis=crex-WarrantsClassifiedAsEquityMember-namespace Prefix: Data Type: na Balance Type: Period Type: X-Details Name: us-gaap-ClassOfWarrantOrRightAxis=crex-WarrantsClassifiedAsLiabilityMember-namespace Prefix: Data Type: na Balance Type: Period Type: Note 13-Stock-based Compensation (Details Textual) \$/shares in Units, \$ in Thousands 1-Months Ended 12-Months Ended Jun. 15, 2022 USD (\$) \$/shares shares Nov. 17, 2021 \$/shares shares Jun. 01, 2020 \$/shares shares Aug. 31, 2020 shares Sep. 30, 2018 shares Dec. 31, 2022 USD (\$) \$/shares shares Dec. 31, 2021 USD (\$) Jul. 10, 2020 shares Aug. 31, 2018 shares Oct. 30, 2014 shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term (Year) 6 years 8 months 12 days Share-Based Payment Arrangement, Expensed and Capitalized, Amount, Total \$ 125 Capitalized Software [Member] Share-Based Payment Arrangement, Amount Capitalized \$ 15 Reverse Stock Split [Member] Stockholders' Equity Note, Stock Split, Conversion Ratio Stock Incentive Plan 2014 [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized (in shares) 2,000,000 2,000,000 600,000 6,000,000 18,000,000 7,390,355 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number, Ending Balance (in shares) 1,532,242 Stock Incentive Plan 2014 [Member] Share-Based Payment Arrangement, Employee [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross (in shares) 526,667 Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Vested in Period, Weighted Average Exercise Price (in dollars per share) \$/shares \$ 7.59 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested, Weighted Average Grant Date Fair Value (in dollars per share) \$/shares \$ 5.61 Amended and Restated 2006 Equity Incentive Plan [Member] Share-Based Payment Arrangement, Employee [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized (in shares) 573,334 Amended and Restated 2006 Non-employee Director Stock Option Plan [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized (in shares) 233,334 Equity Incentive Plan 2006 [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number, Ending Balance (in shares) 4,002 Chief Executive Officer [Member] Stock Incentive Plan 2014 [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross (in shares) 160,000 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Nonvested, Number of Shares, Ending Balance (in shares) 106,667 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures and Expirations in Period, Weighted Average Exercise Price (in dollars per share) \$/shares \$ 7.59 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Nonvested Options Forfeited, Weighted Average Grant Date Fair Value (in dollars per share) \$/shares \$ 5.61 Chief Financial Officer [Member] Stock Incentive Plan 2014 [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross (in shares) 80,000 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Nonvested, Number of Shares, Ending Balance (in shares) 53,334 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures and Expirations in Period, Weighted Average Exercise Price (in dollars per share) \$/shares \$ 7.59 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Nonvested Options Forfeited, Weighted Average Grant Date Fair Value (in dollars per share) \$/shares \$ 5.61 Non-officer Directors [Member] Stock Incentive Plan 2014 [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross (in shares) 85,000 Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price (in dollars per share) \$/shares \$ 6.63 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Weighted Average Grant Date Fair Value (in dollars per share) \$/shares \$ 5.23 Share-Based Payment Arrangement, Option [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Revenue Target \$ 38,000 Share-Based Compensation Arrangement by Share-Based Payment Award, EBITDA target \$ 3,600 Share-Based Payment Arrangement, Option [Member] Share-Based Payment Arrangement, Employee [Member] General and Administrative Expense [Member] Share-Based Payment Arrangement, Expense \$ 1,689 \$ 1,494 Share-Based Payment Arrangement, Option [Member] Share-Based Payment Arrangement, Nonemployee [Member] General and Administrative Expense [Member] Share-Based Payment Arrangement, Expense \$ Share-Based Payment Arrangement, Option [Member] Stock Incentive Plan 2014 [Member] Share-Based Payment Arrangement, Expense \$ Share-Based Payment Arrangement, Benefit Recorded From Forfeiture Awards \$ Share-Based Payment Arrangement, Option [Member] Stock Incentive Plan 2014 [Member] Share-Based Payment Arrangement, Employee [Member] Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period (Year) 10 years Share-Based Compensation

Arrangement by Share-Based Payment Award, Award Vesting Period (Year) 3 years Share-Based Payment Arrangement, Option [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Payment Arrangement, Tranche One [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage 33.33 % Share-Based Payment Arrangement, Option [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Payment Arrangement, Tranche Two [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage 33.33 % Share-Based Payment Arrangement, Option [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Payment Arrangement, Tranche Three [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage 33.33 % Share-Based Payment Arrangement, Option [Member] | Chief Executive Officer [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period (Year) 10 years Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period (Year) 3 years Share-Based Payment Arrangement, Option [Member] | Chief Financial Officer [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period (Year) 10 years Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage 33.33 % Share-Based Payment Arrangement, Option [Member] | Non-officer Directors [Member] | Stock Incentive Plan 2014 [Member] | Vesting Immediately [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage 33.33 % Share-Based Payment Arrangement, Option [Member] | Non-officer Directors [Member] | Stock Incentive Plan 2014 [Member] | Vesting at First Anniversary of Grant Date [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage 33.33 % New Options [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Payment Arrangement, Expense | \$ 7 Share-Based Payment Arrangement, Guaranteed Price (in dollars per share) | \$ / shares \$ 19.20 New Options [Member] | Stock Incentive Plan 2014 [Member] | Minimum [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Weighted Average Grant Date Fair Value (in dollars per share) | \$ / shares 0.63 New Options [Member] | Stock Incentive Plan 2014 [Member] | Maximum [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Weighted Average Grant Date Fair Value (in dollars per share) | \$ / shares \$ 1.11 New Options [Member] | Chief Executive Officer [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period (Year) 10 years Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price (in dollars per share) | \$ / shares \$ 3.00 New Options [Member] | Chief Financial Officer [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period (Year) 10 years Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross (in shares) 333,334 Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price (in dollars per share) | \$ / shares \$ 3.00 New Options [Member] | Chief Financial Officer [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross (in shares) 200,000 Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price (in dollars per share) | \$ / shares \$ 3.00 New Options [Member] | Non-executives [Member] | Stock Incentive Plan 2014 [Member] | Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross (in shares) 100,000 Time Vesting Awards [Member] | Share-Based Payment Arrangement, Employee [Member] | Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount, Total | \$ 842 \$ 1,360 Time Vesting Awards [Member] | Share-Based Payment Arrangement, Nonemployee [Member] | Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount, Total | \$ 62 Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition (Year) 2 years X-Definition Amount of target EBITDA which is earnings before interest, taxes, depreciation and amortization under share-based payment arrangement. References No definition available. Details Name: crex_SharebasedCompensationArrangementBySharebasedPaymentAwardEbitdaTargetNamespace-Prefix: crex-Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-Definition Represents amount of target revenue under share-based compensation arrangement by share-based payment award. References No definition available. Details Name: crex_SharebasedCompensationArrangementBySharebasedPaymentAwardRevenueTargetNamespace-Prefix: crex-Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-Definition Weighted average price at which option holders acquired shares when converting their stock options into shares. References No definition available. Details Name: crex_SharebasedCompensationArrangementsBySharebasedPaymentAwardOptionsVestedInPeriodWeightedAverageExercisePriceNamespace-Prefix: crex-Data-Type: dtr-types: perShareItemType-Balance-Type: na-Period-Type: durationX-Definition Amount of benefit for forfeiture awards under share-based payment arrangement. References No definition available. Details Name: crex_SharebasedPaymentArrangementBenefitRecordedFromForfeitureAwardsNamespace-Prefix: crex-Data-Type: xbrli:monetaryItemType-Balance-Type: credit-Period-Type: durationX-Definition Guaranteed price under share-based compensation arrangement. References No definition available. Details Name: crex_SharebasedPaymentArrangementGuaranteedPriceNamespace-Prefix: crex-Data-Type: dtr-types: perShareItemType-Balance-Type: na-Period-Type: durationX-Definition Amount of expense for award under share-based payment arrangement. Excludes amount capitalized. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(h\)-\(1\)-\(i\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(h)-(1)-(i)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-AllocatedShareBasedCompensationExpenseNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: durationX-Definition Amount of cost capitalized for award under share-based payment arrangement. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(h\)-\(1\)-\(ii\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(h)-(1)-(ii)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsCapitalizedAmountNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: durationX-Definition Amount of cost not yet recognized for nonvested award under share-based payment arrangement. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(i\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(i)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedNamespace-Prefix: us-gaap-Data-Type: xbrli:monetaryItemType-Balance-Type: debit-Period-Type: instantX-Definition Weighted average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDtInHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(i\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(i)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognitionNamespace-Prefix: us-gaap-Data-Type: xbrli:durationItemType-Balance-Type: na-Period-Type: durationX-Definition Period over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDtInHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition. References Reference 1: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(a\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(a)-(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriodNamespace-Prefix: us-gaap-Data-Type: xbrli:durationItemType-Balance-Type: na-Period-Type: durationX-Definition Number of shares authorized for issuance under share-based payment arrangement. References Reference 1: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(a\)-\(3\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(a)-(3)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAuthorizedNamespace-Prefix: us-gaap-Data-Type: xbrli:sharesItemType-Balance-Type: na-Period-Type: instantX-Definition Weighted average price of options that were either forfeited or expired. References Reference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(e\)-\(1\)-\(iv\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(e)-(1)-(iv)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsAndExpirationsInPeriodWeightedAverageExercisePriceNamespace-Prefix: us-gaap-Data-Type: dtr-types: perShareItemType-Balance-Type: na-Period-Type: durationX-Definition Gross number of share options (or share units) granted during the period. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(c\)-\(1\)-\(iv\)-\(01\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(c)-(1)-(iv)-(01)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap-ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGrossNamespace-Prefix: us-gaap-

Data Type: xbrli:sharesItem Balance Type: na Period Type: durationX- DefinitionThe weighted average grant- date fair value of options granted during the reporting period as calculated by applying the disclosed option pricing methodology. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(d\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(d)-(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr- types: perShareItem Balance Type: na Period Type: durationX- DefinitionNumber of options outstanding, including both vested and non-vested options. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(e\)-\(1\)-\(ii\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(e)-(1)-(ii)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(e\)-\(1\)-\(i\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(e)-(1)-(i)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItem Balance Type: na Period Type: instantX- DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(c\)-\(1\)-\(iv\)-\(01\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(c)-(1)-(iv)-(01)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr- types: perShareItem Balance Type: na Period Type: durationX- DefinitionPercentage of vesting of award under share-based payment arrangement. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(a\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(a)-(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardAwardVestingRightsPercentage Namespace Prefix: us-gaap_ Data Type: dtr- types: percentItem Balance Type: na Period Type: durationX- DefinitionAmount of cost expensed and capitalized for award under share-based payment arrangement. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(h\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(h)-(1)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardCompensationCost1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Balance Type: debit Period Type: durationX- DefinitionPeriod from grant date that an equity-based award expires, in 'PnYnMnDtnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. ReferencesReference 1: [http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(a\)-\(2\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/exampleRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(a)-(2)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardExpirationPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:durationItem Balance Type: na Period Type: durationX- DefinitionWeighted average remaining contractual term for vested portions of options outstanding and currently exercisable or convertible, in 'PnYnMnDtnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901> Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableWeightedAverageRemainingContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItem Balance Type: na Period Type: durationX- DefinitionNumber of non-vested options outstanding. ReferencesNo definition available. Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedNumberOfShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItem Balance Type: na Period Type: instantX- DefinitionWeighted average grant- date fair value of non-vested options forfeited. ReferencesNo definition available. Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedOptionsForfeitedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr- types: perShareItem Balance Type: na Period Type: durationX- DefinitionWeighted average grant- date fair value of options vested. ReferencesNo definition available. Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr- types: perShareItem Balance Type: na Period Type: durationX- DefinitionRatio applied to the conversion of stock split, for example but not limited to, one share converted to two or two shares converted to one. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-4-Subparagraph-\(SAB-TOPIIC-4-C\)-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187143-122770](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-4-Subparagraph-(SAB-TOPIIC-4-C)-URI-https://asc.fasb.org/extlink&oid=120397183&loc=d3e187143-122770) Details Name: us-gaap_StockholdersEquityNoteStockSplitConversionRatio1 Namespace Prefix: us-gaap_ Data Type: xbrli:pureItem Balance Type: na Period Type: durationX- Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis = crex_CapitalizedSoftwareMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_NonmonetaryTransactionTypeAxis = crex_ReverseStockSplitMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_PlanNameAxis = crex_StockIncentivePlan2014Member Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_GranteeStatusAxis = us-gaap_ShareBasedPaymentArrangementEmployeeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_PlanNameAxis = crex_AmendedAndRestated2006EquityIncentivePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_PlanNameAxis = crex_AmendedAndRestated2006NonemployeeDirectorStockOptionPlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_PlanNameAxis = crex_EquityIncentivePlan2006Member Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt_TitleOfIndividualAxis = srt_ChiefExecutiveOfficerMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt_TitleOfIndividualAxis = srt_ChiefFinancialOfficerMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt_TitleOfIndividualAxis = crex_NonofficerDirectorsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_AwardTypeAxis = us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_IncomeStatementLocationAxis = us-gaap_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_GranteeStatusAxis = us-gaap_ShareBasedPaymentArrangementNonemployeeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_VestingAxis = us-gaap_ShareBasedCompensationAwardTrancheOneMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_VestingAxis = us-gaap_ShareBasedCompensationAwardTrancheTwoMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_VestingAxis = us-gaap_ShareBasedCompensationAwardTrancheThreeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_VestingAxis = crex_VestingImmediatelyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_VestingAxis = crex_VestingAtFirstAnniversaryOfGrantDateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_VestingAxis = crex_VestingAtSecondAnniversaryOfGrantDateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_AwardTypeAxis = crex_NewOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt_RangeAxis = srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt_RangeAxis = srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt_TitleOfIndividualAxis = crex_NonexecutivesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_AwardTypeAxis = crex_TimeVestingAwardsMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 13- Stock-based Compensation- Summary of Outstanding Options (Details) 12 Months Ended Dec. 31, 2022 \$ / shares shares Time-Vesting Options [Member] Shares Outstanding (in shares) shares 662, 910 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 10. 02 Shares Exercisable (in shares) shares 448, 464 Outstanding, Weighted Average Remaining Contractual Term (Year) 6 years 11 months 15 days Time-Vesting Options [Member] Range One [Member] Lower Range Limit (in dollars per share) \$ 0. 01 Shares Outstanding (in shares) shares Upper Range Limit (in dollars per share) \$ 4. 00 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 0 Shares Exercisable (in shares) shares Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 0 Time-Vesting Options [Member] Range Two [Member] Lower Range Limit (in dollars per share) \$ 4. 01 Shares Outstanding (in shares) shares 566, 673 Upper Range Limit (in dollars per share) \$ 8. 00 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 7. 42 Shares Exercisable (in shares) shares 352, 227 Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 7. 47 Outstanding, Weighted Average Remaining Contractual Term (Year) 7 years 7 months 17 days Time-Vesting Options [Member] Range Three [Member] Lower Range Limit (in dollars per share) \$ 8. 01 Shares Outstanding (in shares) shares 96, 237 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 25. 37 Shares Exercisable (in shares) shares 96, 237 Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 25. 37 Outstanding, Weighted Average Remaining Contractual Term

(Year) 3 years 7 days Performance Vesting Options [Member] Shares Outstanding (in shares) | shares 240, 000 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 7. 59 Shares Exercisable (in shares) | shares 80, 000 Outstanding, Weighted Average Remaining Contractual Term (Year) 7 years 5 months 1 day Performance Vesting Options [Member] Range One [Member] Lower Range Limit (in dollars per share) \$ 0. 01 Shares Outstanding (in shares) | shares Upper Range Limit (in dollars per share) \$ 4. 00 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 0 Shares Exercisable (in shares) | shares Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 0 Performance Vesting Options [Member] Range Two [Member] Lower Range Limit (in dollars per share) \$ 4. 01 Shares Outstanding (in shares) | shares 240, 000 Upper Range Limit (in dollars per share) \$ 8. 00 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 7. 59 Shares Exercisable (in shares) | shares 80, 000 Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 7. 59 Outstanding, Weighted Average Remaining Contractual Term (Year) 7 years 5 months 1 day Performance Vesting Options [Member] Range Three [Member] Lower Range Limit (in dollars per share) \$ 8. 01 Shares Outstanding (in shares) | shares Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 0 Shares Exercisable (in shares) | shares Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 0 Market Vesting Options [Member] Shares Outstanding (in shares) | shares 633, 334 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 3. 00 Shares Exercisable (in shares) | shares Outstanding, Weighted Average Remaining Contractual Term (Year) 2 years 1 month 17 days Market Vesting Options [Member] Range One [Member] Lower Range Limit (in dollars per share) \$ 0. 01 Shares Outstanding (in shares) | shares 633, 334 Upper Range Limit (in dollars per share) \$ 4. 00 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 3. 00 Shares Exercisable (in shares) | shares Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 0 Outstanding, Weighted Average Remaining Contractual Term (Year) 2 years 1 month 17 days Market Vesting Options [Member] Range Two [Member] Lower Range Limit (in dollars per share) \$ 4. 01 Shares Outstanding (in shares) | shares Upper Range Limit (in dollars per share) \$ 8. 00 Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 0 Shares Exercisable (in shares) | shares Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 0 Market Vesting Options [Member] Range Three [Member] Lower Range Limit (in dollars per share) \$ 8. 01 Shares Outstanding (in shares) | shares Outstanding, Weighted Average Exercise Price (in dollars per share) \$ 0 Shares Exercisable (in shares) | shares Exercisable, Weighted Average Exercise Price (in dollars per share) \$ 0 X- Definition The floor of a customized range of exercise prices for purposes of disclosing shares potentially issuable under outstanding stock option awards on all stock option plans and other required information pertaining to awards in the customized range. References Reference 1: [http://www.xbrli.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-\(e\)-\(1\)-\(iv\)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901-Details-Name:us-gaap-ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresAndExpirationsInPeriod-Namespace-Prefix:us-gaap-Data-Type:xbrli:sharesItem-Type-Balance-Type:na-Period-Type:durationX-Definition-Weighted-average-price-of-options-that-were](http://www.xbrli.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-718-SubTopic-10-Section-50-Paragraph-2-Subparagraph-(e)-(1)-(iv)-URI-https://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901-Details-Name:us-gaap-ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresAndExpirationsInPeriod-Namespace-Prefix:us-gaap-Data-Type:xbrli:sharesItem-Type-Balance-Type:na-Period-Type:durationX-Definition-Weighted-average-price-of-options-that-were)

either forfeited or expired. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(iv\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(iv)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresAndExpirationsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap Data Type: dtr-types: perShareItemType Balance Type: na Period Type: durationX-DefinitionGross number of share options (or share units) granted during the period. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(iv\)\(01\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(iv)(01)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross Namespace Prefix: us-gaap Data Type: xbrli: sharesItemType Balance Type: na Period Type: durationX-DefinitionNumber of options outstanding, including both vested and non-vested options. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(ii\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(ii)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(i\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(i)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap Data Type: dtr-types: perShareItemType Balance Type: na Period Type: instantX-DefinitionWeighted average price at which grantees can acquire the shares reserved for issuance under the stock option plan. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(ii\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(ii)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(i\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(i)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap Data Type: dtr-types: perShareItemType Balance Type: na Period Type: instantX-DefinitionWeighted average price at which option holders acquired shares when converting their stock options into shares. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(iv\)\(02\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(iv)(02)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap Data Type: dtr-types: perShareItemType Balance Type: na Period Type: durationX-DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(iv\)\(01\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(iv)(01)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap Data Type: dtr-types: perShareItemType Balance Type: na Period Type: durationX-DefinitionNumber of share options (or share units) exercised during the current period. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(c\)\(1\)\(iv\)\(02\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2003/role/disclosureRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(c)(1)(iv)(02)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-3-04\)-URIhttps://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-3-04)-URIhttps://asc.fasb.org/extlink&oid=120397183&loc=d3e187085-122770) Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02\(28\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d2e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02(28))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d2e13212-122682) Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph\(SX210-5-02\(29\)\)-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682](http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic210-SubTopic10-SectionS99-Paragraph1-Subparagraph(SX210-5-02(29))-URIhttps://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682) Reference 5: <http://fasb.org/us-gaap/role/ref/legacyRef-PublisherFASB-NameAccountingStandardsCodification-Topic505-SubTopic10-Section50-Paragraph2-URIhttps://asc.fasb.org/extlink&oid=126973232&loc=d3e21463-112644> Details Name: us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised Namespace Prefix: us-gaap Data Type: xbrli: sharesItemType Balance Type: na Period Type: durationX Details Name: us-gaap_AwardTypeAxis = crex_MarketVestingOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_AwardTypeAxis = crex_TimeVestingOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_AwardTypeAxis = crex_PerformanceVestingOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X Note 13-Stock-based Compensation-Summary of Share Vesting Activity (Details)-New Options [Member]-Stock Incentive Plan 2014 [Member] Jun. 15, 2022 shares Vesting at Share Price Target of \$ 6.00 [Member] Percentage of Shares Vested 5.00% Vesting at Share Price Target of \$ 9.00 [Member] Percentage of Shares Vested 10.00% Vesting at Share Price Target of \$ 12.00 [Member] Percentage of Shares Vested 15.00% Vesting at Share Price Target of \$ 15.00 [Member] Percentage of Shares Vested 20.00% Vesting at Share Price Target of \$ 18.00 [Member] Percentage of Shares Vested 25.00% Vesting at Guaranteed Price [Member] Percentage of Shares Vested 25.00% Chief Executive Officer [Member] Options expected to vest (in shares) 333,334 Chief Executive Officer [Member] Vesting at Share Price Target of \$ 6.00 [Member] Options expected to vest (in shares) 16,667 Chief Executive Officer [Member] Vesting at Share Price Target of \$ 9.00 [Member] Options expected to vest (in shares) 33,334 Chief Executive Officer [Member] Vesting at Share Price Target of \$ 12.00 [Member] Options expected to vest (in shares) 50,000 Chief Executive Officer [Member] Vesting at Share Price Target of \$ 15.00 [Member] Options expected to vest (in shares) 66,667 Chief Executive Officer [Member] Vesting at Share Price Target of \$ 18.00 [Member] Options expected to vest (in shares) 83,333 Chief Executive Officer [Member] Vesting at Guaranteed Price [Member] Options expected to vest (in shares) 83,333 Chief Financial Officer [Member] Options expected to vest (in shares) 200,000 Chief Financial Officer [Member] Vesting at Share Price Target of \$ 6.00 [Member] Options expected to vest (in shares) 10,000 Chief Financial Officer [Member] Vesting at Share Price Target of \$ 9.00 [Member] Options expected to vest (in shares) 20,000 Chief Financial Officer [Member] Vesting at Share Price Target of \$ 12.00 [Member] Options expected to vest (in shares) 30,000 Chief Financial Officer [Member] Vesting at Share Price Target of \$ 15.00 [Member] Options expected to vest (in shares) 40,000 Chief Financial Officer [Member] Vesting at Share Price Target of \$ 18.00 [Member] Options expected to vest (in shares) 50,000 Chief Financial Officer [Member] Vesting at Guaranteed Price [Member] Options expected to vest (in shares) 50,000 X-DefinitionNumber of option shares eligible to vest under share-based compensation arrangement. ReferencesNo definition available. Details Name: crex_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsEligibleToVestNumberOfShares Namespace Prefix: crex Data Type: xbrli: sharesItemType Balance Type: na Period Type: durationX-DefinitionPercentage of vesting of award under share-based payment arrangement. ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph\(a\)\(1\)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901](http://www.xbrl.org/2009/role/commonPracticeRef-PublisherFASB-NameAccountingStandardsCodification-Topic718-SubTopic10-Section50-Paragraph2-Subparagraph(a)(1)-URIhttps://asc.fasb.org/extlink&oid=128089324&loc=d3e5070-113901) Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardVestingRightsPercentage Namespace Prefix: us-gaap Data Type: dtr-types: percentItemType Balance Type: na Period Type: durationX Details Name: us-gaap_VestingAxis = crex_VestingAtSharePriceTargetOf600Member Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_AwardTypeAxis = crex_NewOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_VestingAxis = crex_VestingAtSharePriceTargetOf900Member Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_VestingAxis = crex_VestingAtSharePriceTargetOf1200Member Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_VestingAxis = crex_VestingAtSharePriceTargetOf1500Member Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_VestingAxis = crex_VestingAtSharePriceTargetOf1800Member Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: us-gaap_VestingAxis = crex_VestingAtGuaranteedPriceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: srt_TitleOfIndividualAxis = srt_ChiefExecutiveOfficerMember Namespace Prefix: Data Type: na Balance Type: Period Type: X Details Name: srt_TitleOfIndividualAxis = srt_ChiefFinancialOfficerMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 13-Stock-based Compensation-Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions (Details)-Stock Incentive Plan 2014 [Member] 12 Months Ended Dec. 31, 2022 Share-Based Payment Arrangement, Employee [Member] Risk-free interest rate 0.66% Expected term (in years) (Year) 6 years 3 months Expected price volatility 89.18% Dividend yield 0.00% Non-officer Directors [Member] Risk-free interest rate 1.60% Expected term (in years) (Year) 6 years 3 months Expected price volatility 97.78% Dividend yield 0.00% New Options [Member] Risk-free interest rate 3.30% Expected term (in years) (Year) 2 years 8 months 4 days Expected price volatility 123.53% Dividend yield 0.00% X-DefinitionThe estimated dividend rate (a percentage of the share price) to be

paid (expected dividends) to holders of the underlying shares over the option's term. ReferencesReference 1:

Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- Definition Present value of lessee's discounted obligation for lease payments from operating lease, classified as current. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-45-Paragraph-1-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-45-Paragraph-1-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977) Details Name: us-gaap-OperatingLeaseLiabilityCurrentNamespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instantX- Definition Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-45-Paragraph-1-Subparagraph-\(b\)-URI-https://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-45-Paragraph-1-Subparagraph-(b)-URI-https://asc.fasb.org/extlink&oid=123391704&loc=SL77918627-209977) Details Name: us-gaap-OperatingLeaseLiabilityNoncurrentNamespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant Note 14- Leases- Supplemental Cash Flow Information Related to Leases (Details)-USD (\$) \$ in Thousands 12 Months Ended Dec. 31, 2022-Dec. 31, 2021 Operating cash flows from operating leases \$ 597 \$ 383X- Definition Amount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use. References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-45-Paragraph-1-Subparagraph-\(c\)-URI-https://asc.fasb.org/extlink&oid=123391704&loc=SL77918643-209977](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-45-Paragraph-1-Subparagraph-(c)-URI-https://asc.fasb.org/extlink&oid=123391704&loc=SL77918643-209977) Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-50-Paragraph-4-Subparagraph-\(g\)-\(1\)-URI-https://asc.fasb.org/extlink&oid=128292326&loc=SL77918686-209980](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-842-SubTopic-20-Section-50-Paragraph-4-Subparagraph-(g)-(1)-URI-https://asc.fasb.org/extlink&oid=128292326&loc=SL77918686-209980) Details Name: us-gaap-OperatingLeasePaymentsNamespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration Note 15- Profit-sharing Plan (Details Textual)-USD (\$) \$ in Thousands 12 Months Ended Apr. 01, 2018-Dec. 31, 2022-Dec. 31, 2021 Defined Contribution Plan, Cost \$ 142 \$ 19 Pension Plan 401 (K) [Member] Defined Contribution Plan, Maximum Annual Contributions Per Employee, Percent 15.00 % Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay 50.00 % Defined Contribution Plan, Employer Matching Contribution, Percent of Match 6.00 % Defined Contribution Plan, Employer Matching Contribution, Effective Percent of Match 3.00 % Registered Retirement Savings Plan [Member] Defined Contribution Plan, Maximum Annual Contributions Per Employee, Percent 18.00 % Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay 50.00 % Defined Contribution Plan, Employer Matching Contribution, Percent of Match 6.00 % Defined Contribution Plan, Employer Matching Contribution, Effective Percent of Match 3.00 % X- Definition Effective percentage employer matches of the employee's percentage contribution matched. References No definition available. Details Name: crex-DefinedContributionPlanEmployerMatchingContributionEffectivePercentOfMatch Namespace Prefix: crex-Data Type: dtr-types:percentItemType Balance Type: na Period Type: durationX- Definition Amount of cost for defined contribution plan. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-715-SubTopic-70-Section-50-Paragraph-1-URI-https://asc.fasb.org/extlink&oid=49170846&loc=d3e28014-114942> Details Name: us-gaap-DefinedContributionPlanCostRecognizedNamespace Prefix: us-gaap-Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: durationX- Definition Percentage of employees' gross pay for which the employer contributes a matching contribution to a defined contribution plan. References No definition available. Details Name: us-gaap-DefinedContributionPlanEmployerMatchingContributionPercent Namespace Prefix: us-gaap-Data Type: dtr-types:percentItemType Balance Type: na Period Type: durationX- Definition Percentage employer matches of the employee's percentage contribution matched. References No definition available. Details Name: us-gaap-DefinedContributionPlanEmployerMatchingContributionPercentOfMatch Namespace Prefix: us-gaap-Data Type: dtr-types:percentItemType Balance Type: na Period Type: durationX- Definition Maximum percentage of employee gross pay the employee may contribute to a defined contribution plan. References No definition available. Details Name: us-gaap-DefinedContributionPlanMaximumAnnualContributionsPerEmployeePercent Namespace Prefix: us-gaap-Data Type: dtr-types:percentItemType Balance Type: na Period Type: durationX- Details Name: us-gaap-RetirementPlanTypeAxis = crex-PensionPlan401kMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-RetirementPlanTypeAxis = crex-RegisteredRetirementSavingsPlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 16- Segment Information and Significant Customers / Vendors (Details Textual) 12 Months Ended Dec. 31, 2022-Dec. 31, 2021 Number of Reportable Segments Customer Concentration Risk [Member] Revenue Benchmark [Member] Number of Major Customers Customer Concentration Risk [Member] Revenue Benchmark [Member] Three Customers [Member] Concentration Risk, Percentage 44.00 % Customer Concentration Risk [Member] Revenue Benchmark [Member] Two Customers [Member] Concentration Risk, Percentage 41.10 % Customer Concentration Risk [Member] Accounts Receivable [Member] Number of Major Customers Customer Concentration Risk [Member] Accounts Receivable [Member] Three Customers [Member] Concentration Risk, Percentage 49.20 % Customer Concentration Risk [Member] Accounts Receivable [Member] Two Customers [Member] Concentration Risk, Percentage 56.60 % Supplier Concentration Risk [Member] Accounts Payable [Member] Number of Major Vendors Supplier Concentration Risk [Member] Accounts Payable [Member] One Vendor [Member] Concentration Risk, Percentage 30.10 % Supplier Concentration Risk [Member] Accounts Payable [Member] Three Vendors [Member] Concentration Risk, Percentage 69.10 % X- Definition Represents the numbers of major customers. References No definition available. Details Name: crex-NumberOfMajorCustomers Namespace Prefix: crex-Data Type: xbrli:integerItemType Balance Type: na Period Type: durationX- Definition Represents number of major vendors. References No definition available. Details Name: crex-NumberOfMajorVendors Namespace Prefix: crex-Data Type: xbrli:integerItemType Balance Type: na Period Type: durationX- Definition For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage derived from the division. References Reference 1: <http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-4-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e9054-108599> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-275-SubTopic-10-Section-50-Paragraph-18-URI-https://asc.fasb.org/extlink&oid=99393423&loc=d3e6351-108592> Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-825-SubTopic-10-Section-50-Paragraph-20-URI-https://asc.fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-825-SubTopic-10-Section-50-Paragraph-20-URI-https://asc.fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-275-SubTopic-10-Section-50-Paragraph-20-URI-https://asc.fasb.org/extlink&oid=99393423&loc=d3e6404-108592](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-825-SubTopic-10-Section-50-Paragraph-20-URI-https://asc.fasb.org/extlink&oid=123594938&loc=d3e13531-108611) Details Name: us-gaap-ConcentrationRiskPercentage1 Namespace Prefix: us-gaap-Data Type: dtr-types:percentItemType Balance Type: na Period Type: durationX- Definition Number of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements. References Reference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-280-SubTopic-10-Section-50-Paragraph-18-URI-https://asc.fasb.org/extlink&oid=126901519&loc=d3e8672-108599> Details Name: us-gaap-NumberOfReportableSegments Namespace Prefix: us-gaap-Data Type: xbrli:integerItemType Balance Type: na Period Type: durationX- Details Name: us-gaap-ConcentrationRiskByTypeAxis = us-gaap-CustomerConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-ConcentrationRiskByBenchmarkAxis = us-gaap-SalesRevenueNetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt-MajorCustomersAxis = crex-ThreeCustomersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: srt-MajorCustomersAxis = crex-TwoCustomersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-ConcentrationRiskByBenchmarkAxis = us-gaap-AccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-ConcentrationRiskByTypeAxis = us-gaap-SupplierConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-ConcentrationRiskByBenchmarkAxis = us-gaap-AccountsPayableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-ShareBasedGoodsAndNonemployeeServicesTransactionBySupplierAxis = crex-OneVendorMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap-ShareBasedGoodsAndNonemployeeServicesTransactionBySupplierAxis = crex-ThreeVendorsMember Namespace Prefix: Data Type: na Balance Type: Period Type: Note 17- Subsequent Events (Details Textual) \$ / shares in Units, \$ in Thousands Mar. 27, 2023 \$ / shares shares Feb. 11, 2023 USD (\$) Feb. 17, 2022 USD (\$) Mar. 26, 2023 shares Dec. 31, 2022 \$ / shares shares Dec. 31, 2021 \$ / shares shares Common Stock, Par or Stated Value Per Share (in dollars per share) | \$ / shares \$ 0.01 \$ 0.01 Common Stock, Shares Authorized (in shares) | shares 66,666,000 66,666,000 Secured Promissory Note [Member] Debt Instrument, Periodic Payment, Total \$ 104 Debt Instrument, Interest Rate, Stated Percentage 0.59 % Subsequent Event [Member] Stockholders' Equity Note, Stock Split, Conversion Ratio Common Stock, Par or Stated Value Per Share (in dollars per share) | \$ / shares \$ 0.01 Common Stock, Shares Authorized (in shares) | shares 66,666,666 200,000 Subsequent Event [Member] Secured Promissory Note [Member] Debt Instrument, Periodic Payment Terms, Balloon Payment to be Paid \$ 1,250 Debt Instrument, Periodic Payment, Total \$ 104 Debt Instrument, Interest Rate, Stated Percentage 4.60 % Reflect Systems, Inc. [Member] Subsequent Event [Member] Business Combination, Consideration Transferred, Cash Consideration Reduced Amount \$ 242

Business Combination, Consideration Transferred, Claim Amount Reduction, Maximum Accounts Receivable Received Retention Credit Outstanding Escrow Funds, Release Amount \$ 250 X- DefinitionReduced amount of cash consideration in business combination. ReferencesNo definition available. Details Name: crex_BusinessCombinationConsiderationTransferredCashConsiderationReducedAmount Namespace Prefix: crex Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX- DefinitionMaximum amount of payments received of certain accounts receivable to decide claim reduction amount under business combination. ReferencesNo definition available. Details Name: crex_BusinessCombinationConsiderationTransferredClaimAmountReductionMaximumAccountsReceivableReceived Namespace Prefix: crex Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: durationX- DefinitionAmount of release amount from escrow funds. ReferencesNo definition available. Details Name: crex_EscrowFundsReleaseAmount Namespace Prefix: crex Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: instantX- DefinitionAmount of retention credit outstanding. ReferencesNo definition available. Details Name: crex_RetentionCreditOutstanding Namespace Prefix: crex Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: instantX- DefinitionFace amount or stated value per share of common stock. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-\(29\)\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-(29))) URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap Data Type: dtr-types: perShareItemType Balance Type: na Period Type: instantX- DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-\(29\)\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-(29))) URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap Data Type: xbrli: sharesItemType Balance Type: na Period Type: instantX- DefinitionContractual interest rate for funds borrowed, under the debt agreement. ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-\(b\)](http://www.xbrl.org/2003/role/disclosureRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-470-SubTopic-20-Section-50-Paragraph-1B-Subparagraph-(b)) URI <https://asc.fasb.org/extlink&oid=123466505&loc=SL123495323-112611> Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-22\(a\)-\(1\)\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-22(a)-(1))) URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap Data Type: dtr-types: percentItemType Balance Type: na Period Type: instantX- DefinitionAmount of the required periodic payments including both interest and principal payments. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-\(SX-210-5-02-22\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-210-SubTopic-10-Section-S99-Paragraph-1-Subparagraph-(SX-210-5-02-22)) URI <https://asc.fasb.org/extlink&oid=120391452&loc=d3e13212-122682> Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-470-Section-50-Paragraph-3-Subparagraph-\(c\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-942-SubTopic-470-Section-50-Paragraph-3-Subparagraph-(c)) URI <https://asc.fasb.org/extlink&oid=123599511&loc=d3e64711-112823> Details Name: us-gaap_DebtInstrumentPeriodicPayment Namespace Prefix: us-gaap Data Type: xbrli: monetaryItemType Balance Type: debit Period Type: durationX- DefinitionAmount of payment greater than the preceding installment payments to be paid at final maturity date of debt. ReferencesNo definition available. Details Name: us-gaap_DebtInstrumentPeriodicPaymentTermsBalloonPaymentToBePaid Namespace Prefix: us-gaap Data Type: xbrli: monetaryItemType Balance Type: credit Period Type: instantX- DefinitionRatio applied to the conversion of stock split, for example but not limited to, one share converted to two or two shares converted to one. ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-4-Subparagraph-\(SAB-TOPIC-4-C\)](http://fasb.org/us-gaap/role/ref/legacyRef-Publisher-FASB-Name-Accounting-Standards-Codification-Topic-505-SubTopic-10-Section-S99-Paragraph-4-Subparagraph-(SAB-TOPIC-4-C)) URI <https://asc.fasb.org/extlink&oid=120397183&loc=d3e187143-122770> Details Name: us-gaap_StockholdersEquityNoteStockSplitConversionRatio1 Namespace Prefix: us-gaap Data Type: xbrli: pureItemType Balance Type: na Period Type: durationX- Details Name: us-gaap_DebtInstrumentAxis= crex_SecuredPromissoryNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_SubsequentEventTypeAxis= us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X- Details Name: us-gaap_BusinessAcquisitionAxis= crex_ReflectSystemsIncMember Namespace Prefix: Data Type: na Balance Type: Period Type: