

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended June 30, 2023

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number 333-259554



AEye, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

One Park Place, Suite 200, Dublin, CA

(Address of Principal Executive Offices)

37-1827430

(I.R.S. Employer Identification No.)

94568

(Zip Code)

(925) 400-4366

Registrant's telephone number, including area code

Not Applicable

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common stock, \$0.0001 par value per share	LIDR	The Nasdaq Stock Market LLC
Warrants to purchase one share of common stock	LIDRW	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant: (1) has 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 the registrant was required to file such reports); and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company", and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

As of August 4, 2023, the registrant had 184,808,775 shares of common stock, \$0.0001 par value per share, outstanding.

AEye, Inc.
Quarterly Report on Form 10-Q
For the Quarterly Period Ended June 30, 2023

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CAUTIONARY NOTE REGARDING FORWARD LOOKING STATEMENTS

This Quarterly Report on Form 10-Q (this “Form 10-Q”) contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, which involve substantial risks and uncertainties. These statements reflect the current views of management with respect to future events and our financial performance. In some cases, you can identify these statements by forward-looking words such as “outlook,” “believes,” “expects,” “potential,” “continues,” “may,” “will,” “should,” “could,” “seeks,” “approximately,” “predicts,” “intends,” “plans,” “estimates,” “anticipates,” or the negative version of these words or other comparable words or phrases, but the absence of these words does not mean that a statement is not forward-looking. These forward-looking statements, which are subject to risks, uncertainties, and assumptions about us, may include projections of our future financial performance, our anticipated growth strategies, and anticipated trends in our business.

These statements are only predictions based on our current expectations and projections about future events. These statements involve known and unknown risks, uncertainties, and other important factors that could cause our actual results, level of activity, performance, or achievements to differ materially from the results, level of activity, performance, or achievements expressed or implied by the forward-looking statements. Given these risks, uncertainties, and other factors, you should not place undue reliance on these forward-looking statements. These factors include the information set forth in Part 1, Item 1A, of our Annual Report on Form 10-K for the fiscal year ended December 31, 2022 under the heading “Risk Factors,” and Part II, Item 1A, of this Quarterly Report under the heading “Risk Factors,” which we encourage you to carefully read. Although we believe the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, level of activity, performance, or achievements. We undertake no obligation to update any forward-looking statements made in this Form 10-Q to reflect events or circumstances after the date of this Form 10-Q or to reflect new information or the occurrence of unanticipated events, except as required by law.

PART 1. FINANCIAL INFORMATION

Item 1. Financial statements (Unaudited)

AEYE, INC.
CONDENSED CONSOLIDATED BALANCE SHEETS
(In thousands, except share and par value)

	June 30, 2023	December 31, 2022
	(Unaudited)	
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 18,392	\$ 19,064
Marketable securities	40,260	75,135
Accounts receivable, net	290	617
Inventories, net	4,913	4,553
Prepaid and other current assets	3,297	6,181
Total current assets	67,152	105,550
Right-of-use assets	14,749	15,502
Property and equipment, net	7,783	7,665
Restricted cash	—	2,150
Other noncurrent assets	6,235	2,473
Total assets	\$ 95,919	\$ 133,340
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES:		
Accounts payable	\$ 3,520	\$ 3,218
Accrued expenses and other current liabilities	9,020	9,764
Contract liabilities	150	987
Convertible notes	1,641	8,594
Total current liabilities	14,331	22,563
Operating lease liabilities, noncurrent	15,888	16,681
Other noncurrent liabilities	44	126
Total liabilities	30,263	39,370
COMMITMENTS AND CONTINGENCIES (Note 16)		
STOCKHOLDERS' EQUITY:		
Preferred stock—\$0.0001 par value: 1,000,000 shares authorized; no shares issued and outstanding	—	—
Common stock—\$0.0001 par value: 600,000,000 shares authorized; 181,420,313 and 163,099,124 shares issued and outstanding at June 30, 2023 and December 31, 2022	18	16
Additional paid-in capital	358,833	345,742
Accumulated other comprehensive loss	(390)	(1,279)
Accumulated deficit	(292,805)	(250,509)
Total stockholders' equity	65,656	93,970
Total liabilities and stockholders' equity	\$ 95,919	\$ 133,340

The accompanying notes are an integral part of these condensed consolidated financial statements.

AEYE, INC.
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS
(In thousands, except share and per share data)
(Unaudited)

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
REVENUE:				
Prototype sales	\$ 245	\$ 195	\$ 370	\$ 530
Development contracts	326	511	837	1,258
Total revenue	571	706	1,207	1,788
Cost of revenue	1,911	1,427	4,172	2,909
Gross loss	(1,340)	(721)	(2,965)	(1,121)
OPERATING EXPENSES:				
Research and development	5,897	10,762	15,339	19,338
Sales and marketing	2,604	5,323	8,872	9,939
General and administrative	6,345	9,827	14,899	21,157
Total operating expenses	14,846	25,912	39,110	50,434
LOSS FROM OPERATIONS	(16,186)	(26,633)	(42,075)	(51,555)
OTHER INCOME (EXPENSE):				
Change in fair value of convertible note and warrant liabilities	(116)	141	(926)	109
Interest income and other	301	350	578	774
Interest expense and other	(11)	(307)	165	(650)
Total other income (expense), net	174	184	(183)	233
Provision for income tax expense	19	18	38	26
Net loss	\$ (16,031)	\$ (26,467)	\$ (42,296)	\$ (51,348)
PER SHARE DATA				
Net loss per common share (basic and diluted)	\$ (0.09)	\$ (0.17)	\$ (0.25)	\$ (0.33)
Weighted average common shares outstanding (basic and diluted)	175,675,994	157,310,419	168,962,722	156,071,676
COMPREHENSIVE LOSS:				
Net loss	\$ (16,031)	\$ (26,467)	\$ (42,296)	\$ (51,348)
Change in net unrealized loss on available-for-sale securities, net of tax	420	(182)	910	(1,238)
Change in fair value due to instrument-specific credit risk, net of tax	—	—	(21)	—
Comprehensive loss	\$ (15,611)	\$ (26,649)	\$ (41,407)	\$ (52,586)

The accompanying notes are an integral part of these condensed consolidated financial statements.

AEYE, INC.
CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY
For the six months ended June 30, 2023 and 2022
(In thousands, except share data)
(Unaudited)

	Preferred Stock		Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Loss	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount	Shares	Amount				
BALANCE—December 31, 2022	—	\$ —	163,099,124	\$ 16	\$ 345,742	\$ (1,279)	\$ (250,509)	\$ 93,970
Stock-based compensation	—	—	—	—	6,513	—	—	6,513
Issuance of common stock upon exercise of stock options	—	—	2,069,081	—	391	—	—	391
Issuance of common stock upon vesting of restricted stock units	—	—	2,983,790	—	—	—	—	—
Taxes related to net share settlement of equity awards	—	—	(1,320,828)	—	(867)	—	—	(867)
Conversion of convertible note into common stock	—	—	4,138,414	1	1,754	—	—	1,755
Other comprehensive income, net of tax	—	—	—	—	—	469	—	469
Net loss	—	—	—	—	—	—	(26,265)	(26,265)
BALANCE—March 31, 2023	—	\$ —	170,969,581	\$ 17	\$ 353,533	\$ (810)	\$ (276,774)	\$ 75,966
Stock-based compensation	—	—	—	—	4,110	—	—	4,110
Issuance of common stock upon vesting of restricted stock units	—	—	2,562,467	—	—	—	—	—
Taxes related to net share settlement of equity awards	—	—	(895,829)	—	(181)	—	—	(181)
Conversion of convertible note into common stock	—	—	8,119,992	1	1,253	—	—	1,254
Issuance of common stock through Employee Stock Purchase Plan	—	—	664,102	—	118	—	—	118
Other comprehensive income, net of tax	—	—	—	—	—	420	—	420
Net loss	—	—	—	—	—	—	(16,031)	(16,031)
BALANCE—June 30, 2023	—	\$ —	181,420,313	\$ 18	\$ 358,833	\$ (390)	\$ (292,805)	\$ 65,656

	Preferred Stock		Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Loss	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount	Shares	Amount				
BALANCE—December 31, 2021	—	\$ —	155,137,237	\$ 16	\$ 320,937	\$ (391)	\$ (151,795)	\$ 168,767
Stock-based compensation					5,340	—	—	5,340
Issuance of common stock upon exercise of options	—	—	656,303	—	222	—	—	222
Issuance of common stock upon vesting of restricted stock units	—	—	856,917	—	—	—	—	—
Taxes related to net share settlement of equity awards	—	—	(285,533)	—	(1,149)	—	—	(1,149)
Change in net unrealized loss on available-for-sale securities, net of tax	—	—	—	—	—	(1,056)	—	(1,056)
Net loss	—	—	—	—	—	—	(24,881)	(24,881)
BALANCE—March 31, 2022	—	\$ —	156,364,924	\$ 16	\$ 325,350	\$ (1,447)	\$ (176,676)	\$ 147,243
Stock-based compensation	—	—	—	—	6,557	—	—	6,557
Issuance of common stock upon exercise of stock options	—	—	1,105,298	—	446	—	—	446
Issuance of common stock upon vesting of restricted stock units	—	—	883,318	—	—	—	—	—
Taxes related to net share settlement of equity awards	—	—	(312,920)	—	(1,431)	—	—	(1,431)
Issuance of common stock under the Common Stock Purchase Agreement	—	—	435,000	—	1,422	—	—	1,422
Issuance of stock upon exercise of public warrants	—	—	10	—	—	—	—	—
Change in net unrealized loss on available-for-sale securities, net of tax	—	—	—	—	—	(182)	—	(182)
Net loss	—	—	—	—	—	—	(26,467)	(26,467)
BALANCE—June 30, 2022	—	\$ —	158,475,630	\$ 16	\$ 332,344	\$ (1,629)	\$ (203,143)	\$ 127,588

The accompanying notes are an integral part of these condensed consolidated financial statements.

AEYE, INC.
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(In thousands)
(Unaudited)

	Six months ended June 30,	
	2023	2022
CASH FLOWS FROM OPERATING ACTIVITIES:		
Net loss	\$ (42,296)	\$ (51,348)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	666	463
Gain on sale of property and equipment, net	(52)	—
Noncash lease expense relating to operating lease right-of-use assets	706	654
Impairment of right-of-use assets	47	—
Inventory write-downs, net of scrapped inventory	544	335
Change in fair value of convertible note and warrant liabilities	926	(109)
Stock-based compensation	10,623	11,897
Amortization of premiums and accretion of discounts on marketable securities, net of change in accrued interest	(65)	826
Changes in operating assets and liabilities:		
Accounts receivable, net	327	4,033
Inventories, current and noncurrent, net	(2,502)	(1,316)
Prepaid and other current assets	2,884	900
Other noncurrent assets	(2,164)	411
Accounts payable	282	932
Accrued expenses and other current liabilities	(785)	1,354
Operating lease liabilities	(749)	(859)
Contract liabilities	(837)	(1,285)
Net cash used in operating activities	(32,445)	(33,112)
CASH FLOWS FROM INVESTING ACTIVITIES:		
Purchase of property and equipment	(808)	(1,759)
Proceeds from sale of property and equipment	96	—
Proceeds from redemptions and maturities of marketable securities	35,850	26,234
Net cash provided by investing activities	35,138	24,475
CASH FLOWS FROM FINANCING ACTIVITIES:		
Proceeds from exercise of stock options	391	668
Taxes paid related to the net share settlement of equity awards	(1,051)	(3,400)
Payments for convertible note redemptions	(4,973)	—
Proceeds from issuance of common stock under the Common Stock Purchase Agreement	—	1,422
Proceeds from issuance of common stock through Employee Stock Purchase Plan	118	—
Net cash used in financing activities	(5,515)	(1,310)
NET INCREASE (DECREASE) IN CASH, CASH EQUIVALENTS AND RESTRICTED CASH	(2,822)	(9,947)
CASH, CASH EQUIVALENTS AND RESTRICTED CASH—Beginning of period	21,214	16,333
CASH, CASH EQUIVALENTS AND RESTRICTED CASH—End of period	\$ 18,392	\$ 6,386
SUPPLEMENTAL CASH FLOW INFORMATION:		
Cash paid for income taxes	10	10
Cash paid for interest	106	—
SUPPLEMENTAL DISCLOSURE OF NONCASH INVESTING AND FINANCING ACTIVITIES:		
Purchases of property and equipment included in accounts payable and accrued liabilities	48	562
Operating lease right-of-use assets obtained in exchange for lease obligations upon adoption of ASC 842	—	16,284
Conversion of convertible notes and accrued interest into Class A common stock	3,009	—
Taxes related to net share settlement of equity awards included in accrued liabilities	1	15
Operating lease right-of-use assets obtained in exchange for lease obligation	—	556

The accompanying notes are an integral part of these condensed consolidated financial statements.

AEYE, INC.
NOTES TO UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(in thousands, except share and per share data or otherwise stated)

1. ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

AEye, Inc. (the "Company" or "AEye"), formerly known as CF Finance Acquisition Corp. III, was originally incorporated in Delaware on March 15, 2016 under the name CF SPAC Re Inc. On February 17, 2021, AEye Technologies, Inc., then known as AEye, Inc., entered into an Agreement and Plan of Merger with CF III. Based on CF III's business activities, it was a "shell company" as defined under the Securities Exchange Act of 1934, as amended. On August 16, 2021, the business combination contemplated by the Agreement and Plan of Merger was closed and CF III changed its name to AEye, Inc.

AEye is a provider of high-performance lidar systems for vehicle autonomy, advanced driver-assistance systems (ADAS), and smart industrial applications. AEye's software-definable 4Sight™ Intelligent Sensing Platform combines solid-state lidar, an optionally fused low-light HD camera, and integrated deterministic artificial intelligence to capture more intelligent information with less data, enabling faster, more accurate, and more reliable perception of the surroundings.

The Company's common stock and public warrants are listed on the Nasdaq Stock Market LLC ("Nasdaq") under the symbols "LIDR" and "LIDRW," respectively. Unless otherwise specified, "we," "us," "our," "AEye," and the "Company" refers to AEye, Inc.

Unaudited Condensed Consolidated Financial Statements

The accompanying condensed consolidated financial statements are unaudited and have been prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") for interim financial statements and pursuant to the rules and regulations of the Securities and Exchange Commission. Accordingly, they do not include all of the information and footnotes required by GAAP for complete financial statements. In the opinion of management, all adjustments considered necessary for fair presentation have been included. The accompanying interim unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and related notes thereto for the year ended December 31, 2022 included in the Company's Annual Report on Form 10-K for the year ended December 31, 2022.

Certain prior year line-item descriptions have been updated for consistency with the current year presentation, however, these changes did not impact the amounts or comparability. Amortization of premiums on marketable securities, net of change in accrued interest is now presented as Amortization of premiums and accretion of discounts on marketable securities, net of change in accrued interest on the condensed consolidated statements of cash flows.

Concentration of Credit Risk

Financial instruments which potentially subject the Company to concentration of credit risk consist primarily of cash, cash equivalents, and marketable securities, and accounts receivable. The Company places its cash and cash equivalents with major financial institutions, which management assesses to be of high credit quality, to limit the exposure of each investment. The Company's marketable securities have investment grade ratings when purchased which mitigates risk.

The Company's accounts receivables are derived from customers located in the U.S., Europe, and Asia. The Company mitigates its credit risks by performing ongoing credit evaluations of its customers' financial conditions. The Company generally does not require collateral.

Recently Adopted Accounting Guidance

In June 2016, the Financial Accounting Standards Board, ("FASB"), issued Accounting Standards Update ("ASU") 2016-13, *Measurement of Credit Losses on Financial Instruments*, which has subsequently been amended by ASU No. 2018-19, ASU No. 2019-04, ASU No. 2019-05, ASU No. 2019-10, and ASU No. 2019-11. The objective of the guidance in ASU 2016-13 is to allow entities to recognize estimated credit losses in the period that the change in valuation occurs. ASU 2016-13 requires an entity to present financial assets measured on an amortized cost basis on the balance sheet net of an allowance for credit losses. Available-for-sale and held to maturity debt

securities are also required to be held net of an allowance for credit losses. For public business entities, this standard is effective for fiscal years beginning after December 15, 2019. For smaller reporting companies, the standard is effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years. Early adoption is permitted. The Company adopted ASU 2016-13 on January 1, 2023 which resulted in an immaterial impact to the consolidated financial statements.

2. FAIR VALUE MEASUREMENTS

The fair value of the Company's financial assets and liabilities is determined in accordance with the fair value hierarchy established in FASB ASC Topic 820, *Fair Value Measurements and Disclosures* ("ASC 820"). ASC 820 defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. The fair value hierarchy of ASC 820 requires an entity to maximize the use of observable inputs when measuring fair value and classifies those inputs into three levels:

Level 1—Observable inputs, such as quoted prices in active markets for identical assets or liabilities.

Level 2—Observable inputs, other than Level 1 inputs, which are observable either directly or indirectly or can be corroborated by observable market data using quoted prices for similar assets or liabilities.

Level 3—Unobservable inputs in which there is little or no market data, which require the reporting entity to develop its own assumptions.

The Company's financial instruments that are not re-measured at fair value include accounts receivable, prepaid and other current assets, accounts payable, accrued expenses and other current liabilities. The carrying values of these financial instruments approximate their fair values.

The Company's financial assets and liabilities measured at fair value on a recurring basis and the level of inputs used for such measurements were as follows (in thousands):

	Fair Value Measured as of June 30, 2023 Using:				
	Adjusted Cost	Unrealized losses	Fair Value	Cash and Cash Equivalents	Marketable Securities
Assets					
Level 1					
Money market funds	\$ 16,863	\$ —	\$ 16,863	\$ 16,863	\$ —
Level 2					
Asset-backed securities	\$ 3,503	\$ (40)	\$ 3,463	\$ —	\$ 3,463
Corporate bonds	7,095	(39)	7,056	—	7,056
Commercial paper	—	—	—	—	—
U.S. Government securities	30,006	(265)	29,741	—	29,741
Total financial assets	<u>\$ 57,467</u>	<u>\$ (344)</u>	<u>\$ 57,123</u>	<u>\$ 16,863</u>	<u>\$ 40,260</u>
Liabilities					
Level 2					
Private placement warrant liability	\$ —	\$ —	\$ 2	\$ —	\$ —
Level 3					
Convertible notes	\$ —	\$ —	\$ 1,641	\$ —	\$ —
Derivative warrant liability	—	—	42	—	—
Total financial liabilities	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 1,685</u>	<u>\$ —</u>	<u>\$ —</u>

Fair Value Measured as of December 31, 2022 Using:

	Adjusted Cost	Unrealized losses	Fair Value	Cash and Cash Equivalents	Marketable Securities
Assets					
Level 1					
Money market funds	\$ 14,253	\$ —	\$ 14,253	\$ 14,253	\$ —
Level 2					
Asset-backed securities	\$ 3,507	\$ (119)	\$ 3,388	\$ —	\$ 3,388
Corporate bonds	22,139	(240)	21,899	—	21,899
Commercial paper	20,760	—	20,760	—	20,760
U.S. Government securities	29,983	(895)	29,088	—	29,088
Total financial assets	\$ 90,642	\$ (1,254)	\$ 89,388	\$ 14,253	\$ 75,135
Liabilities					
Level 2					
Private placement warrant liability	\$ —	\$ —	\$ 7	\$ —	\$ —
Level 3					
Convertible notes			\$ 8,594		
Derivative warrant liability			119		
Total financial liabilities	\$ —	\$ —	\$ 8,720	\$ —	\$ —

As of June 30, 2023, the Company's financial assets and liabilities subject to fair value procedures were comprised of the following:

Money Market Funds: The Company holds financial assets consisting of money market funds. These securities are valued using observable inputs, such as quoted prices in active markets for identical assets or liabilities.

Marketable Securities: The Company holds financial assets consisting of fixed-income U.S. government agency securities, corporate bonds, commercial paper, and asset-backed securities. The securities are valued using prices from independent pricing services based on quoted prices of identical instruments in less active or inactive markets. Additionally, quoted prices of similar instruments in active market or industry models using data inputs such as interest rates and prices that can be directly observed or corroborated in active markets are used to value marketable securities.

2022 Convertible Note: On September 15, 2022, the Company entered into a convertible note agreement with a face value of \$10,500,000 (the "2022 Note"). The Company elected the fair value option to account for the 2022 Note. The fair value estimate of the 2022 Note was based on a binomial lattice model, which represents Level 3 measurements. Significant assumptions include the discount rate used in the model, remaining term, stock price, and volatility. The discount rate is derived from the estimated credit spread and the risk-free interest rate, which is based on interpolated U.S. Treasury rates, commensurate with a similar term to the 2022 Note. The remaining term is calculated based on the estimated maturity date of the 2022 Note. The stock price is based on the publicly traded price of our common stock as of the measurement date. The Company estimated the volatility for the 2022 Note based on the historical and implied volatilities of the Company's publicly traded common stock. The changes in fair value are recognized in other income (expense), net for each reporting period.

Derivative Warrant Liability: The Company's derivative warrant liability includes the warrants that were issued by the Company as part of the 2022 Note. The warrants are recorded on the condensed consolidated balance sheets at fair value. The fair value is based on unobservable inputs, which represent Level 3 measurements within the fair value hierarchy. The fair value estimate of the warrants was based on a Monte-Carlo simulation model. Inherent in a Monte-Carlo simulation model are assumptions related to price, volatility, risk-free interest rate, term to expiration, and dividend yield. The price is based on the publicly traded price of our common stock as of the measurement date. The Company estimated the volatility for the warrants based on the historical and implied volatilities of the Company's publicly traded common stock. The risk-free interest rate is based on interpolated U.S. Treasury rates, commensurate with a similar term to the warrants. The term to expiration was calculated as the contractual term of the warrants of 4 years. Finally, the Company does not currently anticipate paying a dividend.

Any changes in these assumptions can change the valuation significantly. Changes in fair value are recognized in other income (expense) for each reporting period. Derivative Warrant Liability is included within other noncurrent liabilities on the condensed consolidated balance sheets.

Private Placement Warrant Liability: As of June 30, 2023, Private Placement Warrants are recorded on the condensed consolidated balance sheets at fair value. The fair value is based on observable Level 2 inputs, specifically, the observable input of the Company's public warrants. Any changes in the fair value of the liability are reflected in other income (expense), net, on the condensed consolidated statements of operations and comprehensive loss. Private Placement Warrant liability is included within other noncurrent liabilities on the condensed consolidated balance sheets.

For the six months ended June 30, 2023, there were no net transfers between Level 1 and Level 2 inputs.

The following table presents a summary of the changes in fair value of the Company's Level 3 financial instruments for the six months ended June 30, 2023 (in thousands):

	2022 Note	Derivative Warrant Liability	Total
Balance at December 31, 2022	\$ 8,594	\$ 119	\$ 8,713
Payments or conversions	(7,982)	—	(7,982)
Change in fair value included in other income (expense), net	1,008	(77)	931
Change in fair value due to instrument specific credit risk included in other comprehensive income	21	—	21
Balance at June 30, 2023	<u>\$ 1,641</u>	<u>\$ 42</u>	<u>\$ 1,683</u>

The key inputs into the binomial-lattice model for the 2022 Note valued at June 30, 2023 are as follows:

	June 30, 2023
Remaining term (years)	0.2
Expected volatility	115.0 %
Risk-free interest rate	5.3 %
Dividend yield	— %
Estimated credit spread	35.7 %

The key inputs into the Monte-Carlo simulation model for the derivative warrant liability valued at June 30, 2023 are as follows:

	June 30, 2023
Expected term (years)	3.2
Expected volatility	115.0 %
Risk-free interest rate	4.4 %
Dividend yield	— %
Exercise price	\$ 3.50

If factors or assumptions change, the estimated fair values could be materially different. The value of the Company's derivative warrant liability would increase if a higher risk-free interest rate was used, and would decrease if a lower risk-free interest rate was used. Similarly, a higher volatility assumption would increase the value of the liability, and a lower volatility assumption would decrease the value of the liability. The value of the Company's 2022 Note liability would increase if a lower discount rate was used, and would decrease if a higher discount rate was used.

3. CASH, CASH EQUIVALENTS, AND RESTRICTED CASH

Cash, cash equivalents, and restricted cash as of June 30, 2023 and December 31, 2022 were as follows (in thousands):

	<u>June 30, 2023</u>	<u>December 31, 2022</u>
	(unaudited)	
Cash and cash equivalents	\$ 18,392	\$ 19,064
Restricted cash	—	2,150
Total cash, cash equivalents, and restricted cash	<u>\$ 18,392</u>	<u>\$ 21,214</u>

4. INVENTORIES

Inventory, net of write-downs, as of June 30, 2023 and December 31, 2022 were as follows (in thousands):

	<u>June 30, 2023</u>	<u>December 31, 2022</u>
	(unaudited)	
Raw materials	\$ 2,035	\$ 2,022
Work in-process	2,823	2,484
Finished goods	55	47
Total inventory, net	<u>\$ 4,913</u>	<u>\$ 4,553</u>

The Company also had \$3,089 and \$1,491 of non-current inventory (raw materials) classified within Other noncurrent assets on the condensed consolidated balance sheet as of June 30, 2023 and December 31, 2022, respectively.

The Company's inventory as of June 30, 2023 and December 31, 2022 was written down by \$592 and \$833, respectively, in order to reduce inventory to the lower of cost or to its net realizable value.

5. PREPAID AND OTHER CURRENT ASSETS

Prepaid and other current assets as of June 30, 2023 and December 31, 2022 were as follows (in thousands):

	<u>June 30, 2023</u>	<u>December 31, 2022</u>
	(unaudited)	
Prepaid expenses	\$ 1,728	\$ 4,203
Advances to suppliers	1,351	984
Demonstration units	109	281
Other	109	713
Total prepaid and other current assets	<u>\$ 3,297</u>	<u>\$ 6,181</u>

6. LEASES

The components of operating lease expenses for the three and six months ended June 30, 2023 and 2022 are as follows (in thousands):

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
Operating lease cost	\$ 602	\$ 600	\$ 1,204	\$ 1,178
Variable lease cost	80	52	159	115
Total operating lease cost	<u>\$ 682</u>	<u>\$ 652</u>	<u>\$ 1,363</u>	<u>\$ 1,293</u>

Maturities of lease liabilities are as follows (in thousands):

Years ending - December 31:	Operating leases (Unaudited)
2023 (remaining six months)	\$ 1,262
2024	2,570
2025	2,583
2026	2,660
2027	2,701
Thereafter	11,116
Total lease payments	22,892
Less amount to discount to present value	(4,505)
Present value of lease liabilities	<u>\$ 18,387</u>

7. OTHER NONCURRENT ASSETS

Other noncurrent assets as of June 30, 2023 and December 31, 2022 were as follows (in thousands):

	June 30, 2023 (unaudited)	December 31, 2022
Non-current inventory	\$ 3,089	\$ 1,491
Long-term prepaid expenses	902	901
Security deposits	2,244	81
Total other noncurrent assets	<u>\$ 6,235</u>	<u>\$ 2,473</u>

On April 14, 2023 the landlord of the Company's headquarters drew \$2,150 from the existing letter of credit which resulted in a reclassification of \$2,150 out of restricted cash and into security deposits. Refer to Footnote 18 "Subsequent events" for activity regarding this security deposit after June 30, 2023 but before issuance of this Form 10-Q.

8. CONVERTIBLE NOTES

2022 Convertible Note

On September 14, 2022, the Company entered into a Securities Purchase Agreement, or SPA, with an investor allowing for the sale and issue of two convertible notes, each with a principal balance of \$10,500 and cash proceeds of \$9,850, for a total of \$20,000 in proceeds between the two issuances (each, a "Note Closing"). The first Note Closing ("First Closing") occurred on September 15, 2022, and the Company entered into a Senior Unsecured Convertible Note with the investor pursuant to which the Company issued to the investor one convertible note ("2022 Note") with a principal balance of \$10,500 for cash proceeds of \$9,850. As part of the First Closing, the Company also issued warrants to the investor. The second tranche convertible note under the SPA can be drawn at our option, subject to satisfaction of certain conditions specified in the SPA, including, without limitation, (i) absence of an uncured event of default, as defined, (ii) there being a sufficient number of authorized but unissued shares of our common stock available for issuance, (iii) the daily volume weighted average price of our common stock exceeding \$1.50 for the twenty (20) trading days prior to the draw of the second tranche, (iv) the average daily trading volume of our common stock exceeding \$1.5 million for the twenty (20) trading days prior to the draw of the second tranche, and (v) the outstanding balance of the first tranche being less than \$2 million. These conditions can be waived by the lender, but the lender has no obligation to do so. If the second tranche is not drawn down by March 15, 2024, the Company's right to effect a Second Closing shall automatically terminate.

The 2022 Note bears interest at an annual rate of 5.0%, in addition to an original issue discount of 4.76%, and had an initial maturity date of March 15, 2024 ("Maturity Date"). Beginning December 15, 2022, and the first of each subsequent month (each a "Monthly Redemption Date" or an "Installment Date"), the Company shall redeem the Monthly Redemption Amount until the 2022 Note is fully redeemed. The Monthly Redemption Amount, in most instances, will be 1/15th of the original principal amount, plus any amount accelerated pursuant to the 2022 Note, accrued but unpaid interest, and late fees, if any. The principal and interest may be settled in cash or, so long as certain equity conditions are met, shares of Common Stock at the option of the Company and is payable together with monthly redemptions of the outstanding principal amount of the Note.

If the Company elects to settle such redemptions in shares of Common Stock, the number of shares to be settled shall be based on an Installment Conversion Price equal to the lower of (i) \$2.50 or (ii) 95% of the lowest daily volume weighted average price of the Common Stock during the five (5) trading days immediately preceding the applicable Monthly Redemption Date. If the Company elects to settle redemptions in cash, the Monthly Redemption Amount shall include a 5% premium.

The investor is permitted to accelerate up to four (4) Monthly Redemption Amounts in any calendar month (each, an "Acceleration," and each such amount, an "Acceleration Amount", and the Conversion Date of any such Acceleration, each an "Acceleration Date") at the Acceleration Conversion Price, subject to a \$2,800 limit per month. The Acceleration Conversion Price shall be the lower of (i) the Installment Conversion Price for such current Installment Date or (ii) the greater of \$0.30 and 95% of the lowest daily volume weighted average price of the Common Stock during the five (5) trading days immediately preceding the Acceleration Date.

As these terms are defined in the 2022 Note, if either the relevant Installment Conversion Price or Acceleration Conversion Price, as applicable, is less than \$0.30 per share, then a Conversion Floor Price Condition exists and we must deliver to the note holder the Conversion Installment Floor Amount in cash, in addition to the required number of shares, which are valued at \$0.30 regardless of the actual trading price of our shares. The Conversion Installment Floor Amount is an amount in cash equal to the product obtained by multiplying (A) the higher of (i) the highest price that the Common Stock trades at on the Trading Day immediately preceding the relevant Share Delivery Date and (ii) the applicable Installment or Acceleration Conversion Price and (B) the difference obtained by subtracting (i) the number of shares of Common Stock delivered to the investor on the applicable Share Delivery Date with respect to such Conversion from (ii) the quotient obtained by dividing (x) the applicable Installment or Acceleration amount subject to such Conversion, by (y) the applicable Installment Conversion Price. Interest payments are also true-up in cash when the value of our shares is below \$0.30 per share.

The Company elected to apply the fair value option to the measurement of the 2022 Note. As a result of adopting the fair value option, no embedded derivatives should be bifurcated from the 2022 Note. The Company classifies the 2022 Note as a liability at fair value and will remeasure the 2022 Note to fair value at each reporting period. The fair value measurement includes the assumption of accrued interest and expense and thus a separate amount is not reflected on the condensed consolidated statement of operations.

As of June 30, 2023, the 2022 Note has outstanding principal of \$1,545 and is recorded as a current liability at fair value of \$1,641. Refer to Footnote 18 "Subsequent events" for activity regarding the 2022 Note after June 30, 2023 but before issuance of this Form 10-Q.

9. INTEREST EXPENSE AND OTHER

Interest expense and other for the three and six months ended June 30, 2023 and 2022 consisted of the following (in thousands):

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
Amortization of premiums (accretion of discounts) on marketable securities, net	(41)	272	(229)	608
Common Stock Purchase Agreement costs	—	28	—	28
Impairment of right-of-use assets	47	—	47	—
Other	5	7	17	14
Interest expense and other	\$ 11	\$ 307	\$ (165)	\$ 650

10. ACCUMULATED OTHER COMPREHENSIVE LOSS

The changes in accumulated other comprehensive loss by component for the six months ended June 30, 2023 and 2022 are as follows (in thousands):

	Change in net unrealized loss on available-for-sale securities	Change in fair value due to instrument-specific credit risk	Total
Balance at December 31, 2022	\$ (1,254)	\$ (25)	\$ (1,279)
Other comprehensive income (loss), net of tax	490	(21)	469
Balance at March 31, 2023	\$ (764)	\$ (46)	\$ (810)
Other comprehensive income, net of tax	420	—	420
Balance at June 30, 2023	\$ (344)	\$ (46)	\$ (390)

	Change in net unrealized loss on available-for-sale securities	Change in fair value due to instrument-specific credit risk	Total
Balance at December 31, 2021	\$ (391)	\$ —	\$ (391)
Other comprehensive loss, net of tax	(1,056)	—	(1,056)
Balance at March 31, 2022	\$ (1,447)	\$ —	\$ (1,447)
Other comprehensive loss, net of tax	(182)	—	(182)
Balance at June 30, 2022	\$ (1,629)	\$ —	\$ (1,629)

11. NET LOSS PER SHARE

The following table sets forth the basic and diluted net loss per share attributable to common stockholders for the periods presented (in thousands, except per share data):

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
Numerator:				
Net loss attributable to common stockholders	\$ (16,031)	\$ (26,467)	\$ (42,296)	\$ (51,348)
Denominator:				
Weighted average common shares outstanding- Basic	175,675,994	157,310,419	168,962,722	156,071,676
Dilutive effect of potential common shares	—	—	—	—
Weighted average common shares outstanding- Diluted	175,675,994	157,310,419	168,962,722	156,071,676
Net loss per share attributable to common stockholders - Basic and Diluted	\$ (0.09)	\$ (0.17)	\$ (0.25)	\$ (0.33)

Due to net losses for the six months ended June 30, 2023 and 2022, basic and diluted net loss per share were the same, as the effect of all potentially dilutive securities would have been anti-dilutive. The following table sets forth the anti-dilutive common share equivalents for the periods listed:

	Three and six months ended June 30,	
	2023	2022
Common stock options issued and outstanding	12,499,030	27,152,921
Unvested restricted stock units	26,297,351	13,203,133
Warrants	9,583,322	7,833,322
Conversion of convertible notes	9,235,233	—
ESPP	6,395,900	—
Total	64,010,836	48,189,376

12. STOCK-BASED COMPENSATION

The following table summarizes stock-based compensation expense recorded in each component of operating expenses in the Company's condensed consolidated statements of operations and comprehensive loss for

the three and six months ended June 30, 2023 and 2022 (in thousands):

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
Cost of revenue	\$ 34	\$ 43	\$ 95	\$ 43
Research and development	1,530	2,045	3,808	3,268
Sales and marketing	674	1,332	2,042	2,238
General and administrative	1,872	3,137	4,678	6,348
Total stock-based compensation	\$ 4,110	\$ 6,557	\$ 10,623	\$ 11,897

The Company uses the Monte-Carlo simulation model to estimate the grant date fair value of awards with a market condition, which requires the input of subjective assumptions such as expected term, the expected stock price volatility, risk free interest rate and dividend yield as discussed below.

Expected Term—The expected term for awards with a market condition is the length of time from the grant date to the date the market condition expires.

Expected Volatility—Expected volatility is estimated using a combination of the average historical volatility of the Company's own stock and those of comparable companies' stock.

Risk-Free Interest Rate—The risk-free interest rates are based on US Treasury yields in effect at the grant date for notes with comparable terms as the awards.

Dividend Yield—The expected dividend-yield assumption is based on the Company's current expectations about its anticipated dividend policy.

The following table summarizes the valuation assumptions used in estimating the fair value of awards granted during the period with a market condition:

	Six months ended June 30, 2023
Expected term (years)	1.05
Expected volatility	104.5 %
Risk-free interest rate	4.8 %
Dividend yield	— %

13. REVENUE

Sale of Prototypes

The Company recorded revenue for prototype sales of \$245 and \$370 in the three and six months ended June 30, 2023, respectively, and \$195 and \$530 in the three and six months ended June 30, 2022, respectively, in the condensed consolidated statements of operations and comprehensive loss. The Company does not incur significant contract costs in fulfilling or obtaining their contracts with customers.

Development Contracts

The Company has entered into research and development contracts with companies primarily in the automotive industry. The Company assessed the number of performance obligations associated with the promises under each agreement, primarily the delivery of customized 4Sight™ perception-related goods and services, and recognized \$326 and \$837 in revenue for performance obligations satisfied during the three and six months ended June 30, 2023 and \$511 and \$1,258 during the three and six months ended June 30, 2022, respectively, in the condensed consolidated statements of operations and comprehensive loss.

Disaggregation of Revenue

The Company recognized the following revenues by geographic area based on the primary billing address of the customer and by the timing of the transfer of goods or services to customers (point in time or over time), as it believes such criteria best depict how the nature, amount, timing, and uncertainty of its revenue and cash flows are affected by economic factors. Total revenue based on the disaggregation criteria described above are as follows (in thousands):

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
Revenue by primary geographical market:				
United States	\$ 443	\$ 626	\$ 990	\$ 1,647
Europe	128	80	160	120
Australia	—	—	32	—
Asia	—	—	25	21
Total	\$ 571	\$ 706	\$ 1,207	\$ 1,788
Revenue by timing of recognition:				
Recognized at a point in time	\$ 245	\$ 214	\$ 370	\$ 750
Recognized over time	326	492	837	1,038
Total	\$ 571	\$ 706	\$ 1,207	\$ 1,788

Contract Liabilities

Contract liabilities consisted of the following as of June 30, 2023 and December 31, 2022 (in thousands):

	June 30, 2023	December 31, 2022
	(unaudited)	
Contract liabilities, current	\$ 150	\$ 987
Total	\$ 150	\$ 987

The following table shows the significant changes in contract liabilities balance for the six months ended June 30, 2023 and 2022 (in thousands):

	Six months ended June 30,	
	2023	2022
Beginning balance	\$ 987	\$ 2,918
Revenue recognized that was included in the contract liabilities beginning balance	(837)	(1,285)
Increase due to cash received and not recognized as revenue and billings in excess of revenue recognized during the period	—	—
Ending balance	\$ 150	\$ 1,633

Remaining Performance Obligations

Revenue allocated to remaining performance obligations represents the transaction price allocated to the performance obligations that are unsatisfied, or partially unsatisfied. It includes unearned revenue and amounts that will be invoiced and recognized as revenue in future periods and does not include contracts where the customer is not committed. The customer is not considered committed where they are able to terminate for convenience without payment of a substantive penalty under the contract. Additionally, as a practical expedient, the Company has not disclosed the value of unsatisfied performance obligations for contracts with an original expected length of one year or less. The contract liabilities balance represents the remaining performance obligations for contracts with an original duration of greater than one year.

14. Restructuring

In the first quarter of 2023, management began the implementation of a revised strategic plan to focus on key products and critical customer engagements it believes will generate the best long-term results for all stakeholders. As a part of the implementation of the revised strategic plan, the Company has realigned resources, which resulted in restructuring charges of \$45 in the three months ended June 30, 2023 and \$1,298 in the six months ended June 30, 2023 relating to one-time employee termination benefits. The majority of these restructuring charges were paid in the second quarter of 2023, however, the Company expects that the implementation of the revised strategic plan will continue over the remainder of the 2023 fiscal year. The Company did not have any restructuring charges during fiscal year 2022. Restructuring related liabilities are included in accrued expenses and other current liabilities in the condensed consolidated balance sheets.

Restructuring activity is summarized as follows as of June 30, 2023 (in thousands):

	One-time employee termination benefits
Balance as of December 31, 2022	\$ —
Charges	1,253
Cash payments	(199)
Balance as of March 31, 2023	\$ 1,054
Charges	45
Cash payments	(955)
Balance as of June 30, 2023	\$ 144

Restructuring charges were included in the condensed consolidated statements of operations and comprehensive loss during the three and six months ended June 30, 2023 as follows (in thousands):

	Three months ended June 30, 2023	Six months ended June 30, 2023
Cost of revenue	\$ —	\$ 50
Research and development	—	503
Sales and marketing	45	558
General and administrative	—	187
Total restructuring charges	\$ 45	\$ 1,298

15. INCOME TAXES

For the three and six months ended June 30, 2023, the Company recorded \$19 and \$38 provision for income taxes, respectively. For the three and six months ended June 30, 2022, the Company recorded \$18 and \$26, respectively. The income tax rates vary from the federal and state statutory rates due to the valuation allowances on the Company's net operating losses and foreign tax rate differences. The Company computes its quarterly income tax provision by using a forecasted annual effective tax rate and adjusts for any discrete items arising during the quarter. The Company does not provide for federal income taxes on the undistributed earnings of its foreign subsidiaries as such earnings are to be reinvested indefinitely outside the U.S.

16. COMMITMENTS AND CONTINGENCIES

Legal matters

The Company may be subject to legal proceedings and claims that arise in the ordinary course of business. Management is not currently aware of any matters that will have a material effect on the financial position, results of operations, or cash flows of the Company.

17. RELATED PARTIES

Since November 2016, the Company has employed a sibling of Mr. Dussan, the Company's Chief Technology Officer, who held the position of Director, Human Resources at June 30, 2023 and 2022. For the six months ended June 30, 2023 and 2022, Mr. Dussan's sibling received total cash compensation of \$77 and \$89, respectively. For the six months ended June 30, 2023 and 2022, Mr. Dussan's sibling was granted 60,000 and 22,500 RSUs, respectively. In addition, he participates in all other benefits that the Company generally offers to all of its employees.

18. SUBSEQUENT EVENTS

In July 2023, the Company entered into a letter of credit with Citibank as security for the payment of rent on its headquarters in Dublin, CA and deposited \$2,150 as funds contractually restricted against this letter of credit. On July 21, 2023, upon issuance of the letter of credit, the landlord refunded the security deposit of \$2,150.

As of August 1, 2023, all remaining outstanding principal and accrued interest on the 2022 Note has been fully paid.

Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations

This discussion contains forward-looking statements that are based on current expectations, estimates, assumptions, and projections about our industry, business, and future financial results. Our actual results and the timing of events may differ materially from those described in or implied by these forward-looking statements due to a number of factors, including those discussed below and those set forth under “Risk Factors” herein and other filings we make with the SEC from time to time. Unless the context otherwise requires, references in this Management’s Discussion and Analysis of Financial Condition and Results of Operations to “we,” “our,” “us,” and “AEye,” refer to the business and operations of AEye, Inc.

Overview

This overview provides a high-level discussion of our operating results and some of the trends that affect our business. We believe that an understanding of these trends is important to understanding our financial results for the three and six months ended June 30, 2023, as well as our future prospects. This summary is not intended to be exhaustive, nor is it intended to be a substitute for the detailed discussion and analysis provided elsewhere in this Quarterly Report, including our condensed consolidated financial statements and accompanying notes.

All dollar amounts expressed in this Management’s Discussion and Analysis of Financial Condition and Results of Operations are in thousands of dollars, except for per share amounts and unless otherwise specified.

Key Factors Affecting AEye's Operating Results

We believe that our future performance and success depends to a substantial extent on our ability to capitalize on the opportunities described herein, which in turn are subject to significant risks and challenges, including those discussed below, as well as the risk factors described in the section of this Quarterly Report on Form 10-Q entitled “Risk Factors.”

We are subject to those risks common in the technology industry and also those risks common to early stage companies including, but not limited to, the possibility of not being able to successfully develop or commercialize our products; secure additional capital in a timely manner in order to meet operating cash flow needs; maintain and establish relationships with Tier 1 automotive suppliers to facilitate "design wins" with potential end customers, which in our case are automotive OEMs; develop and protect our intellectual property; comply with existing and new or modified laws and regulations applicable to our business; maintain and enhance the value of our reputation and brand; hire, integrate, and retain talented people at all levels of our organization; and successfully develop new solutions to enhance the experience of, and deliver value to, our customers.

Market Trends and Uncertainties

We anticipate growing demand for our 4Sight™ Intelligent Sensing Platform across two major markets - Automotive and Industrial. In the near term, we anticipate concentrating on the Automotive market to more effectively leverage our business model, focusing on advanced driver-assistance systems, or ADAS, autonomous driving, and commercial trucking. In the Industrial market, we will continue to remain engaged with customers, but have narrowed our focus to select opportunities that are more of a fit from a product and revenue-generation standpoint in the mining, aerospace, defense, railway, and intelligent transportation systems, or ITS, segments. This provides us with multiple opportunities for sustained growth by enabling new applications and product features across these market segments. However, as our customers continue their R&D projects to commercialize solutions that rely on lidar technology, it is difficult to estimate the timing of ultimate end markets and customer adoption. In the Automotive market for example, which accounted for 71% and 64% of our revenue in the six months ended June 30, 2023 and 2022, respectively, our growth and financial performance will be heavily influenced by our ability to successfully integrate into OEM programs that require years of development, testing, and validation. Because of the size and complexity of these OEM programs, we see our existing Tier 1 partnerships as a significant competitive advantage over our competitors given the large scale, mass-production capabilities, and existing OEM customer relationships held by our Tier 1 partners. Our primary focus in the Automotive market is on ADAS for passenger and commercial vehicle autonomy, particularly highway autonomy applications. We believe that growth in that market is driven by both more stringent safety regulations and consumer demand for vehicles offering increased safety and advanced driver assist features. We will need to anticipate and adapt to any changes in the regulatory environment, as well as changes in consumer demand in order to take advantage of this opportunity.

Additionally, we are strategically managing our investments in certain international operations and partnerships that will position us to expand our business globally and meet growing demand in international markets. This is an important part of our core strategy and may expose us to additional factors such as foreign currency risk, additional operating costs, and other risks and challenges that may impact our ability to meet projected sales and margin targets.

Partnerships and Commercialization

Our technology is designed to be a key enabler in certain Automotive and Industrial market applications. Because our technology must be integrated into a broader solution by our customers, it is critical that we achieve design wins with these customers. The timing of these design wins varies based on the market and application. Achieving a design win with an OEM in the Automotive market may take considerably longer than a design win with customers in the Industrial market. We consider design wins to be critical to our future success, although the revenue generated by each design win and the time necessary to achieve such a win can vary significantly, making it difficult to predict our future financial performance.

We believe our revenue and profitability will also be dependent upon our success in licensing our technology to Tier 1 automotive suppliers - such as Continental, which represented 71% and 64% of our revenue in the six months ended June 30, 2023 and 2022, respectively - that intend to use our technology in volume production of lidar sensors for OEMs. Delays of autonomy programs by OEMs that we are currently or will be working with through our Tier 1 partners could result in us being unable to achieve our revenue and profitability targets in the time frame we anticipate. Our overall revenue and profitability will also be dependent upon our success in selling our lidar solutions to customers in the Industrial market.

Restructuring

In the first quarter of 2023, we began the implementation of a revised strategic plan which outlines the steps we are taking to focus on key products and critical customer engagements that we believe will generate the best long-term results for our stakeholders. As a part of the implementation of the revised strategic plan, we have realigned our resources which included reducing our workforce by approximately one-third, most of which was effective April 3, 2023. Our revised plan also includes other significant operating expense reductions.

Gross Margin Improvement

Our gross margins will depend on numerous factors, including, among others, the selling price of our products, pricing of our development contracts with customers, royalty rates on licenses we grant to our customers, unit volumes, product mix, component costs, personnel costs, contract manufacturing costs, overhead costs, and product features. In the future, we expect to generate attractive gross margins from licensing our lidar technology and software to our Tier 1 partners in the Automotive market. We also sell our own lidar solutions to customers in the Industrial market utilizing lower-cost components that are sourced, in part, from the Tier 2 automotive supply chain and assembled by our contract manufacturing partners. If our Tier 1 partners in the Automotive market do not achieve the volumes that we expect, then the cost of the components we use to address the Industrial market may not decrease to the extent we anticipate and our gross margins and our ability to achieve profitability in the future may be impacted.

To date, our revenue has been generated through development contracts with OEMs and Tier 1 suppliers, as well as unit sales of our products to Industrial customers. These development contracts primarily focus on customization of our proprietary 4Sight™ product capabilities to our customers' applications, typically involving software implementation to assist with sensor connection and control, customization of scan patterns, and enhancement of particular perception capabilities to meet specific customer needs. In general, development contracts that require more complex configurations have higher prices. We expect development contracts to remain a significant part of our business in the near-term, but represent a smaller share of our total revenue over time, as we increase our focus on technology licensing and product sales. We expect our gross margins from the sale of products to improve over time as we outsource volume production of our lidar sensors to contract manufacturers, which we anticipate will both increase unit volumes and reduce the cost per unit.

Investment and Innovation

Our proprietary adaptive, intelligent lidar technology delivers industry-leading performance that helps to solve the most difficult challenges in delivering partial or full autonomy. While traditional sensing systems passively

collect data, our active 4Sight™ Intelligent Sensing Platform leverages principles from automated targeting systems and biomimicry to scan the environment, while intelligently focusing on what matters most in order to enable safer, smarter, and faster decisions in complex scenarios.

We believe our financial performance is significantly dependent on our ability to maintain a technology leadership position. This is further dependent on the investments we make in R&D. It is essential that we continually identify and respond to rapidly evolving customer requirements, develop and introduce innovative new products, enhance and service existing products, and generate strong market demand for our products. If we fail to do this, our market position and revenue may be adversely affected, and our investments in that area will not be recovered.

Basis of Presentation

We currently conduct our business through one operating segment.

Components of Results of Operations

Total Revenues

We categorize our revenue as (1) prototype sales and (2) development contracts. In 2023 and 2022, our prototype sales revenue primarily related to unit sales of the company's 4Sight™ product. Revenue from prototype sales is typically recognized at a point in time when the control of goods is transferred to the customer, generally upon delivery or shipment to the customer.

Development contracts represented the majority of our total revenues in 2022 and the first two quarters of 2023. Revenue from development and/or collaboration arrangement contracts are earned from R&D activities and collaboration with OEMs and Tier 1 suppliers. These contracts primarily focus on customization of our proprietary 4Sight™ product capabilities to our customers' applications, typically involving software implementation to assist with sensor connection and control, customization of scan patterns, and enhancement of perception capabilities to meet specific customer needs. Revenue from development contracts is recognized when we satisfy performance obligations in the contract, which can result in recognition at either a point in time or over time. This assessment is made at the outset of the arrangement for each performance obligation.

Cost of Revenue

Cost of revenue includes the costs directly associated with the production of prototypes and certain costs associated with development contracts. Such costs for prototypes include direct materials, direct labor, indirect labor, inventory write-downs, warranty expense, and allocation of overhead. Costs associated with development contracts include the direct costs and allocation of overhead costs involved in the execution of the contracts.

Operating Expenses

Research and Development

Our research and development, or R&D, efforts are focused primarily on hardware, software, and system engineering related to the design and development of our advanced lidar solutions. R&D expenses include:

- personnel-related expenses, including salaries, benefits, bonuses, severance, and stock-based compensation expense;
- third-party engineering and contractor costs;
- lab equipment;
- engineering parts and test units;
- new hardware and software expenses; and
- allocated overhead expenses.

R&D costs are expensed as they are incurred. We expect our investment in R&D to be reduced this fiscal year as a result of our revised strategic plan, with a reduced workforce and consolidated global footprint. We also plan to execute more focused spending with vendors in critical areas that support our strategy and product development, in line with our revised strategic plan and manage costs more efficiently.

Sales and Marketing

Our sales and marketing, or S&M, efforts are focused primarily on sales, business development, and marketing programs in pursuit of revenue contracts from potential and existing customers. S&M expenses include:

- personnel-related expenses, including salaries, benefits, bonuses, severance, and stock-based compensation expense;
- demonstration equipment;
- trade shows expenses, advertising, and promotions expenses for press releases and other public relations services; and
- allocated overhead expenses.

We expect our S&M expenses to be reduced this fiscal year as a result of our revised strategic plan, with a reduced workforce and consolidated global footprint. We also plan to focus our sales and marketing efforts on key products and critical customer engagements to support our revised strategic plan and manage costs more efficiently.

General and Administrative

Our general and administrative, or G&A, spending supports all business functions. G&A expenses include:

- personnel-related costs, including salaries, benefits, bonuses, severance, and stock-based compensation expense for executive, finance, legal, human resources, technical support, and other administrative personnel;
- consulting, accounting, audit, legal, and other professional fees;
- insurance premiums, software and computer equipment costs, general office expenses; and
- allocated overhead expenses.

We expect our G&A expenses to be reduced this fiscal year as a result of our revised strategic plan with a reduced workforce and consolidated global footprint. We also plan to manage spending with vendors more effectively to support our revised strategic plan to manage costs.

Change in Fair Value of Convertible Note and Warrant Liabilities

Changes in fair value of the 2022 Note and warrant liabilities are the result of the change in fair value at each reporting date. The 2022 Note and warrant liabilities are recorded at fair value for each reporting period, and the changes in fair value are reported within other income (expense), net during the period. We have also elected to record interest expense on the 2022 Note as changes in fair value.

Interest Income, Interest Expense and Other

Interest income and other consists primarily of interest earned on our cash, cash equivalents, and marketable securities. These amounts will vary based on our cash and cash equivalents balances and market rates. Interest income and other also includes the net gain on sale of property and equipment. Interest expense and other consists primarily of convertible note issuance costs, amortization of premiums (accretion of discounts) on marketable securities, net, and impairment of right-of-use assets.

Results of Operations

Comparison of the Three Months Ended June 30, 2023 and 2022

The results of operations presented below should be reviewed in conjunction with the condensed consolidated financial statements and notes included elsewhere in this report. The following table sets forth our consolidated results of operations data for the three months ended June 30, 2023 and 2022 (in thousands, except for percentages):

	Three Months Ended June 30,		Change	Change
	2023	2022	\$	%
Prototype sales	\$ 245	\$ 195	\$ 50	26 %
Development contracts	326	511	(185)	(36)%
Total revenue	571	706	(135)	(19)%
Cost of revenue	1,911	1,427	484	34 %
Gross loss	(1,340)	(721)	(619)	86 %
Research and development	5,897	10,762	(4,865)	(45)%
Sales and marketing	2,604	5,323	(2,719)	(51)%
General and administrative	6,345	9,827	(3,482)	(35)%
Total operating expenses	14,846	25,912	(11,066)	(43)%
Loss from operations	(16,186)	(26,633)	10,447	(39)%
Change in fair value of convertible note and warrant liabilities	(116)	141	(257)	(182)%
Interest income and other	301	350	(49)	(14)%
Interest expense and other	(11)	(307)	296	(96)%
Total other income (expense), net	174	184	(10)	(5)%
Provision for income tax expense	19	18	1	6 %
Net loss	\$ (16,031)	\$ (26,467)	\$ 10,436	(39)%

Revenue

Prototype Sales

Prototype sales revenue increased by \$50, or 26%, to \$245 for the three months ended June 30, 2023, from \$195 for the three months ended June 30, 2022. This was primarily due to an increase in units sold of our 4Sight™-based Industrial product.

Development Contracts

Development contracts revenue decreased by \$185, or 36%, to \$326 for the three months ended June 30, 2023, from \$511 for the three months ended June 30, 2022. The decrease was primarily due to less revenue recognized in the current year from a Tier 1 automotive supplier contract as the design validation phase nears completion.

Cost of Revenue

Cost of revenue increased by \$484, or 34%, to \$1,911 for the three months ended June 30, 2023, from \$1,427 for the three months ended June 30, 2022. This increase was primarily due to a higher cost of revenue associated with a Tier 1 automotive supplier in the current period to complete the remaining obligations under the contract and higher 4Sight™-based Industrial units sold.

Operating Expenses

Research and Development

Research and development expenses decreased by \$4,865, or 45%, to \$5,897 for the three months ended June 30, 2023, from \$10,762 for the three months ended June 30, 2022. This decrease was primarily driven by decreases in personnel costs of \$2,079, third party research and development costs of \$1,399, stock-based compensation expense of \$515, engineering parts and lab equipment expense of \$409, and information technology and travel and entertainment expense of \$303.

Sales and Marketing

Total sales and marketing expenses decreased by \$2,719, or 51%, to \$2,604 for the three months ended June 30, 2023, from \$5,323 for the three months ended June 30, 2022. This decrease was primarily driven by decreases to personnel costs of \$979, stock based compensation of \$657, marketing spend of \$592, and information technology and facilities expense of \$130.

General and Administrative

Total general and administrative expenses decreased by \$3,482, or 35%, to \$6,345 for the three months ended June 30, 2023, from \$9,827 for the three months ended June 30, 2022. This decrease was primarily due to decreases in stock-based compensation expense of \$1,265, professional accounting and legal fees of \$667, personnel costs of \$607, directors' and officers' insurance of \$443, travel and entertainment expense of \$229, and investor and stock related expenses of \$193.

Change in Fair Value of Convertible Note and Warrant Liabilities

Change in fair value of convertible note and warrant liabilities increased by \$257, or 182%, to a loss of \$116 for the three months ended June 30, 2023, from a gain of \$141 for the three months ended June 30, 2022. This decrease was primarily due to an increase in fair value of the 2022 Note in the current period.

Interest Income and Other

Interest income and other decreased by \$49, or 14%, to \$301 for the three months ended June 30, 2023, from \$350 for the three months ended June 30, 2022. This decrease was primarily due to less interest earned on our marketable securities in the current period.

Interest Expense and Other

Interest expense and other decreased by \$296, or 96%, to a loss of \$11 for the three months ended June 30, 2023, from a loss of \$307 for the three months ended June 30, 2022. This decrease was primarily due to a favorable increase in accretion of discounts on marketable securities, resulting in a net decrease within Amortization of premiums (accretion of discounts) on marketable securities, net, of \$313.

Provision for Income Tax Expense

Provision for income tax expenses increased to \$19 for the three months ended June 30, 2023, from \$18 for the three months ended June 30, 2022 resulting in a flat period over period variance.

Net Loss

Net loss decreased by \$10,436, or 39%, to \$16,031 for the three months ended June 30, 2023, from \$26,467 for the three months ended June 30, 2022. This decrease was primarily due to decreases in operating expenses following restructuring and cost reduction efforts as announced in the first quarter of 2023.

Comparison of the six months ended June 30, 2023 and 2022

The results of operations presented below should be reviewed in conjunction with the condensed consolidated financial statements and notes included elsewhere in this report. The following table sets forth our consolidated results of operations data for the six months ended June 30, 2023 and 2022 (in thousands, except for percentages):

	Six Months Ended June 30,		Change	Change
	2023	2022	\$	%
Prototype sales	\$ 370	\$ 530	\$ (160)	(30)%
Development contracts	837	1,258	(421)	(33)%
Total revenue	1,207	1,788	(581)	(32)%
Cost of revenue	4,172	2,909	1,263	43 %
Gross loss	(2,965)	(1,121)	(1,844)	164 %
Research and development	15,339	19,338	(3,999)	(21)%
Sales and marketing	8,872	9,939	(1,067)	(11)%
General and administrative	14,899	21,157	(6,258)	(30)%
Total operating expenses	39,110	50,434	(11,324)	(22)%
Loss from operations	(42,075)	(51,555)	9,480	(18)%
Change in fair value of convertible note and warrant liabilities	(926)	109	(1,035)	(950)%
Interest income and other	578	774	(196)	(25)%
Interest expense and other	165	(650)	815	(125)%
Total other income (expense), net	(183)	233	(416)	(179)%
Provision for income tax expense	38	26	12	46 %
Net loss	\$ (42,296)	\$ (51,348)	\$ 9,052	(18)%

Revenue

Prototype Sales

Prototype sales revenue decreased by \$160, or 30%, to \$370 for the six months ended June 30, 2023, from \$530 for the six months ended June 30, 2022. This decrease was primarily due fewer units shipped in the period compared to the prior period.

Development Contracts

Development contracts revenue decreased by \$421, or 33%, to \$837 for the six months ended June 30, 2023, from \$1,258 for the six months ended June 30, 2022. The decrease was primarily due to less revenue recognized in the current period from a Tier 1 automotive supplier contract as the design validation phase nears completion.

Cost of Revenue

Cost of revenue increased by \$1,263, or 43%, to \$4,172 for the six months ended June 30, 2023, from \$2,909 for the six months ended June 30, 2022. This increase was primarily due to a higher cost of revenue associated with a Tier 1 automotive supplier in the current period to complete the remaining obligations under the contract as well as increased inventory reserve expense.

Operating Expenses

Research and Development

Research and development expenses decreased by \$3,999, or 21%, to \$15,339 for the six months ended June 30, 2023, from \$19,338 for the six months ended June 30, 2022. This decrease was primarily driven by decreases in third party research and development work of \$2,221, personnel costs of \$1,522, information technology and travel and entertainment expense of \$344, and engineering parts and and lab equipment expense of \$304. These decreases were partially offset by an increase in stock-based compensation of \$540.

Sales and Marketing

Total sales and marketing expenses decreased by \$1,067, or 11%, to \$8,872 for the six months ended June 30, 2023, from \$9,939 for the six months ended June 30, 2022. This decrease was primarily driven by decreases to personnel costs of \$742, marketing content and promotions of \$526, travel and entertainment expense of \$206, and stock-based compensation of \$196. These decreases were partially offset by a \$837 increase in third party conferences and trade shows.

General and Administrative

Total general and administrative expenses decreased by \$6,258, or 30%, to \$14,899 for the six months ended June 30, 2023, from \$21,157 for the six months ended June 30, 2022. This decrease was primarily due to decreases in professional accounting and legal fees of \$1,765, stock-based compensation expense of \$1,670, personnel costs of \$1,186, insurance, tax, and license expense of \$1,103, and travel, entertainment, and stock related expense of \$449.

Change in Fair Value of Convertible Note and Warrant Liabilities

Change in fair value of convertible note and warrant liabilities increased by \$1,035, or 950%, to a loss of \$926 for the six months ended June 30, 2023, from a gain of \$109 for the six months ended June 30, 2022. This decrease was primarily due to an increase in fair value of the 2022 Note in the current period.

Interest Income and Other

Interest income and other decreased by \$196, or 25%, to \$578 for the six months ended June 30, 2023, from \$774 for the six months ended June 30, 2022. This decrease was primarily due to less interest earned on our marketable securities in the current period.

Interest Expense and Other

Interest expense and other decreased by \$815, or 125%, to a gain of \$165 for the six months ended June 30, 2023, from a loss of \$650 for the six months ended June 30, 2022. This decrease was primarily due to a favorable increase in accretion of discounts on marketable securities, resulting in a net decrease within Amortization of premiums (accretion of discounts) on marketable securities, net, of \$837.

Provision for Income Tax Expense

Provision for income tax expenses increased to \$38 for the six months ended June 30, 2023, from \$26 for the six months ended June 30, 2022. This increase is due to changes in pretax income (loss) in the U.S. and certain foreign entities and changes in tax rates.

Net Loss

Net loss decreased by \$9,052, or 18%, to \$42,296 for the six months ended June 30, 2023, from \$51,348 for the six months ended June 30, 2022. This decrease was primarily due to decreases in operating expenses following restructuring and cost reduction efforts as announced in the first quarter of 2023.

Liquidity and Capital Resources

Sources of Liquidity

Our capital requirements will depend on many factors, including, but not exclusively, sales volume and timing of revenue, the timing of an OEM design win, our ability to extend our cash runway based on the restructuring initiatives announced in the first quarter of 2023, the timing and extent of spending to support R&D efforts, and market adoption of new and enhanced products and features. As of June 30, 2023, our cash, cash equivalents, and marketable securities totaled \$58.7 million.

To date, our principal sources of liquidity have been proceeds received from the issuance of equity. In December 2021, we entered into a Common Stock Purchase Agreement, or CSPA, with Tumim Stone Capital LLC, or Tumim Stone, pursuant to which we have the right, but not the obligation, to issue and sell to Tumim Stone, over a 36-month period, up to \$125,000 of the Company's common stock. On May 6, 2022, the Company filed a Registration Statement on Form S-1, which related to the offer and resale of up to 30,865,419 shares of our common stock to be purchased by Tumim Stone, pursuant to the CSPA. As of June 30, 2023, 1,145,000 shares were issued under this CSPA. In September 2022, we entered into a Securities Purchase Agreement ("SPA") with an investor allowing for the sale and issuance of two convertible notes, each with cash proceeds of \$9,850, for a total of \$20,000 in proceeds between the two issuances (each, a "Note Closing"). On September 15, 2022, we closed the first Note Closing with the investor and received cash proceeds of \$9,850 (net of fees paid to the investor). The second Note Closing may occur, at our option, after the ninetieth (90th) calendar day after the first Note Closing and provided that we meet certain equity conditions. Until we can generate sufficient revenue from the sale of our products to cover operating expenses, working capital, and capital expenditures, we expect the funds raised in the business combination with CF Finance Acquisition Corp. III and PIPE financing, as well as any future funds from the CSPA and SPA, and other potential sources of capital, to fund our near-term cash needs.

If we are required to raise additional funds by issuing equity securities, dilution of stockholders will result. Any debt securities issued may also have rights, preferences, and privileges senior to those of holders of our common stock. The terms of debt securities or borrowings could impose significant restrictions on our operations. We may also be unable to raise additional capital through the sale of securities and debt financing, or to do so on terms that are favorable to us, particularly given current capital market and overall macroeconomic conditions.

For the six months ended June 30, 2023 and 2022, we had a net loss of \$42,296 and \$51,348, respectively. We anticipate that we will continue to incur losses for at least the next several years. Despite the recent restructuring initiatives, we expect that our research and development, selling and marketing, and general and administrative expenses will continue to exceed our operating income and, as a result, we may need additional capital resources to fund our operations. We believe that the net proceeds from the business combination with CF Finance Acquisition Corp. III, PIPE financing, CSPA, and SPA, together with our existing cash, cash equivalents, and marketable securities, will enable us to fund our operating expenses, working capital, and capital expenditure requirements for a period of at least twelve months from August 9, 2023. If our cash needs are greater than we anticipate, we may be required to reduce our operating expenses even further or raise additional capital sooner. Reducing our operating expenses could be very challenging for us, since we have already undertaken significant operating expense reductions; further reductions could adversely impact our business operations. Our plans for the use of cash in the long-term (beyond the twelve months indicated above) are similarly related to funding operating expenses and capital expenditure requirements as we continue to scale the business. For additional information regarding our cash requirements from lease obligations, convertible note obligations, and contractual obligations, see Notes 6, 8, and 16 to the Condensed Consolidated Financial Statements in Item 1 of Part I of this Quarterly Report on Form 10-Q.

On March 10, 2023, Silicon Valley Bank, or SVB, was closed by the California Department of Financial Protection and Innovation, and the Federal Deposit Insurance Corporation, or FDIC, was appointed as receiver. On March 27, 2023, First Citizens Bank entered into a whole bank purchase of SVB. We had and continue to have deposit accounts at SVB. The standard deposit insurance amount is up to \$250 thousand per depositor, per insured bank, for each account ownership category. We do not maintain any other material accounts or lines of credit with SVB. Although we continue to maintain an operating account at SVB, we subsequently established operating accounts at other financial institutions to mitigate the risks associated with any one financial institution's potential risk of insolvency or receivership.

Cash Flow Summary

	Six months ended June 30,			
	2023		2022	
	(in thousands)			
Net cash provided by (used in):				
Operating activities	\$	(32,445)	\$	(33,112)
Investing activities	\$	35,138	\$	24,475
Financing activities	\$	(5,515)	\$	(1,310)

Operating Activities

For the six months ended June 30, 2023, net cash used in operating activities was \$32,445. Factors affecting our operating cash flows during this period were a net loss of \$42,296, offset by stock-based compensation of \$10,623, change in fair value of convertible note and warrant liabilities of \$926, noncash lease expense of \$706, depreciation and amortization of \$666, and inventory write-downs of \$544. Within operating activities, the net change in operating assets and liabilities was cash used of \$3,544, primarily driven by decreases in contract liabilities, accrued expenses and other liabilities, and operating lease liabilities of \$837, \$785, and \$749, respectively, and increases in inventories and other noncurrent assets of \$2,502 and \$2,164, respectively. Cash used was partially offset by cash provided by decreases in prepaid and other current assets and accounts receivable of \$2,884 and \$327, respectively, and an increase in accounts payable of \$282.

For the six months ended June 30, 2022, net cash used in operating activities was \$33,112. Factors affecting our operating cash flows during this period were a net loss of \$51,348, offset by stock-based compensation of \$11,897, depreciation and amortization of \$463, inventory write-downs of \$335, and amortization of premiums (accretion of discounts) on marketable securities, net of changes in accrued interest, of \$826. Within operating activities, the net changes in operating assets and liabilities were cash provided of \$4,170, primarily driven by decreases in prepaids and other current assets of \$900 and accounts receivable of \$4,033, and increases in accrued expenses and other current liabilities of \$1,354 and accounts payable of \$932, offset by an increase in inventories of \$1,316 and a decrease in contract liabilities of \$1,285.

Investing Activities

For the six months ended June 30, 2023, net cash provided by investing activities was \$35,138. The primary factor affecting net cash provided by investing activities during this period were the proceeds from redemptions and maturities of marketable securities of \$35,850, partially offset by purchases of property and equipment of \$808.

For the six months ended June 30, 2022, net cash provided by investing activities was \$24,475. The primary factor affecting net cash provided by investing activities during this period was the proceeds from redemption and maturities of marketable securities of \$26,234.

Financing Activities

For the six months ended June 30, 2023, net cash used in financing activities was \$5,515. The primary factors affecting our financing cash flows during this period were payments for convertible note redemptions of \$4,973 and payments for taxes related to net settlement of equity awards of \$1,051, partially offset by proceeds from the exercise of stock options of \$391.

For the six months ended June 30, 2022, net cash used in financing activities was \$1,310. The primary factors affecting our financing cash flows during this period were payments for taxes related to the net settlement of equity awards of \$3,400, partially offset by proceeds from the exercise of stock options of \$668 and proceeds from the exercise of the CSPA of \$1,422.

Critical Accounting Policies and Estimates

Our condensed consolidated financial statements are in accordance with U.S. GAAP. We are required to make estimates and assumptions that affect the reported amounts of assets and liabilities as of the date of the condensed consolidated financial statements, the reported amounts of revenues and expenses during the reporting

periods, fair value measures, and the related disclosures in the condensed consolidated financial statements. Our actual results could differ significantly from these estimates due to changes in judgments, assumptions, and conditions as a result of unforeseen events or otherwise, which could have a material impact on our financial position and results of operations. We believe our critical accounting policies involve the greatest degree of judgment and complexity and have the greatest potential impact on our condensed consolidated financial statements.

During the six months ended June 30, 2023, there were no significant changes in our critical accounting policies and estimates as compared to those previously disclosed in "Critical Accounting Policies and Estimates" in "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in our 2022 Annual Report on Form 10-K.

Emerging Growth Company Status

Section 102(b)(1) of the Jumpstart Our Business Startups Act of 2012, or the JOBS Act, exempts emerging growth companies from being required to comply with new or revised financial accounting standards until private companies are required to comply with the new or revised financial accounting standards. The JOBS Act provides that a company can choose not to take advantage of the extended transition period and comply with the requirements that apply to non-emerging growth companies, and any such election to not take advantage of the extended transition period is irrevocable.

We are an "emerging growth company" as defined in Section 2(a) of the Securities Act, and we have elected to take advantage of the benefits of the extended transition period for new or revised financial accounting standards. We will remain an emerging growth company until the earliest of (i) the last day of the fiscal year in which the market value of common stock that is held by non-affiliates exceeds \$700 million as of the end of that year's second fiscal quarter, (ii) the last day of the fiscal year in which the Company has total annual gross revenue of \$1.07 billion or more during such fiscal year (as indexed for inflation), (iii) the date on which the Company has issued more than \$1.0 billion in non-convertible debt in the prior three-year period, or (iv) December 31, 2025. We expect to continue to take advantage of the benefits of the extended transition period, although we may decide to adopt such new or revised accounting standards early to the extent permitted by such standards. This may make it difficult or impossible to compare our financial results with the financial results of another public company that is either not an emerging growth company or is an emerging growth company that has chosen not to take advantage of the extended transition period exemptions because of the potential differences in accounting standards used.

Recent Accounting Pronouncements

See Note 1 to our financial statements included elsewhere in this Quarterly Report on Form 10-Q for recently adopted accounting pronouncements as of the date of this Quarterly Report on Form 10-Q.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

Quantitative and Qualitative Disclosures About Market Risk

We are exposed to market risks in the ordinary course of our business. Market risk represents the risk of loss that may impact our financial position due to adverse changes in financial market prices and rates.

We do not believe that inflation has had a material effect on our business, results of operations, or financial condition. Nonetheless, if our costs were to become subject to significant inflationary pressures, we may not be able to fully offset such higher costs. Our inability or failure to do so could harm our business, results of operations, or financial condition.

Interest Rate Risk

As of June 30, 2023, we had cash, cash equivalents, and marketable securities of \$58.7 million, which consisted primarily of deposits in our bank accounts, money market funds, and marketable securities. Such interest-earning instruments carry a degree of interest rate risk. Our 2022 Note bears a fixed interest rate, and therefore is not subject to interest rate risk. Our investment policy is focused on the preservation of capital and supporting our liquidity needs. We invest in highly rated securities, while limiting the amount of credit exposure to any one issuer, other than the U.S. government. A hypothetical 10% change in interest rates would not have a material impact on our financial condition or results of operations due to the short-term nature of our cash, cash equivalents, and

marketable securities.

Credit Risk

Our concentration of credit risk is determined by evaluating each customer that accounts for more than 10% of our accounts receivable. As of June 30, 2023, there were four customers each accounting for 10% or more of our accounts receivable.

We perform credit evaluations as needed and generally do not require collateral from our customers. We analyze accounts receivable, historical percentages of uncollectible accounts, and changes in payment history when evaluating the expected credit losses on customers' accounts. At June 30, 2023 and 2022, we did not have write-offs and did not record an allowance for credit losses on the condensed consolidated balance sheets.

Foreign Currency Exchange Risk

Our foreign currency exchange gains and losses have been generated primarily from fluctuations in the euro versus the U.S. dollar, South Korean won versus the U.S. dollar, and the Japanese yen versus the U.S. dollar. The functional currency of all our entities is the U.S. dollar. Monetary assets and liabilities and transactions denominated in currencies other than an entity's functional currency are remeasured into its functional currency using current exchange rates, whereas non-monetary assets and liabilities are remeasured using historical exchange rates. We recognize gains and losses from such remeasurements within interest income and other, or interest expense and other, as applicable on the condensed consolidated statements of operations and comprehensive loss in the period of occurrence. We have in the past experienced, and in the future expect to experience, foreign currency exchange gains and losses on our non-functional currency-denominated balances. Foreign currency exchange gains and losses could have a material adverse effect on our business, operating results, and financial condition. To date, we have not engaged in exchange rate hedging activities, and we do not expect to do so in the foreseeable future.

Item 4. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

We have established disclosure controls and procedures that are designed to ensure that the information required to be disclosed by us in the reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in SEC rules and that such information is accumulated and communicated to management, including our principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure.

Under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we have evaluated the effectiveness of our disclosure controls and procedures as required under Rules 13a-15(e) and 15d-15(e) under the Exchange Act as of the end of the period ended June 30, 2023. Based on this review, our principal executive officer and principal financial officer have concluded that these disclosure controls and procedures were effective at the reasonable assurance level as of June 30, 2023.

Management's Report on Internal Controls Over Financial Reporting

As discussed in our 2022 Annual Report on Form 10-K, we concluded that our internal control over financial reporting was effective as of December 31, 2022.

Changes in Internal Control Over Financial Reporting

There were no changes in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) that occurred during the quarterly period ended June 30, 2023 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Inherent Limitations on Effectiveness of Controls

Our management, including our principal executive officer and principal financial officer, has determined that our internal controls are reasonably designed and implemented to assure reliable financial reporting and preparation of our financial statements. However, because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that misstatements due to error or fraud will not occur or that all control issues and instances of fraud, if any, have been detected. The design of any system of controls is based in part on certain assumptions about the likelihood of future events and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions. Projections of any evaluation of the effectiveness of controls to future periods are subject to risks. Over time, controls may become inadequate because of changes in conditions or deterioration in the degree of compliance with policies or procedures.

PART II

Item 1. Legal Proceedings

From time to time, we may become involved in actions, claims, suits, and other legal proceedings arising in the ordinary course of our business, including assertions by third parties relating to intellectual property infringement, breaches of contract or warranties, or employment-related matters. We are not currently a party to any actions, claims, suits or other legal proceedings the outcome of which, if determined adversely to us, would individually or in the aggregate have a material effect on our business, financial condition, and results of operations.

Item 1A. Risk Factors

In conducting our business, we may face risks and uncertainties that may interfere with our business objectives. You should carefully consider the following risk factors, as well as all of the other information contained in this Quarterly Report, including “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and our condensed consolidated financial statements and related notes thereto included elsewhere in this Quarterly Report. The risks and uncertainties below are not the only ones that we face. Additional risks and uncertainties that we are unaware of, or that we currently believe are not material, may also become important factors that adversely affect our business. The occurrence of any of the following risks, or others specified below, could materially and adversely affect our business, strategies, prospects, financial condition, results of operations, and cash flows. In such case, the market price of our common stock could decline, and you could lose all or part of your investment.

Summary of Risk Factors

As noted above, our business is subject to numerous risks and uncertainties, including those highlighted in this “Risk Factors” section, that represent challenges that we face in connection with the successful implementation of our strategy and growth of our business. The occurrence of one or more of the events or circumstances described in the section titled “Risk Factors,” alone or in combination with other events or circumstances, may have an adverse effect on our business, financial condition, results of operations, and prospects. Such risks include, but are not limited to:

- We are an early stage company with a history of losses and we expect to incur significant expenses and continuing losses for at least the next several years.
- Our limited operating history makes it difficult to evaluate our future prospects and the risks and challenges we may encounter.
- We continue to implement strategic initiatives designed to grow our business. These initiatives may prove more costly than we currently anticipate and we may not succeed in increasing our revenue in an amount sufficient to offset the costs of these initiatives and to achieve and maintain profitability.
- If our deterministic artificial intelligence-driven sensing system is not selected for inclusion in advanced driver-assistance systems, or ADAS, by any automotive OEMs or their suppliers, our business will be materially and adversely affected.
- Our business could be materially and adversely affected by the lingering and continuing impacts of the global COVID-19 pandemic, other epidemics or outbreaks, as well as other global events and macroeconomic factors, such as the war in Ukraine.
- Our products require key components and critical raw materials and our inability to reduce and control the cost of such components and raw materials could negatively impact the adoption of our products and accordingly, our financial condition and operating results.
- We expect to incur substantial R&D costs and devote significant resources to identifying and commercializing new products, which could significantly reduce our profitability and may never result in revenue to us.

- Although we believe that lidar is an essential technology for autonomous vehicles and other emerging applications, market adoption of lidar is uncertain. If market adoption of lidar does not continue to develop, or adoption is deferred, or otherwise develops more slowly than we expect, our business will be adversely affected.
- We rely on third-party suppliers and because some of the raw materials and key components in our products come from limited or single source suppliers, we are susceptible to supply shortages, longer than anticipated lead times for components, and supply changes, any of which could disrupt our supply chain and could delay deliveries of our products to customers.
- The complexity of our products could result in unforeseen delays or expenses from undetected defects, errors, or reliability issues in our hardware or software which could reduce the market adoption of our products, damage our reputation with current or prospective customers, and expose us to product liability and other claims, thereby adversely affecting our operating costs.
- The average selling prices of our products or our fees or royalties from technology licenses could decrease rapidly over the life of the product or license term, which may negatively affect our revenue and gross margin.
- We are substantially relying on our relationship with Continental AG; our business could be materially and adversely affected if our relationship with Continental was terminated, or if we, through our relationship with Continental, are unable to obtain a sufficient number of design wins and successfully enter into definitive agreements or other commercial arrangements with automotive OEMs with respect to such design wins.

Risk Factors Relating to Our Business and Industry

We are an early stage company with a history of losses and we expect to incur significant expenses and continuing losses for at least the next several years.

We have incurred net losses in each year since our inception. In the six months ended June 30, 2023 and 2022, we incurred net losses of approximately \$42.3 million and \$51.3 million, respectively. We expect that we will continue to incur significant losses through at least the next several years as we:

- continue to utilize our third-party partners for design, testing, and commercialization;
- expand our operations and supply chain capabilities to produce our lidar solutions, including costs associated with outsourcing the production of our lidar solutions, which, in some instances, requires significant upfront payments by us;
- expand our design, development, and servicing capabilities;
- build up inventories of parts and components for our lidar solutions;
- produce an inventory of our lidar solutions, which could potentially have significant negative impacts to revenues and margins on existing products as we introduce new products;
- increase our sales and marketing activities and develop our distribution infrastructure; and
- increase our general and administrative spending to meet the requirements of operating as a public company.

As of June 30, 2023, we had an accumulated deficit of approximately \$292.8 million. Even if we are able to increase sales or licensing of our products, there can be no assurance that we will be commercially successful. Since we will incur the costs and expenses from these efforts prior to receiving incremental revenues with respect thereto, our losses in future periods will be significant. In the past, design wins, the first step towards commercialization with a particular OEM, have taken longer than originally expected. Such delays, including delays that may occur in the future, will impact the timing of our revenue. If our products do not achieve sufficient market acceptance, we will not become profitable. If we fail to become profitable, or if we are unable to fund our continuing losses, we may be unable to continue our business operations. There can be no assurance that we will ever achieve or sustain profitability.

Our limited operating history makes it difficult to evaluate our future prospects and the risks and challenges we may encounter.

We have been focused on developing our deterministic artificial intelligence-driven sensing system for vehicle autonomy, ADAS, and industrial applications since 2013. This relatively limited operating history makes it difficult to evaluate our future prospects and the risks and challenges we may encounter, which include our ability to:

- develop and commercialize our products;
- produce and deliver lidar and software products meeting acceptable performance metrics;
- forecast our revenue and budget for and manage our expenses;
- attract new customers and retain existing customers;
- develop, obtain, or progress strategic partnerships;
- comply with existing and new or modified laws and regulations applicable to our business;
- plan for and manage capital expenditures for our current and future products, and manage our supply chain and supplier relationships related to our current and future products;
- anticipate and respond to macroeconomic changes as well as changes in the markets in which we operate;
- maintain and enhance the value of our reputation and brand;
- effectively manage our growth and business operations, including the lingering impacts of the COVID-19 pandemic on our business as well as other macroeconomic factors, such as the war in Ukraine;
- develop and protect our intellectual property;
- hire, integrate, and retain talented people at all levels of our organization; and
- successfully develop new solutions to enhance the experience of customers.

If we fail to address the risks and difficulties that we face, including those associated with the challenges listed above as well as those described elsewhere in this “*Risk Factors*” section, our business, financial condition, and results of operations could be adversely affected. Further, because we have limited historical financial data and operate in a rapidly evolving market, any predictions about our future revenue and expenses may not be as accurate as those predictions would be if we had a longer operating history or operated in a more predictable market. We have encountered in the past, and will continue to encounter in the future, risks and uncertainties frequently experienced by growing companies with limited operating histories in rapidly changing industries. If our assumptions regarding these risks and uncertainties, which we use to plan and operate our business, are incorrect or change, or if we do not address these risks successfully, our results of operations could differ materially from our expectations and our business, financial condition, and results of operations could be adversely affected.

We continue to implement strategic initiatives designed to grow our business. These initiatives may prove more costly than we currently anticipate and we may not succeed in increasing our revenue in an amount sufficient to offset the costs of these initiatives or to achieve and maintain profitability.

We continue to make investments and implement initiatives designed to grow our business, including:

- investing in R&D;
- expanding our sales and marketing efforts to attract new customers and strategic partners;
- investing in new applications and markets for our products;
- further enhancing our manufacturing processes and partnerships;
- protecting our intellectual property; and
- investing in legal, accounting, and other administrative functions necessary to support our operations as a public company.

These initiatives may prove more expensive than we currently anticipate, and we may not succeed in increasing our revenue, if at all, in an amount sufficient to offset these higher expenses or to achieve and maintain profitability. The market opportunities we are pursuing are at an early stage of development, and it may be many years before the end markets we expect to serve generate demand for our products at scale, if at all. Our revenue may be adversely affected for a number of reasons, including the development and/or market acceptance of new technology that competes with our products, if automotive original equipment manufacturers, or automotive OEMs, Tier 1 automotive suppliers, or other market participants change their view towards autonomous vehicles or ADAS technologies or strategies, the failure of our customers to commercialize autonomous systems that include our solutions, our inability to effectively manage or outsource the management of our inventory, manufacturing, or contract manufacturing of products at scale, our inability to enter new markets or to help our customers adapt our products for new applications, or our failure to attract new customers or secure production orders from existing customers currently analyzing our solutions, or increasing competition. Furthermore, it is difficult to predict the size and growth rate of our target markets, customer demand for our products, commercialization timelines, developments in autonomous sensing, developments in ADAS and related technologies, the entry of competitive products, or the success of existing competitive products and services. For these reasons, we do not expect to achieve profitability over the near term. If our revenue does not grow over the long term, our ability to achieve and maintain profitability may be adversely affected, and the value of our business may significantly decrease.

We intend to raise additional capital in order to execute our business plan and to respond to changing market conditions, which additional capital may not be available on terms acceptable to us, or at all.

We intend to raise additional capital, either by issuing equity, debt, or a combination of the two, in order to respond to market timing delays, technological advancements, competition, competitive technologies, customer demands, business opportunities, other challenges, potential acquisitions, unforeseen circumstances, or other reasons. In order to further business relationships with current or potential customers or partners, we may issue equity or equity-linked securities to such customers or partners. Despite the need for additional capital, we may not be able to timely secure additional debt or equity financing on favorable terms, or at all. If we raise additional capital through the issuance of equity or convertible debt or other equity-linked securities, or if we issue equity or equity-linked securities to current or potential customers to further our business relationships, our existing stockholders would likely experience dilution, which may be significant. Any debt financing obtained by us in the future could involve restrictive covenants relating to our capital raising activities and other financial and operational matters, which may make it more difficult for us to obtain additional capital or to pursue business opportunities, including potential acquisitions. If we are unable to obtain adequate financing or financing on terms satisfactory to us, when we require it, our ability to continue to support our business and to respond to business challenges could be significantly limited.

The market price and trading volume of our common stock may be volatile and could decline significantly.

The stock markets, including Nasdaq on which we list our shares of common stock, have from time to time experienced significant price and volume fluctuations. Even if an active, liquid, and orderly trading market develops and is sustained for our common stock, the market price of our common stock may continue to be volatile and could decline significantly. Most recently, since December 6, 2022, our stock has closed below \$1.00 per share. As previously disclosed, on January 20, 2023, we received a notice from Nasdaq that we were no longer in compliance with the \$1.00 per share minimum bid price requirement for continued listing on Nasdaq. Although the notification does not have an immediate impact on our Nasdaq listing, we were given a period of 180 calendar days, or until July 19, 2023, to regain compliance with the requirement. On July 19, 2023, we notified Nasdaq, in writing, of our intention to cure the deficiency and requested an additional 180-calendar day period in which to do so. On July 20, 2023, we were notified by Nasdaq that we had been granted a second 180 calendar day period, or until January 16, 2024, to regain compliance and cure the deficiency, provided that we continue to meet the other continued listing requirements of Nasdaq. If we are unable to regain compliance with the minimum bid price requirement during this second compliance period, we will be subject to delisting from Nasdaq. We have informed Nasdaq that, if necessary, we will remedy our lack of compliance with the bid price rule prior to the end of the second compliance period, including, by way of a reverse stock split. Companies that implement a reverse stock split often see a materially negative impact on their stock price. In addition, the trading volume of our common stock may fluctuate significantly, which can have significant impact on the price of our common stock. If the market price of our common stock declines significantly, you may be unable to resell your shares at an attractive price, or at all. We cannot assure you that the market price of our common stock will not fluctuate widely or decline significantly in the future.

Our business could be materially and adversely affected by the lingering impacts of the global COVID-19 pandemic or other epidemics and outbreaks.

The COVID-19 pandemic had disrupted and affected our business operations, which has led to business and supply chain disruptions. The lingering effects of the pandemic are likely to continue to disrupt our business and supply chain in the future. Given the unpredictable nature of COVID-19 and its variants, it is difficult, if not impossible, to predict, whether any government-imposed restrictions will be reimposed at previous levels or enhanced in one or more ways impacting our business operations or those of third parties upon which we rely. The lingering effects of the COVID-19 pandemic, including associated business interruptions and recovery, as well as other possible epidemics or outbreaks of other contagions could result in a material adverse impact on our business operations, or the business operations of our current or anticipated customers and suppliers, including the potential reduction or suspension of operations in the U.S. or other parts of the world. Our design and engineering operations, among others, cannot all be conducted remotely and often require on-site access to materials and equipment. We have customers, suppliers, and partners with international operations, and our customers, suppliers, and partners also depend on suppliers and manufacturers worldwide, which means that our business and prospects could be affected by the lingering effects of the COVID-19 pandemic anywhere in the world. Depending upon the duration of the lingering effects of the COVID-19 pandemic and the associated business interruptions, our customers, suppliers, manufacturers, and partners may suspend or delay their engagements with us. We and our customers' and suppliers' response to the lingering effects of the COVID-19 pandemic may prove to be inadequate and they may be unable to continue their respective operations in the manner they had prior to the outbreak or the worsening of the outbreak, and we may consequently endure interruptions, reputational harm, delays in our product development, and shipments, all of which could have an adverse effect on our business, operating results, and financial condition. In addition, we cannot assure you as to the timing of the economic recovery given the lingering effects of the pandemic, which could have a material adverse effect on our target markets and our business.

If our deterministic artificial intelligence-driven sensing system is not selected for inclusion in ADAS technology by automotive OEMs or their suppliers, our business will be materially and adversely affected.

Automotive OEMs and their suppliers design and develop ADAS technology over several years. These automotive OEMs and suppliers undertake extensive testing or qualification processes prior to placing orders for large quantities of products, such as our lidar products, because such products will function as part of a larger system or platform and must meet specifications that we do not control or dictate. We have spent, and will continue to spend, significant time and resources to have our products selected by automotive OEMs and their suppliers, which we refer to as a "design win." In the case of autonomous driving and ADAS technology, a design win means our lidar product has been selected for use in a particular vehicle model or models. If we do not achieve a design win with respect to a particular vehicle model, we may not have an opportunity to supply our products to the automotive OEM or its supplier for that vehicle model for a period of many years. In many cases, this period can be as long as five to seven years (or more). If our products are not selected by an automotive OEM or our suppliers for one

vehicle model or if our products are not successful in that vehicle model, it is less likely that our product will be deployed in other vehicle models of that automotive OEM. If we fail to obtain design wins for a significant number of vehicle models from one or more automotive OEMs or their suppliers, our business, results of operations, and financial condition will be materially and adversely affected. Our business model for the Automotive market is based on our relationships with Tier 1 suppliers. If these relationships do not materialize, automotive OEMs may be less inclined to select our products for use in their vehicle models. The period of time from a design win to implementation is long and we are subject to the risks of cancellation or postponement of the contract or unsuccessful implementation.

Our forward-looking estimates of certain financial metrics may prove inaccurate.

We use various estimates in formulating our business plans. We base our estimates upon a number of assumptions that are inherently subject to significant business and economic uncertainties and contingencies, many of which are beyond our control. Our estimates therefore may prove inaccurate, causing the actual amount to differ from our estimates. These factors include, without limitation:

- the extent to which we meet contractual terms and conditions;
- the extent to which our technology is successfully integrated into our customers' vehicles;
- the timing of when our customers adopt our technology into their vehicles on a commercial basis which could be delayed for regulatory, safety, or reliability issues unrelated to our technology;
- undetected or unknown errors, defects, or reliability issues in our hardware or software which could reduce the market adoption of our existing or new products;
- loss of business with respect to the failure or lack of commercial success of a vehicle model for which we are a significant supplier for reasons unrelated to our technology;
- a decline, for any reason, in the production levels of our customers, particularly with respect to models which incorporate our technology;
- customer cancellations of their contracts;
- if our products are included as part of a vehicle option package, the extent to which end customers select it; and
- other risk factors set forth in this Quarterly Report.

We are substantially relying on our relationship with Continental AG; our business could be materially and adversely affected if our relationship with Continental was terminated, or if Continental is unable to obtain a sufficient number of design wins and enter into definitive agreements or other commercial arrangements with automotive OEMs with respect to such design wins.

Our business prospects are substantially based on our relationship with Continental. We have entered into an agreement with Continental pursuant to which Continental licenses from us the rights to manufacture and integrate our lidar solution into automotive OEM model lines through long-term series production contracts with automotive OEMs. There can be no assurance that we will be able to maintain or further our relationship with Continental and/or that Continental will secure orders for our product designs and software. If we are unable to maintain or progress our relationship with Continental, or if Continental is unable to secure a sufficient number of design wins and enter into definitive agreements or other commercial arrangements with automotive OEMs, then our business could be materially and adversely affected.

The period of time from a design win to implementation is long and we are subject to the risks of cancellation or postponement of the contract or unsuccessful implementation.

Prospective customers, including those in the automotive industry, generally must make significant commitments of resources to test and validate products like ours and confirm that they can integrate these products with other technologies before including them in any particular system, product, or model. The development cycles for our products with new customers varies widely depending on the application, market, customer, and the

complexity of the product. In the Automotive market, for example, this development cycle can be five to seven years (or more). The development cycle in certain other markets can be months to one or two years (or more). These development cycles result in us investing our resources prior to realizing any revenue from commercialization. Further, we are subject to the risk that customers cancel or postpone implementation of our technology or our customers are unable to integrate our technology successfully into a larger system. If our customers face financial difficulties, they may also cancel current or future product programs that could materially and adversely impact our financial results. Further, our revenue could be less than forecasted if the system, product, or vehicle model that includes our lidar products is unsuccessful, including for reasons unrelated to our technology. Long development cycles and product cancellations or postponements may adversely affect our business, results of operations, and financial condition.

Our products require key components and critical raw materials and our inability to reduce and control the cost of such components and raw materials could negatively impact the adoption of our products and accordingly, our financial condition and operating results.

The production of our components is dependent on sourcing certain key components and raw materials at acceptable price levels. We have experienced, and may continue to experience, supply chain-induced shortages of key components, leading to a scarcity of such components, a limited availability of such components at greatly inflated prices, or both. If we or our licensees or contract manufacturers are unable to adequately reduce and control the costs of such key components, we or they will be unable to realize manufacturing costs targets, which could reduce the market adoption of our products, damage our reputation with current or prospective customers, and have an adverse effect on our brand, business, prospects, financial condition, and operating results.

Continued pricing pressures, automotive OEM and Tier 1 supplier cost reduction initiatives, and the ability of automotive OEMs and Tier 1 suppliers to utilize alternatives or cancel vehicle or technology programs may result in lower than anticipated revenues, or cause substantial losses, which may adversely affect our business.

Cost-cutting initiatives adopted by our customers may result in continued downward pressure on pricing. Our agreements and partnerships with automotive OEMs and Tier 1 suppliers may require step-downs in pricing over the term of the agreement or partnership, or if commercialized, over the period of production. In addition, our automotive OEM and Tier 1 suppliers often reserve the right to terminate their supply contracts for convenience, which enhances their ability to obtain price concessions. Automotive OEMs and Tier 1 suppliers also possess significant leverage over their suppliers, including us, because the automotive component supply industry is highly competitive, serves a limited number of customers, and has a high fixed cost base. See also the risk factor entitled, “We operate in a highly competitive market involving emerging technology. We compete against a number of competitors, some of whom have substantially greater resources than us,” below.

Accordingly, we expect to be subject to substantial and continuing pricing pressure from automotive OEMs, Tier 1 suppliers, and lidar competitors, which may impact the revenue we receive from licensing our product designs or selling our products. It is possible that pricing pressures beyond our expectations could intensify as automotive OEMs, Tier 1 suppliers, and lidar competitors pursue restructuring, consolidation, and cost-cutting initiatives. If we are unable to identify sufficient design cost savings to meet the expectations of automotive OEMs and Tier 1 suppliers, our revenue and profitability would be adversely affected.

We expect to continue to incur substantial R&D costs and devote significant resources to identifying and commercializing new products, which could significantly reduce our profitability and may never result in revenue for us.

Our future growth depends on penetrating new markets, adapting existing products to new applications and customer requirements, and introducing new products that achieve market acceptance. We expect to continue to incur substantial R&D costs as part of our efforts to design, develop, manufacture, and commercialize new products and enhance existing products. Our R&D expenses were approximately \$15.3 million and \$19.3 million during the six months ended June 30, 2023 and 2022, respectively, and may increase in the future. Because we account for R&D as an operating expense, these expenditures will adversely affect our results of operations in the future. Further, our R&D program may not produce successful results, and our new products may not achieve market acceptance, create additional revenue, or become profitable.

Although we believe that lidar is an essential technology for autonomous vehicles and other emerging applications, market adoption of lidar is uncertain. If market adoption of lidar does not continue to develop, or adoption is deferred, or otherwise develops more slowly than we expect, our business will be adversely affected.

While our artificial intelligence-driven lidar-based sensing system can be applied to different use cases across end markets, approximately 71% and 64% of our revenue during the six months ended June 30, 2023 and 2022, respectively, was generated from automotive applications with a few customers in the aerospace, delivery, shuttle, railway, mining, and aviation sectors. Despite the fact that the automotive industry has expended considerable effort to research and test lidar products for ADAS and autonomous driving applications, the automotive industry may not introduce lidar products in commercially available vehicles on a time frame that matches our expectations, or at all. We continually study emerging and competing sensing technologies and methodologies and we may incorporate new sensing technologies to our product portfolio over time. However, lidar products remain relatively new and it is possible that other sensing modalities, or a new disruptive modality based on new or existing technologies, including a combination of technologies, will achieve acceptance or leadership in the ADAS and autonomous driving space. Even if lidar products are used in initial generations of autonomous driving technology and ADAS products, we cannot guarantee that lidar products will be designed into or included in subsequent generations of such commercialized technology. The speed of market adoption and growth for ADAS or autonomous vehicles is difficult, if not impossible, to predict, and it is more difficult to predict this market's future growth in light of the economic consequences of the lingering effects of the COVID-19 pandemic and other macroeconomic factors. Although we currently believe we have a differentiated market leading technology for the autonomous vehicle market, by the time mass market adoption of autonomous vehicle technology is achieved, we expect competition among providers of sensing technology based on lidar and other modalities to increase substantially. If, by the time autonomous vehicle technology achieves mass market adoption, commercialization of lidar products is not successful, or not as successful as we or the market expects, or if other sensing modalities gain acceptance by developers of ADAS products, automotive OEMs, regulators, safety organizations, or other market participants, our business, results of operations, and financial condition will be materially and adversely affected.

To a limited extent, we are investing in and pursuing market opportunities outside of the Automotive market, including in the aerospace and defense, shuttle, delivery vehicle, drone, railway, intelligent transport, and mining sectors. Over the longer term, we believe that our revenue growth, if any, will depend in part on our ability to expand within new markets such as these and to enter new markets as they emerge. Each of these markets presents distinct risks and, in many cases, requires that we address the particular requirements of that market.

Addressing these requirements can be time-consuming and costly. The market for lidar technology is relatively new, rapidly developing, and unproven in many markets or industries. Many of our prospective customers are still in the testing and development phases and we cannot be certain that they will commercialize products or systems with our lidar products, or at all. We cannot be certain that lidar will be sold into these markets, or that lidar will be sold into any markets at scale. Adoption of lidar products, including our products, will depend on numerous factors, including whether the technological capabilities of lidar and lidar-based products meet users' current or anticipated needs, whether the benefits associated with designing lidar into larger sensing systems outweighs the costs, complexity, and time needed to deploy such technology or replace or modify existing systems that may have used other modalities, such as cameras and radar, whether users in other applications can move beyond the testing and development phases and proceed to commercializing systems supported by lidar technology and whether lidar developers, such as us, can keep pace with the expected rapid technological change in certain developing markets, and the global response to the lingering effects of the COVID-19 pandemic, and other macroeconomic factors, and the length of any associated economic recovery. If lidar technology does not achieve commercial success, or if adoption of lidar is deferred or the market otherwise develops at a pace slower than we expect, our business, results of operations, and financial condition will be materially and adversely affected.

We may experience difficulties in managing our growth and expanding our operations.

Over the long term, we expect to experience significant growth in the scope and nature of our operations. Our ability to manage our operations and future growth will require us to continue to improve our operational, financial, and management controls, legal and compliance programs, and reporting systems. We may not be able to implement improvements in an efficient or timely manner and may discover deficiencies in existing controls, programs, systems, and procedures, which could have an adverse effect on our business, reputation, and financial results.

We rely on third-party suppliers and because some of the raw materials and key components in our products come from limited or single source suppliers, we are susceptible to supply shortages, longer than anticipated lead times for components, and supply changes, any of which could disrupt our supply chain and could delay deliveries of our products to customers.

Most of the components that go into the manufacturing of our solutions are sourced from third-party suppliers. To date, we have produced our products in relatively limited quantities for use in R&D programs. Although we do not have any experience in managing our supply chain to manufacture and deliver our products at scale, our future success will depend on our ability to do so. Some of the key components used to manufacture our products come from limited or single source suppliers. We are therefore subject to the risk of shortages and long lead times in the supply of these components and the risk that our suppliers discontinue or modify components used in our products. As we rely on a global supply chain, the lingering effects of the COVID-19 pandemic, other epidemics and outbreaks, should they materialize, and other macroeconomic factors may adversely affect our ability to source components in a timely or cost-effective manner from our third-party suppliers due to, among other things, work stoppages or interruptions. For example, our products depend on lasers. Any shortage in the availability of these lasers could materially and adversely affect our ability to manufacture our solutions. In addition, the lead times associated with certain components are lengthy and preclude rapid changes in quantities and delivery schedules. While we have entered into agreements with some suppliers for the supply of certain components at set prices, such quantities are limited given we are not yet producing at scale. Therefore, we have in the past experienced, and may in the future experience, component shortages and significant price fluctuations of key components and materials, and the predictability of the availability and pricing of these components may be limited. Component shortages or pricing fluctuations could be material in the future, which could be exacerbated by employee retention issues at any of our suppliers. In the event of a component shortage, supply interruption, or a material pricing change from suppliers of these components, we may not be able to develop alternate sources in a timely manner, or at all, especially in the case of sole or limited source items. Developing alternate sources of supply for these components may be time-consuming, difficult, and costly and we may not be able to source these components on terms that are acceptable to us, or at all, which may undermine our ability to meet our requirements or to fill customer orders in a timely manner. Any interruption or delay in the supply of any of these parts or components, or the inability to obtain these parts or components from alternate sources at acceptable prices and within a reasonable amount of time, would adversely affect our ability to meet our scheduled product deliveries to our customers. This could adversely affect our relationships with our customers and channel partners and could cause delays in shipment of our products and adversely affect our operating results. In addition, increased component costs could result in lower gross margins. Even where we are able to pass increased component costs along to our customers, there may be a lapse of time before we are able to do so such that we will be required to absorb some or all of the increased cost. If we are unable to buy these components in quantities sufficient to meet our requirements on a timely basis, we will not be able to deliver products to our customers, which may result in such customers using competitive products instead of our products.

Because our sales have been primarily to customers making purchases for R&D projects and customers' current orders are project-based, we expect our results of operations to continue to fluctuate on a quarterly and annual basis, which could cause our stock price to fluctuate or decline.

Our quarterly results of operations have fluctuated in the past and may vary significantly in the future. As such, historical comparisons of our operating results may not be meaningful. In particular, because our sales to date have primarily been to customers making purchases for their own R&D, sales in any given quarter can fluctuate based on the timing and success of our customers' development projects. Accordingly, the results of any one quarter should not be relied upon as an indication of future performance. Our quarterly financial results may fluctuate as a result of a variety of factors, many of which are outside of our control and may not fully reflect the underlying performance of our business. These fluctuations could adversely affect our ability to meet our expectations or those of securities analysts, ratings agencies, or investors. If we do not meet these expectations for any period, the value of our business and our securities, could decline significantly. Factors that may cause these quarterly fluctuations include, without limitation, those listed below:

- the timing and magnitude of orders and shipments of our products in any quarter;
- decreases in pricing we may adopt to drive market adoption or in response to competitive pressure;
- our ability to retain our existing customers and strategic partners and attract new customers and strategic partners;

- our ability to develop, introduce, manufacture, and ship, in a timely manner, products that meet customer requirements;
- disruptions in our sales channels or termination of our relationships with important channel partners;
- delays in customers' purchasing cycles or deferments of customers' purchases in anticipation of new products or updates from us or our competitors;
- fluctuations in demand for our products;
- the mix of products sold or licensed by us in any given quarter;
- the duration of the lingering effects of the global COVID-19 pandemic and the time it takes for economic recovery;
- the duration or worsening of the military conflict in Ukraine and the time it will take for the economic recovery for such impact to occur;
- the timing and rate of broader market adoption of ADAS or autonomous systems utilizing our solutions across the automotive and other market sectors;
- the timing and scale of the market acceptance of lidar generally;
- further technological advancements by our competitors and other market participants;
- the ability of our customers and strategic partners to commercialize systems that incorporate our products;
- any change in the competitive dynamics of our markets, including consolidation of competitors, regulatory developments, and new market entrants;
- our ability to effectively manage or outsource management of our inventory;
- changes in the source, cost, availability of, and regulations pertaining to components and materials we use in our products;
- adverse litigation, judgments, settlements, or other litigation-related costs, or claims that may give rise to such costs; and
- general economic, industry, and market conditions, including trade disputes.

We may face risks associated with our reliance on certain artificial intelligence and machine learning models.

We rely on artificial intelligence and machine learning models in the development of our solutions for vehicle autonomy, ADAS, and industrial applications. The models that we use are developed or trained using various data sets. If the models are incorrectly designed, the data we use to train them is incomplete, inadequate, or biased in some way, or if we do not have sufficient rights to use the data on which our models rely, the performance of our products, services, and business, as well as our reputation, could suffer or we could incur liability through the violation of laws, third-party privacy, or other rights, or contracts to which we are a party.

Our outsourced manufacturing business model for the industrial market may not be successful, which could harm our ability to deliver products and recognize revenue in the industrial market.

Our manufacturing strategy for the industrial market has always been focused on outsourcing volume manufacturing to contract manufacturers while maintaining the design, engineering, prototyping, testing, and pilot manufacturing in-house at our facility in Dublin, California. We currently have agreements with certain third-party manufacturers to provide contract manufacturing, testing, and delivery of certain of our products.

Reliance on third-party manufacturers reduces our control over the manufacturing process, including reduced control over quality, product costs, and product supply and timing. We may experience delays in shipments or issues concerning product quality from our third-party manufacturers. If any of our third-party manufacturers

experience interruptions, delays, or disruptions in supplying our products, including by natural disasters, the lingering effects of the global COVID-19 pandemic, or if other epidemics or outbreaks of other contagions materialize, increased military conflict, especially in Eastern Europe, or work stoppages or capacity constraints, our ability to ship products would be delayed. In addition, unfavorable economic conditions could result in financial distress among third-party manufacturers upon which we rely, thereby increasing the risk of disruption of supplies necessary to fulfill our production requirements and meet customer demands. Additionally, if any of our third-party manufacturers experience quality control problems in their manufacturing operations and our products do not meet customer or regulatory requirements, we could be required to cover the cost of repair or replacement of any defective products. These delays or product quality issues could have an immediate and material adverse effect on our ability to fulfill orders and could have a negative effect on our operating results. In addition, such delays or issues with product quality could adversely affect our reputation and our relationship with our channel partners. If our third-party manufacturers experience financial, operational, manufacturing capacity, or other difficulties, or experience shortages in required components, or if they are otherwise unable or unwilling to continue to manufacture our products in required volumes or at all, our supply may be disrupted, we may be required to seek alternate manufacturers, and we may be required to redesign our products. It would be time-consuming, and could be costly and impracticable, to begin to use new manufacturers or designs, and such changes could cause significant interruptions in supply and could have an adverse effect on our ability to meet our scheduled product deliveries, and may subsequently lead to the loss of sales. While we take measures to protect our trade secrets, the use of third-party manufacturers may also risk disclosure of our innovative and proprietary manufacturing methodologies, which could adversely affect our business.

We may engage international contract manufacturers, and therefore we may face risks associated with manufacturing operations outside the United States.

To the extent our manufacturing is done outside of the United States, we are subject to several inherent risks, including:

- foreign currency fluctuations;
- local economic conditions;
- political instability, including the military actions occurring in Ukraine;
- import and export requirements;
- foreign government regulatory requirements;
- reduced protection for intellectual property rights in some countries;
- tariffs and other trade barriers and restrictions; and
- potentially adverse tax consequences.

We intend to engage with contract manufacturers outside the United States, therefore we will be subject to these risks, each of which could increase our costs and decrease our profit margins.

We, our outsourcing partners, and our suppliers rely on complex machinery for production of our lidar solutions, which involves a significant degree of risk and uncertainty in terms of operational performance and costs.

We, our outsourcing partners, and our suppliers rely on complex machinery for the production, assembly, and installation of our lidar solutions, which involve a significant degree of uncertainty and risk in terms of operational performance and maintenance costs. In addition, the cost to procure such machinery can be significant and, in many instances, such costs will be paid by us. Our limited in-house production facility, and the facilities of our outsourcing partners and suppliers, consist of large-scale machinery combining many components. These components may suffer unexpected malfunctions from time to time and will require repairs and spare parts to resume operations, which may not be available when needed. Unexpected malfunctions of these components may significantly affect intended operational efficiency. Operational performance and costs can be difficult to predict and are often influenced by factors outside of our control, such as, but not limited to, scarcity of natural resources, environmental hazards and remediation, costs associated with decommissioning of machines, labor disputes and strikes, difficulty or delays in obtaining governmental permits, damages or defects in electronic systems, industrial

accidents, fires, seismic activity, and other natural and manufactured disasters. Should such operational risks materialize, it may result in personal injury to or death of workers, loss of production equipment, damage to production facilities, monetary losses, delays, and unanticipated fluctuations in production, environmental damage, administrative fines, increased insurance costs and potential legal liabilities, some of which may be the responsibility of our outsourcing partners and suppliers, but could have a material adverse effect on our business, prospects, financial condition, or operating results.

As part of growing our business, we may make acquisitions. If we fail to successfully select, execute, or integrate our acquisitions, then our business, results of operations, and financial condition could be materially and adversely affected, and our stock price could decline.

From time to time, we may undertake acquisitions to add new products and technologies, acquire talent, gain new sales channels, or enter into new markets or sales territories. In addition to possible stockholder approval, we may need approvals and licenses from relevant governmental authorities for the acquisitions and to comply with any applicable laws and regulations, which could result in increased delays and costs, and may disrupt our business strategy if we fail to obtain such required approvals. Furthermore, acquisitions and the subsequent integration of new assets, businesses, key personnel, customers, vendors, and suppliers will require significant attention from our management and could result in a diversion of resources from our existing business, which in turn could have an adverse effect on our operations. Acquired assets or businesses may not generate the financial results we expect. Acquisitions could result in the use of substantial amounts of cash, potentially dilutive issuances of equity securities, the occurrence of significant goodwill impairment charges, amortization expenses for other intangible assets, and exposure to potential unknown liabilities of the acquired business. Moreover, the costs of identifying and closing acquisitions may be significant.

To date, we have very limited experience with acquisitions and the integration of acquired technology and personnel. Failure to successfully identify, complete, manage, and integrate acquisitions could materially and adversely affect our business, financial condition, and results of operations and could cause our stock price to decline.

Our sales and operations in international markets expose us to associated operational, financial, and regulatory risks.

Sales to international customers accounted for 18% and 8% of our revenue for the six months ended June 30, 2023 and 2022, respectively. We are committed to growing our international sales, and while we have committed resources to expanding our international operations and sales channels, these efforts may not be successful. International operations are subject to a number of other risks, including:

- exchange rate fluctuations;
- political and economic instability, international terrorism, and anti-American sentiment, particularly in emerging markets;
- global or regional health crises, such as the lingering effects of the COVID-19 pandemic or other epidemics or outbreaks of other contagions;
- increasing military conflicts in Eastern Europe;
- potential for violations of anti-corruption laws and regulations, such as those related to bribery and fraud;
- preference for locally branded products, and laws and business practices favoring local competition;
- potential consequences of, and uncertainty related to, the “Brexit” process in the United Kingdom, which could lead to additional expense and complexity in doing business there;
- increased difficulty in managing inventory;
- delayed revenue recognition;
- the potential for less effective protection of intellectual property;

- stringent regulation of autonomous, AI, or other systems or products using our products and stringent consumer protection and product compliance regulations, including, but not limited, to the General Data Protection Regulation, or GDPR, in the European Union, European competition law, the Restriction of Hazardous Substances Directive, or RoHS, the Waste Electrical and Electronic Equipment Directive, or WEEE, and the European Ecodesign Directive, all of which are costly to comply with and may vary from country to country;
- difficulties and costs of staffing and managing foreign operations;
- import and export laws and the impact of tariffs;
- changes in local tax and customs duty laws or changes in the enforcement, application, or interpretation of such laws; and
- the U.S. government's restrictions on technology transfers to certain countries.

The occurrence of any of these risks could negatively affect our international business and consequently our business, operating results, and financial condition.

The complexity of our products could result in unforeseen delays or expenses from undetected defects, errors, or reliability issues in our hardware or software which could reduce the market adoption of our products, damage our reputation with current or prospective customers, expose us to product liability and other claims, and thereby adversely affect our operating costs.

Our products are highly technical, very complex, and require high standards to manufacture. Our products have in the past experienced, and will likely in the future experience, defects, errors, or reliability issues at various stages of development, production, and use. We may be unable to timely release new products, manufacture existing products, correct problems that have arisen, or correct such problems to our customers' satisfaction. Additionally, undetected errors, defects, or security vulnerabilities, especially as new products are introduced or as new versions are released, could result in serious injury to the end users of the technology incorporating our products or those in the surrounding area, our customers never being able to commercialize technology incorporating our products, litigation against us, negative publicity, and other consequences. These risks are particularly prevalent in the highly competitive autonomous driving and ADAS markets. Some errors or defects in our products may only be discovered after they have been tested, commercialized, and deployed by customers. If that is the case, we may incur significant additional development costs and product recall, repair, or replacement costs. These problems may also result in claims, including class actions, against us. Our reputation or brand may be damaged as a result of these problems and customers may be reluctant to buy our products thereafter, which could adversely affect our ability to retain existing customers and attract new customers, and could adversely affect our financial results.

Our products are intended to be combined with third-party hardware and software as part of larger systems. These larger systems are also highly technical, complex, and require high standards to manufacture. The third-party components incorporated into these larger systems, have been and will be subject to defects, errors, and reliability issues during development, production, and use. Should these third-party components, in which our products are intended to be combined with, fail or require action to correct the defects or errors, it would delay the release or sale of the larger system in which our products are to be incorporated, thereby adversely affecting our financial results. As the production of third-party components are largely outside of our control, we are subject to such third parties investing sufficient time and resources to correct any defects or errors. For example, if a third-party reseller intended to overlay perception software on our product prior to resale, but such perception software contained defects or errors such that it could not be introduced into the market, the sales of our products would be delayed or cancelled, thereby adversely affecting our financial results.

In addition, we could face material legal claims for breach of contract, product liability, fraud, tort, or breach of warranty as a result. Defending a lawsuit, regardless of its merit, could be costly and may divert management's attention and adversely affect the market's perception of us and our products. In addition, any insurance coverage we may have could prove inadequate with respect to a claim and future coverage may be unavailable on acceptable terms, or at all. These product-related issues could result in claims against us and our business could be adversely affected.

We may be subject to product liability or warranty claims that could result in significant direct or indirect costs, which could adversely affect our business and operating results.

Our customers intend to use our solutions in autonomous driving and ADAS applications; the operation of motor vehicles, even with our solutions embedded, presents the risk of significant injury, including fatalities. We may be subject to claims if a product using our lidar technology is involved in an accident and persons are injured or purport to be injured. Any insurance that we carry may not be sufficient or it may not apply to all situations. Similarly, our customers could be subjected to claims as a result of such accidents and bring legal claims against us to attempt to hold us liable. In addition, if lawmakers or governmental agencies were to determine that the use of our products, autonomous driving, or certain other ADAS applications increased the risk of injury to all or a subset of our customers, they may pass laws or adopt regulations that limit the use of our products, increase the liability associated with the use of our products, or regulate the use of or delay the deployment of autonomous driving and ADAS technology. Any of these events could adversely affect our brand, relationships with customers, operating results, or financial condition.

Suppliers to automotive OEMs may require that we provide a warranty, either directly or indirectly, on our products, including our embedded software. The occurrence of any material defects in our products during the warranty period could make us liable for damages and warranty claims. In addition, we could incur significant costs to correct any defects, warranty claims, or other problems, including costs related to product recalls. Any negative publicity related to the perceived quality of our products could affect our brand image, partner and customer demand, and adversely affect our operating results and financial condition. Also, warranty, recall, and product liability claims may result in litigation, including class actions, the occurrence of which could be costly, lengthy, and distracting, and adversely affect our business and operating results.

If we do not maintain sufficient inventory or if we do not adequately manage our inventory, we could lose sales or incur higher inventory-related expenses, which could negatively affect our operating results.

To ensure adequate inventory, we must forecast inventory needs and expenses, place orders sufficiently in advance with our suppliers and manufacturing partners, and manufacture products based on our estimates of future demand for particular products. Fluctuations in the adoption of lidar products may affect our ability to forecast our future operating results, including revenue, gross margins, cash flows, and profitability. Our ability to accurately forecast demand for our products could be affected by many factors, including the accuracy of the forecasts that we receive from our customers, the rapidly changing nature of the autonomous driving and ADAS markets in which we operate, the uncertainty surrounding the market acceptance and commercialization of lidar technology, the emergence of new markets, an increase or decrease in customer demand for our products or for products and services of our competitors, product introductions by competitors, the lingering effects of the COVID-19 pandemic, other epidemics or outbreaks of other contagions should they materialize, any work stoppages or interruptions, unanticipated changes in general market conditions, and the general weakening of economic conditions or consumer confidence, which may be exacerbated by the on-going military actions in Ukraine. If our lidar products are commercialized in autonomous driving and ADAS applications, both of which are experiencing rapid growth in demand, we may face challenges acquiring adequate supplies to manufacture our products and/or we and our manufacturing partners may not be able to manufacture our products at a rate necessary to satisfy the levels of demand, which would negatively affect our revenue. This risk may be enhanced by the fact that we may not carry or be able to obtain for our manufacturing partners a significant level of inventory to satisfy short-term increases in demand. If we fail to accurately forecast customer demand, we may experience excess inventory levels or a shortage of products available-for-sale.

Inventory levels in excess of customer demand may result in inventory write-downs or write-offs and the sale of excess inventory at discounted prices, which would adversely affect our financial results, including our gross margin, and have a negative effect on our brand. Conversely, if we underestimate customer demand for our products, we, or our manufacturing partners, may not be able to deliver products to meet our requirements, and this could result in damage to our brand and customer relationships, and adversely affect our revenue and operating results.

The average selling prices of our products or our fees or royalties from technology licenses could decrease rapidly over the life of the product or license term, which may negatively affect our revenue and gross margin.

We may experience declines in the average selling prices of our products generally as our customers seek to commercialize autonomous systems at prices low enough to achieve market acceptance or due to competitive pressures. In order to sell products that have a falling average unit selling price and maintain margins at the same

time, we will need to continually reduce product and manufacturing costs. To manage manufacturing costs, we and our Tier 1 partners must continually engineer the most cost-effective design for our products. In addition, we continuously drive initiatives to reduce assembly cost, improve efficiency, reduce the cost of materials, use fewer materials, and further lower overall product costs by carefully managing component prices, inventory, and shipping costs. We also need to continually introduce new and competitive products in order to maintain our overall gross margin. We may also experience declines in fees or royalties from licensing our technology as customers reduce the prices of products incorporating our licensed technology in order to achieve market acceptance or due to competitive pressures. If we are unable to manage the cost structure of our products, successfully introduce new products with higher gross margins, and develop new technology that we can license at attractive royalty rates, our revenue and overall gross margin would likely decline.

Adverse conditions in the automotive industry or downturns in domestic or global economic conditions, or other macroeconomic factors more generally, could have adverse effects on our results of operations.

While we make our strategic planning decisions based on the assumption that the markets we are targeting will grow, our business is dependent, in large part on, and directly affected by, business cycles and other factors affecting the global automotive industry and the global economy generally. Automotive production and sales are highly cyclical and depend on general economic conditions and other factors, including consumer spending and preferences, changes in interest rates (which have recently seen significant increases) and credit availability, changes in inflation rates (which the U.S. has recently experienced), consumer confidence, fuel costs, fuel availability, environmental impact, governmental incentives and regulatory requirements, and political volatility, especially in energy-producing countries and growth markets. Increases in interest rates, especially if coupled with reduced government spending and volatility in financial markets, may have the effect of further increasing economic uncertainty and heightening these risks, which may impact our ability to raise additional capital in the future. The March 2023 failure of Silicon Valley Bank and its potential near- and long-term effects on the technology industry and its participants such as our vendors, suppliers, and investors, may also adversely affect our operations and stock price. In addition, the recent outbreak of hostilities between Russia and Ukraine and global reactions thereto have increased U.S. domestic and global energy prices. Oil supply disruptions related to the Russia-Ukraine conflict, and sanctions and other measures taken by the U.S. and its allies, could lead to higher costs for gas, food, and goods in the U.S. and exacerbate the inflationary pressures on the economy, with potentially adverse impacts on our customers and on our business, results of operations, and financial condition. Moreover, certain raw materials needed to produce components that are incorporated into our products, and the products of our customers, are primarily derived in the region in which the Russia-Ukraine conflict is occurring. The longer the Russia-Ukraine conflict continues and the more damage to Ukrainian infrastructure that occurs, the greater the impact could be on the supply of such raw materials, and the failure to have access to such raw materials could have an adverse effect on our business and results of operations. In addition, the Cybersecurity and Infrastructure Security Agency, or CISA, has warned all organizations in the U.S. to be on guard against possible cyber attacks coming from Russia which has the potential to disrupt business operations, limit access to essential services, and threaten public safety.

Automotive production and sales can also be affected by our automotive OEM and Tier 1 supplier customers' ability to continue operating in response to challenging economic conditions and in response to labor relations issues, regulatory requirements, trade agreements, and other factors, such as the unavailability of unrelated components in the assembly of automobiles, an example of which was the shortage of semiconductors necessary for automobile production. The volume of automotive production in North America, Europe, and the rest of the world has fluctuated, sometimes significantly, from year to year, and we expect such fluctuations to give rise to fluctuations in the demand for our products and licenses of our technology. Any significant adverse change in any of these factors may result in a reduction in automotive sales and production by our automotive OEM and Tier 1 supplier customers and could have a material adverse effect on our business, results of operations, and financial condition.

Customers with which we enter into supply agreements may require changes to our products or may be subject to renegotiation or termination in a short time period, which would materially and adversely affect our business.

If we and our partners are able to secure design wins so that our solutions are included in autonomous driving and ADAS products, we expect that we, or our Tier 1 partners, will enter into supply agreements with that customer. Market practice dictates that these supply agreements typically require us to supply a customer's requirements for a particular vehicle model or autonomous driving or ADAS product, rather than supply a set number of products. These arrangements can have short terms, be subject to renegotiation, or may be reduced or otherwise terminated, the occurrence of any of which may affect product pricing and future profitability. Therefore, even if we are successful in obtaining design wins, and we or our Tier 1 partners are able to enter into definitive agreements with OEMs, and the systems into which our products are built are commercialized, the discontinuation

of, the loss of business with respect to, or a lack of commercial success of a particular vehicle model or technology package for which we are a significant supplier could mean that the expected sales of our products will not materialize, materially and adversely affecting our business.

Since many of the markets in which we compete are new and rapidly evolving, it is difficult to forecast long-term end-customer adoption rates and demand for our products.

We are pursuing opportunities in markets that are undergoing rapid changes, including technological and regulatory changes, and it is difficult to predict the timing and size of the opportunities. For example, autonomous driving and lidar-based ADAS applications require the utilization of complex technology. Because these systems depend on technology from many companies, commercialization of autonomous driving or ADAS products could be delayed or impaired on account of certain technological components not being ready to be deployed in automobiles. We are in the process of developing necessary relationships with commercial partners, which may not result in the commercialization of our technology immediately, or at all. Regulatory, safety, or reliability developments, many of which are outside of our control, could also cause delays or otherwise impair commercial adoption of these new technologies, which will adversely affect our growth. Our future financial performance will depend on our ability to make timely investments in emerging market opportunities. If one or more of these markets experience a shift in customer or prospective customer demand, our products may not compete as effectively, if at all, and they may not be designed into commercialized products. Given the evolving nature of the markets in which we operate, it is difficult to predict customer demand or adoption rates for our products or the future growth of these markets. If demand does not develop or if we cannot accurately forecast customer demand, the size or timing of our markets, inventory requirements, or our future financial results, our business, results of operations, and financial condition will be adversely affected.

We currently have and target many customers that are large corporations with substantial negotiating power, exacting product standards, and potentially competitive internal solutions. If we are unable to sell our products to these customers, our prospects and results of operations will be adversely affected.

Many of our current and potential customers are large, multinational corporations with substantial negotiating power relative to us and, in some instances, may have internal solutions that are competitive to our products. These large, multinational corporations also have significant development resources, which may allow them to acquire or develop independently, or in partnership with others, competitive technologies. Meeting the technical requirements and securing design wins with any of these companies will require a substantial investment of our time and resources. We cannot assure you that our products will secure design wins from these or other companies or that we will generate meaningful revenue from the sales of our products to these key potential customers. If our products are not selected by these potential customers or if these potential customers develop or acquire competitive technology, it will have an adverse effect on our business.

Our business could be materially and adversely affected if we lost any of our large customers or strategic partners, if their demand for our products declined due to factors outside of our control, including component shortages (whether related to our products or otherwise) that impact our customers' overall production plans or product development plans, or if our customers were unable to pay their invoices.

Although we have and continue to pursue a broad customer base, we are dependent on a collection of customer relationships which are currently in development, with strong purchasing power. For the six months ended June 30, 2023 and 2022, Continental AG accounted for approximately 71% and 64% of our revenue, respectively. The loss of business from any of our major customers (whether by lower overall demand for our products, component shortages that impact our customers' production plans or product development plans, cancellation of existing contracts or product orders, or the failure to design in our products, or an award of initial or new business) could have a material adverse effect on our business.

To the extent autonomous vehicle and ADAS become accepted by major automotive OEMs, we expect that we will rely increasingly for our revenue on Tier 1 suppliers through which automotive OEMs procure components. We expect that these Tier 1 suppliers will be responsible for certain hardware and software configuration activities specific to each automotive OEM, and they may not exclusively carry our solutions.

There is also a risk that one or more of our major customers could be unable to pay our invoices as they become due or that a customer will simply refuse to make such payments if it experiences financial difficulties. If our customers face financial difficulties, they may also cancel current or future product programs that could materially and adversely impact our financial results. If a major customer were to enter into bankruptcy proceedings

or similar proceedings whereby contractual commitments are subject to a stay and the possibility of modifications, we could be forced to record a substantial loss.

If we are unable to establish and maintain confidence in our long-term business prospects among customers and analysts within our industry or we are subject to negative publicity, then our financial condition, operating results, business prospects, and access to capital may suffer materially.

Customers may be less likely to purchase our lidar solutions if they are not convinced that our business will succeed or that our service and support and other operations will continue in the long term.

Similarly, suppliers and other third parties will be less likely to invest time and resources in developing business relationships with us if they are not convinced that our business will succeed. Accordingly, in order to build and maintain our business, we must maintain confidence among customers, suppliers, analysts, ratings agencies, and others in our products, long-term financial viability, and business prospects. Maintaining such confidence may be particularly complicated by certain factors including those that are largely outside of our control, such as our limited operating history, customer familiarity with our lidar solutions, any delays in scaling production, delivery, and service operations to meet demand, competition, uncertainty regarding the future of autonomous vehicles, and our production and sales performance compared with market expectations.

Our investments in educating our customers and potential customers about the advantages of lidar and our applications may not result in sales of our products.

Educating our prospective customers, and to a lesser extent, our existing customers, about lidar, our advantages over other sensing technologies, and lidar's ability to convey value in different industries and deployments is an integral part of developing new business and the lidar market generally. If prospective customers have a negative perception of, or experience with, lidar, or a competitor's lidar products, they may be reluctant to adopt lidar in general or specifically our products. Adverse statements about lidar by influential market participants may also deter adoption. Some of our competitors have significant financial or marketing resources that may allow them to engage in public marketing campaigns about their alternative technology, lidar generally, or our solutions specifically. Our efforts to educate potential customers and the market generally, and to counter any adverse statements made by competitors or other market participants, will require significant financial and personnel resources. These educational efforts may not be successful, and we may not be in a position to offset the costs of such efforts with revenue from new customers. If we are unable to acquire new customers to offset these expenses or if the market accepts such adverse statements, our financial condition will be adversely affected.

We operate in a highly competitive market involving emerging technology. We compete against a number of competitors, some of whom have substantially greater resources than us.

The markets for sensing technology applicable to autonomous solutions across numerous industries are highly competitive. Our future success will depend on our ability to achieve a leadership position in our targeted markets by continuing to develop, and protect from infringement, advanced lidar technology in a timely manner and to stay ahead of existing and new competitors. Our competitors compete with us directly by offering lidar products and indirectly by attempting to solve some of the same challenges with different technologies. Our current and future competitors may enjoy competitive advantages, such as greater name recognition, established relationships, or existing contracts with Tier 1 suppliers and/or OEMs, and substantially greater financial, technical, and other resources. We face competition from a number of sources including camera and radar companies, other developers of lidar products, Tier 1 suppliers, and other technology and automotive supply companies. In the automotive market, our competitors have commercialized both lidar and non-lidar-based ADAS technology that has achieved market adoption, strong brand recognition, and is expected to improve over time. Other competitors are working towards commercializing autonomous driving technology and either by themselves, or with a publicly announced partner, and have substantial financial, marketing, R&D, and other resources. Some of our customers in the autonomous vehicle and ADAS markets have announced development efforts or made acquisitions directed at creating their own lidar-based or other sensing technologies, which would compete with our solutions. We do not know how close these competitors are to commercializing autonomous driving systems or novel ADAS applications. In markets outside of the automotive industry, our competitors seek to develop new sensing applications across industries. Even in these emerging markets, we face substantial competition from numerous competitors seeking to prove the value of their technology.

Additionally, competition may result in pricing pressure and reduced margins, and may impede our ability to secure design wins, successfully enter into definitive agreements or other commercial arrangements, or successfully commercialize our products at scale, which may prevent us from achieving our projected market share. In particular, our competitors have in the past offered, and may in the future offer, their products and services on terms that we and/or our Tier 1 partners are unwilling to match, or our competitors could introduce new products with competitive price and performance characteristics, which may adversely affect our market share.

The markets in which we compete are characterized by rapid technological change, which requires us to continue to develop new products and product innovations, and could adversely affect market adoption of our products.

While we intend to invest substantial resources to remain on the forefront of technological development, continuing technological changes in sensing technology and lidar, and the markets for these products, including the ADAS and autonomous driving space, could adversely affect adoption of lidar and/or our products, either generally or for particular applications. Our future success will depend upon our ability to develop and introduce a variety of new capabilities and innovations to our existing product offerings, as well as introduce a variety of new product offerings, to address the changing needs of the markets in which we offer our products. We cannot guarantee that such new products will be released in a timely manner, or at all, or achieve market acceptance. Delays in delivering new products that meet customer requirements could damage our relationships with customers and lead them to seek alternative sources of supply. In addition, to date, we have focused on the delivery of our solutions to R&D programs in which developers are investing substantial capital to develop new systems that incorporate our solutions. Our future success relies heavily on the outcome of the R&D efforts by these customers. As autonomous technology reaches the stage of large-scale commercialization, we will be required to develop and deliver solutions at price points that enable wider and ultimately mass-market adoption. Delays in introducing products and innovations, the failure to choose correctly among technical alternatives, or the failure to offer innovative products or configurations at competitive prices may cause existing and potential customers to purchase our competitors' products or turn to alternative sensing technologies.

If we are unable to devote adequate resources to develop products or cannot otherwise successfully develop products or system configurations that meet customer requirements on a timely basis or that remain competitive with alternatives, our products will lose market share, our revenue will decline, we will experience operating losses, and our business and prospects will be adversely affected.

Developments in alternative technologies may adversely affect the demand for our technology.

Significant developments in alternative technologies, such as cameras and radar, may materially and adversely affect our business, prospects, financial condition, and operating results in ways we do not currently anticipate. Existing and future camera and radar technologies may emerge as customers' preferred alternative to our solutions. Any failure by us to develop new or enhanced technologies or processes, or to react to changes in existing technologies, could materially delay our development and introduction of new and enhanced products in the autonomous vehicle industry, which could result in the loss of competitiveness of our lidar solutions, decreased revenue, and a loss of market share to competitors (or a failure to increase revenue and/or market share). Our R&D efforts may not be sufficient to adapt to changes in technology. As technologies change, we plan to upgrade or adapt our lidar solutions with the latest technology. However, our solutions may not compete effectively with alternative systems if we are not able to source and integrate the latest technology into our existing lidar solutions.

The Common Stock Purchase Agreement, or CSPA, we entered into with Tumim Stone Capital LLC, or Tumim Stone, in December 2021 contains contractual limitations that may not allow us to draw all of the \$125 million committed under the CSPA and to the extent we do draw under the CSPA, existing stockholders will be diluted.

In December 2021, we entered into the CSPA with Tumim Stone pursuant to which Tumim Stone committed to purchase, subject to certain limitations, up to \$125 million of our common stock should we elect to sell our common stock to them. On May 6, 2022, we filed a Registration Statement on Form S-1, which relates to the offer and resale of up to 30,865,419 shares of our common stock to be purchased by Tumim Stone, pursuant to the CSPA. Should we decide to sell our common stock to Tumim Stone, stockholders will experience dilution of their interest in us, which dilution will be heightened if the price at which we sell the common stock is low, as there is no minimum price at which we can sell our common stock under the CSPA. Moreover, under the CSPA, with some exceptions, we can only sell to Tumim Stone the lesser of: (i) a total of 30,865,419 shares of our common stock or (ii) a number of shares where Tumim Stone would own no more than 9.99% of our outstanding shares, which at August 4, 2023, we had 184,808,775 shares outstanding. At values below \$4.05 per share, we would likely not be in a position to realize the full commitment of \$125 million under the CSPA and existing stockholders would experience significant dilution. As of June 30, 2023, the Company had issued 1,145,000 shares of its common stock under the CSPA for proceeds of \$2.9 million. Therefore, the actual number of shares we will be able to sell to Tumim Stone, the amount of dilution our stockholders will experience upon the sale of our common stock under the CSPA, and the total proceeds that we will derive from such sales, cannot be determined at this time.

The Securities Purchase Agreement, or SPA, we entered into with 3i, LP, or 3i, in September 2022, contemplates the ability for us to borrow up to \$21 million, however, due to contractual limitations contained in the SPA, we may be unable to borrow the full amount contemplated under the SPA, and we may not have the option to repay the loan to 3i with stock if certain requirements are not met.

In September 2022, we entered into a SPA with 3i pursuant to which 3i committed to lend to us up to \$21 million pursuant to related convertible notes. The transaction contemplated that the borrowings would occur in two tranches, each in the gross amount of \$10.5 million. The first tranche, in the gross amount of \$10.5 million, was lent to us at or about the time we entered into the SPA. The second tranche under the SPA, can be drawn at our option, subject to satisfaction of certain conditions specified in the SPA, including, without limitation, (i) absence of an uncured event of default, as defined, (ii) there being a sufficient number of authorized but unissued shares of our common stock available for issuance, (iii) the daily volume weighted average price of our common stock exceeding \$1.50 for the twenty (20) trading days prior to the draw of the second tranche, (iv) the average daily trading volume of our common stock exceeding \$1.5 million for twenty (20) days prior to the draw of the second tranche, and (v) the outstanding balance of the first tranche being less than \$2 million. These conditions can be waived by the lender, but the lender has no obligation to do so. A number of the foregoing conditions have not been satisfied as of August 4, 2023, and we can provide no assurance that such conditions will be satisfied in the future to allow us to borrow the additional \$10.5 million under the SPA. In addition, to use equity rather than cash to repay the principal and interest under the convertible note, we must meet certain requirements, including that the average daily trading volume of our common stock exceeds \$500,000 for the twenty (20) trading days prior to the due date of the payment under promissory note. Our average daily trading volume has not consistently exceeded \$500,000, and we can provide no assurances that we will be able to meet this condition prior to any of the payment dates under the convertible note. Unless the lender waives this condition, we will be required to make the payments under the convertible note in cash.

If we fail to maintain an effective system of internal controls, our ability to produce timely and accurate financial statements or comply with applicable regulations could be adversely affected.

We are subject to the reporting requirements of the Securities Exchange Act of 1934, the Sarbanes-Oxley Act of 2002, and the rules and regulations of Nasdaq. We expect that the requirements of these rules and regulations will continue to increase our legal, accounting, and financial compliance costs, make some activities more difficult, time-consuming, and costly, and place significant strain on our personnel, systems, and resources.

The Sarbanes-Oxley Act requires, among other things, that we maintain effective disclosure controls and procedures and internal control over financial reporting. We are continuing to develop and refine our disclosure controls, internal control over financial reporting, and other procedures that are designed to ensure that information required to be disclosed by us in the reports that we will file with the SEC are recorded, processed, summarized, and reported within the time periods specified in the rules of and on the forms required by the SEC, and that information required to be disclosed in reports under the Exchange Act is accumulated and communicated to our principal executive and financial officers.

Our current controls, and any new controls that we develop, may be inadequate because of changes in conditions in our business. Further, weaknesses in our internal controls may be discovered in the future. Any failure to develop or maintain effective controls, or any difficulties encountered in their implementation or improvement, could adversely affect our operating results or cause us to fail to meet our reporting obligations, and may result in a restatement of our financial statements for prior periods. Any failure to implement and maintain effective internal controls also could adversely affect the results of periodic management evaluations and annual independent registered public accounting firm attestation reports regarding the effectiveness of our internal control over financial reporting that we are required to include in the periodic reports we will file with the SEC under Section 404 of the Sarbanes-Oxley Act. Ineffective disclosure controls and procedures and a lack of internal control over financial reporting could also cause investors to lose confidence in our reported financial and other information.

In order to maintain and improve the effectiveness of our disclosure controls and procedures and our internal control over financial reporting, we have expended, and anticipate that we will continue to expend, significant resources, including accounting-related costs, and provide significant management oversight. Any failure to maintain the adequacy of our internal controls, or consequent inability to produce accurate financial statements on a timely basis, could increase our operating costs and could materially and adversely affect our ability to operate our business. If our internal controls are perceived as inadequate or that we are unable to produce timely or accurate financial statements, investors may lose confidence in our operating results and the price of our common stock could decline.

Our independent registered public accounting firm is not required to formally attest to the effectiveness of our internal control over financial reporting until after we are no longer an emerging growth company. At such time, our independent registered public accounting firm may issue a report that is adverse in the event it is not satisfied with the level at which our controls are documented, designed, or operating. Any failure to maintain effective disclosure controls and internal control over financial reporting could have a material and adverse effect on our business and operating results.

A significant portion of the components used in our products are manufactured abroad, which subjects us to various international risks and costs, including foreign trade issues, currency exchange rate fluctuations, shipment delays, supply chain disruptions, and political instability, any of which could adversely affect our business and financial condition.

Most of our products, and the components thereof, are manufactured abroad. Relying on foreign-produced products subjects us to risks relating to changes in import duties, quotas, the potential for introduction of U.S. taxes on imported goods, the potential loss of “most favored nation” status with the U.S., and freight cost increases, as well as economic and political uncertainties. We may also experience shipment delays caused by shipping port constraints, labor strikes, work stoppages, acts of war, including the current conflict in Ukraine, and terrorism, or other supply chain disruptions, including those caused by extreme weather, natural disasters, and pandemics or other public health concerns. Specifically, the lingering effects of the COVID-19 pandemic has caused delays in the manufacturing and shipping of our products and the associated raw materials. To the extent the lingering effects of the COVID-19 pandemic results in continuation or worsening of manufacturing and shipping delays and constraints, our suppliers will continue to have challenges obtaining the materials necessary for the production of our products.

If any of these or other factors, including trade tensions between the U.S. and other nations, including China and Russia, as a result of the war in Ukraine or otherwise, were to cause a disruption of trade from other countries, and in particular, Taiwan, our ability to source products, components, or raw materials could be adversely affected. We may need to seek alternative suppliers or vendors, which may not be available, or make changes to our operations, any of which could have a material adverse effect on our business, results of operations, or financial condition. Also, the prices charged by foreign manufacturers for production or the acquisition of raw materials or components, may be affected by the fluctuation of their local currency against the U.S. dollar, which could cause the cost of our products to increase and negatively impact our business. In addition, if the supply of components for our products becomes more limited than we anticipated, competition to acquire the limited supply of components will drive prices higher than planned, negatively impacting our cash flows and gross margins.

Changes in tax laws or exposure to additional income tax liabilities could affect our future profitability.

Factors that could materially affect our future effective tax rates include, but are not limited, to:

- changes in tax laws (including tax rates) or the regulatory environment;

- changes in accounting and tax standards or practices;
- changes in the composition of operating income by tax jurisdiction; and
- our operating results before taxes.

Because we do not have a long history of operating at our present scale and we have significant expansion plans, our effective tax rate may fluctuate in the future. Future effective tax rates could be affected by operating losses in jurisdictions where no tax benefit can be recorded under GAAP, changes in the composition of earnings in countries with differing tax rates, changes in deferred tax assets and liabilities, or changes in tax laws.

On December 22, 2017, the Tax Cuts and Jobs Act of 2017, or the Tax Act, was signed into law making significant changes to the U.S. Tax Code. In particular, sweeping changes were made to the U.S. taxation of foreign operations. Changes include, but are not limited to, a permanent reduction to the corporate income tax rate, limiting interest deductions, adopting elements of a territorial tax system, assessing a repatriation tax or “toll-charge” on undistributed earnings and profits of U.S.-owned foreign corporations, and introducing certain anti-base erosion provisions, including a new minimum tax on global intangible low-taxed income, or GILTI, and base erosion and anti-abuse tax, or BEAT. The new legislation had no effect on our 2022 or 2021 provision for income taxes because we generated net tax losses and offset our deferred tax assets on the consolidated balance sheets with a full valuation allowance due to our current loss position and forecasted losses for the near future. The overall impact of this tax reform is uncertain, and our business and financial condition, including with respect to our non-U.S. operations, could be adversely affected.

In addition to the impact of the Tax Act on our federal taxes, the Tax Act may impact our taxation in other jurisdictions, including with respect to state income taxes. State legislatures have generally not responded to the Tax Act. Accordingly, there is uncertainty as to how the laws will apply in the various state jurisdictions. Additionally, other foreign governing bodies may enact changes to their tax laws in reaction to the Tax Act that could result in changes to our global tax position and materially and adversely affect our business, results of operations, and financial condition. Additionally, the Internal Revenue Service, or IRS, and several foreign tax authorities have increasingly focused attention on intercompany transfer pricing with respect to sales of products and services and the use of intangibles. Tax authorities could disagree with our future intercompany charges, cross-jurisdictional transfer pricing, or other matters and assess additional taxes. If we do not prevail in any such disagreements, our profitability may be affected.

Our ability to use our net operating loss carryforwards and certain other tax attributes may be limited.

As of December 31, 2022, we had approximately \$184 million of U.S. federal, and approximately \$127.6 million of state net operating loss carryforwards available to reduce future taxable income. Of the approximately \$184 million in U.S. federal operating loss carryforwards, approximately \$171.8 million will be carried forward indefinitely for U.S. federal tax purposes and approximately \$12.3 million will begin to expire in 2033. All of our U.S. state net operating loss carryforwards will expire between 2029 and 2041. It is possible that we will not generate taxable income in time to use these net operating loss carryforwards before their expiration, or at all. Under legislative changes made in December 2017, U.S. federal net operating losses incurred in 2018 and in future years may be carried forward indefinitely, but the deductibility of such net operating losses is limited. It is uncertain if and to what extent various states will conform to the newly enacted federal tax law. In addition, the federal and state net operating loss carryforwards and certain tax credits may be subject to significant limitations under Section 382 and Section 383 of the U.S. Tax Code, respectively, and similar provisions of state law. Under those sections of the U.S. Tax Code, if a corporation undergoes an “ownership change,” the corporation’s ability to use pre-change net operating loss carryforwards and other pre-change attributes, such as research tax credits, to offset our post-change income or tax may be limited. In general, an “ownership change” will occur if there is a cumulative change in our ownership by “5-percent shareholders” that exceeds 50 percentage points over a rolling three-year period. Similar rules may apply under state tax laws.

We are highly dependent on the services of our executive officers, in particular Luis Dussan, one of our founders and Chief Technology Officer, and Matthew Fisch, our Chief Executive Officer.

We are highly dependent on our executive officers, in particular, one of our founders, Luis Dussan, our Chief Technology Officer, and Matthew Fisch, our Chief Executive Officer. Mr. Dussan created our solution platform and remains deeply involved in our business, particularly in technology development. Mr. Fisch recently joined us to lead our growth and expansion strategy and his exceptional leadership skills, technical knowledge, and industry insight are critical to us.

In addition, we are also dependent on the services of our other executive officers, including Andrew S. Hughes, our General Counsel, T. R. Ramachandran, our Chief Operating Officer, and Conor Tierney, our Chief Financial Officer. The loss of any of our executive officers or other senior executives could adversely affect our business because the loss could make it more difficult to, among other things, compete with other market participants, continue to develop innovative product designs, and retain existing customers or cultivate new ones. Negative public perception of, or negative news related to any of our executive officers or senior executives may adversely affect our brand, relationship with customers, or standing in the industry.

Our business depends substantially on the efforts of our executive officers and highly skilled personnel, and our operations may be severely disrupted if we lost their services.

Competition for highly skilled personnel is often intense, especially in the San Francisco Bay Area, where we are headquartered, and we may incur significant costs to attract the highly skilled personnel we require. We may not be successful in attracting, integrating, or retaining qualified personnel to fulfill our current or future needs. We have, from time to time, experienced, and we expect to continue to experience, difficulty in hiring and retaining highly skilled employees with appropriate qualifications, especially those with engineering skills.

In addition, job candidates and existing employees often consider the value of the equity awards they receive in connection with their employment. If the perceived value of our equity or our equity awards decline, it may adversely affect our ability to retain highly skilled employees. If we fail to attract new personnel or we fail to retain and motivate our current personnel, our business and future growth prospects could be adversely affected.

Our business is subject to the risks of earthquakes, fires, floods, and other natural catastrophic events, pandemics, and interruptions by manufactured events, such as terrorism. Material disruptions of our business or information systems resulting from these events could adversely affect our operating results.

A significant natural disaster, such as an earthquake, fire, flood, hurricane, or significant power outage or other similar events, such as infectious disease outbreaks or pandemic events, including the lingering effects of the COVID-19 pandemic, could have an adverse effect on our business and operating results. The lingering effects of the COVID-19 pandemic may have the effect of heightening many of the other risks described in this “Risk Factors” section, such as the demand for our products, our ability to achieve or maintain profitability, and our ability to raise additional capital in the future. Our corporate headquarters and major operations are located in the San Francisco Bay Area of California, which experienced, and could experience again, a high number of COVID-19 pandemic cases and is also a region known for significant seismic activity. In addition, natural disasters, acts of terrorism, or war could cause disruptions in our operations, our or our customers’ or channel partners’ businesses, our suppliers’ businesses, or the economy as a whole. We also rely on information technology systems to communicate among our workforce and with third parties. Any disruption to our communications, whether caused by a natural disaster or by manufactured events, such as power disruptions, could adversely affect our business. We do not have a formal disaster recovery plan or policy in place and do not currently require that our suppliers have such plans or policies in place. To the extent that any such disruptions result in delays or cancellations of orders or impede our suppliers’ ability to timely deliver components, or the deployment of our products, our business, operating results, and financial condition would be adversely affected.

Interruption or failure of our information technology and communications systems could impact our ability to effectively provide services we may implement in the future.

We may, in the future, include in-vehicle services and functionality that utilize data connectivity to monitor performance and timely capture opportunities to enhance performance and functionality. The availability and effectiveness of our services depend on the continued operation of information technology and communications systems. Our systems will be vulnerable to damage or interruption from, among others, physical theft, fire, terrorist attacks, natural disasters, power loss, war, telecommunication failures, viruses, denial or degradation of service

attacks, ransomware, social engineering schemes, insider theft or misuse, or other attempts to harm our systems. We primarily utilize reputable third-party service providers and vendors for our data, including among other things, financial data, human resources data, manufacturing and production data, sales data, and electronic mail, other than for our source code and related materials that are managed internally. These third-party providers could also be vulnerable to issues similar to those that could damage our systems, including sabotage and intentional acts of vandalism causing potential disruptions. Some of our systems will not be fully redundant, and our disaster recovery planning cannot account for all eventualities. Any problems with our third-party cloud hosting providers could result in lengthy interruptions in our business. In addition, our future in-vehicle services and functionality, if developed and deployed, are expected to be highly technical and complex technology which may contain errors or vulnerabilities that could result in interruptions in our business or the failure of our systems.

We, as well as our suppliers and partners, are subject to cybersecurity risks to operational systems, security systems, infrastructure, integrated software in our lidar solutions, and the data processed by those solutions, and any material failure, weakness, interruption, cyber event, incident, or breach of security could adversely affect our business by causing a disruption of our operations, a compromise or corruption of our confidential or other business-critical information, and/or damage our business relationships, all of which could negatively impact our business financial condition, and operating results.

We are at risk for interruptions, outages, and breaches of our operational systems, including our business, financial, accounting, product development, and production processes, owned by us, our suppliers, or our partners; our facility security systems, owned by us, our suppliers, or our partners; our in-product technology owned by us, our suppliers, or our partners; the integrated software in our or our partners' lidar solutions; or the data that we process or our suppliers process on our behalf. In mid-2022, our partner, Continental, experienced a cyberattack in which data was improperly taken from their servers. To date, Continental has not notified us that any data belonging to us was compromised. A cyber incident is considered to be any adverse event that threatens the confidentiality, integrity, or availability of our information resources. These incidents may be an intentional attack or an unintentional event and could involve gaining unauthorized access to our information systems or those of our third-party vendors for purposes of misappropriating assets, stealing confidential information, corrupting data, or causing operational disruption. Such cyber incidents could materially disrupt operational systems; result in loss of intellectual property, trade secrets, or other proprietary or competitively sensitive information; compromise certain information of employees, suppliers, or others; jeopardize the security of our facilities; or affect the performance of in-product technology and the integrated software in our lidar solutions. A cyber incident could be caused by disasters, insiders (through inadvertence or with malicious intent), or malicious third parties (including nation-states or nation-state supported actors) using sophisticated, targeted methods to circumvent firewalls, encryption, and other security defenses, including hacking, fraud, trickery, phishing, or other forms of deception. The risks of a cybersecurity breach against companies based in the U.S., like us, may be enhanced as a byproduct of the on-going war in Ukraine, or by state-sponsored actors, primarily located in, or sponsored by, China, Russia, or North Korea. Despite careful security and controls design, our information technology systems and the systems used by our third-party vendors, may be subject to security breaches and cyberattacks the result of which could include disrupted operations, misstated or unreliable financial data, liability for stolen assets or information, increased cybersecurity protection and insurance costs, litigation, and damage to business relationships.

The techniques used by cyber attackers change frequently and may be difficult to detect for long periods of time. Continental, for example, failed to provide notice of the mid-2022 breach to us for about one month. Although we maintain information technology measures designed to protect us against intellectual property theft, data breaches, and other cyber incidents, such measures will require continual updates and improvements, and we cannot guarantee that such measures will be adequate to detect, prevent, or mitigate cyber incidents. The implementation, maintenance, segregation, and improvement of these systems requires significant management time, support, and cost. Moreover, there are inherent risks associated with developing, improving, expanding, and updating current systems, including the disruption of our data management, procurement, production execution, finance, supply chain, and sales and service processes. These risks may affect our ability to manage our data and inventory; procure parts or supplies; produce, sell, deliver, or service our solutions; adequately protect our intellectual property; or achieve and maintain compliance with, or realize available benefits under, applicable laws, regulations, and contracts. We cannot be sure that the systems upon which we rely, including those of our third-party vendors or suppliers, will be effectively implemented, maintained, or expanded as planned. If we do not successfully implement, maintain, or expand these systems as planned, our operations may be disrupted, our ability to accurately and timely report our financial results could be impaired, and deficiencies may arise in our internal control over financial reporting, which may impact our ability to certify our financial results. Moreover, our proprietary information or intellectual property could be compromised or misappropriated, and our reputation may be adversely affected. If these systems do not operate as we expect them to, we may be required to expend significant resources to make corrections or find alternative sources for performing these functions. We have implemented processes, procedures, and internal controls to help mitigate cybersecurity risks and cyber intrusions, but these measures, as well as our increased awareness of the nature and extent of a risk of a cyber-incident, do not

guarantee that a cyber-incident will not occur and/or that our financial results, operations, or confidential information will not be negatively impacted by such an incident. Further, the remote working conditions resulting from the cultural shifts during and after the COVID-19 pandemic have heightened our vulnerability to a cybersecurity risk or incident.

A significant cyber incident could impact production capability, harm our reputation, cause us to breach our contracts with other parties, or subject us to regulatory actions and litigation, any of which could materially affect our business, prospects, financial condition, and operating results. In addition, our insurance coverage for cyber-attacks may not be sufficient to cover all the losses we may experience as a result of a cyber incident.

Our cash and cash equivalents could be adversely affected if the financial institutions in which we hold our cash and cash equivalents fail.

We regularly maintain cash balances at third-party financial institutions, including Silicon Valley Bank, or SVB, in excess of the Federal Deposit Insurance Corporation insurance limit. When SVB was seized by regulators in March of 2023, we maintained our operating account at SVB. Shortly after the seizure by regulators, all of our funds were returned to us. Had the funds not been returned to us, it would have had a significant impact on our liquidity. We continue to maintain an operating account at SVB, but have established operating accounts at other financial institutions as well to mitigate the risk of any one bank failure. However, the failure of any depository institution to return any of our deposits, or if a depository institution is subject to other adverse conditions in the financial or credit markets, could impact access to our cash or cash equivalents and could adversely impact our operating liquidity and financial performance.

Legal and Regulatory Risks Related to Our Business

We are subject to governmental import and export control laws and regulations. Our failure to comply with these laws and regulations could have an adverse effect on our business, prospects, financial condition, and results of operations.

Our products and solutions are subject to import and export laws and regulations, including the U.S. Export Administration Regulations, other regulations issued by U.S. Customs and Border Protection, and various economic and trade sanctions administered by the U.S. Treasury Department's Office of Foreign Assets Control. U.S. export control laws and regulations and economic sanctions prohibit the shipment of certain products and services to U.S. embargoed or sanctioned countries, and specified persons and entities. In addition, complying with export control and sanctions regulations for a particular sale may be time-consuming and result in the delay or loss of sales opportunities. Exports of our products and technology must be made in compliance with these laws and regulations. If we fail to comply with these laws and regulations, we and certain of our employees could be subject to substantial civil or criminal penalties, including the possible loss of export or import privileges, and fines, which may be imposed on us and the employees or officers responsible to prohibit such shipments and, in extreme cases, the incarceration of the employees or officers responsible.

Changes to trade policy, tariffs, and import/export regulations may have a material adverse effect on our business, financial condition, and results of operations.

Changes in global political, regulatory, and economic conditions or in laws and policies governing foreign trade, manufacturing, development, and investment in the territories or countries where we currently purchase our components, sell our products, and conduct our business, could adversely affect our business. The U.S. has recently instituted or proposed changes in trade policies that include the negotiation or termination of trade agreements, the imposition of higher tariffs on imports into the U.S., economic sanctions on individuals, corporations, and countries, and other government regulations affecting trade between the U.S. and other countries where we conduct our business. A number of other nations have proposed or instituted similar measures directed at trade with the U.S. in response. As a result of these developments, there may be greater restrictions and economic disincentives on international trade that could adversely affect our business. For example, such changes could adversely affect the automotive market, our ability to access key components or raw materials needed to manufacture our products (including rare earth metals), our ability to sell our products or license our product designs and software to customers outside of the U.S., and the overall demand for our products. It may be time-consuming and expensive for us to alter our business operations to adapt to or comply with any such changes, and any failure to do so could have a material adverse effect on our business, financial condition, and results of operations.

We have and may become involved in legal and regulatory proceedings and commercial or contractual disputes, which could have an adverse effect on our profitability and consolidated financial position.

We have been and may be, from time to time, involved in litigation, regulatory proceedings, and commercial or contractual disputes that may be significant. These matters may include disputes with our suppliers and customers, intellectual property claims, stockholder litigation, government investigations, class action lawsuits, personal injury claims, environmental issues, customs and value-added tax disputes, and employment and tax issues. Recently, we discovered that there may have been some uncertainty with respect to the validity of our Second Amended and Restated Certificate of Incorporation, which was approved by our stockholders at the special meeting of stockholders held on August 12, 2021. While this matter has been resolved, we cannot provide assurances that other matters similar in nature may not arise in the future.

We could face in the future, a variety of labor and employment claims against us, which could include, but is not limited to, general discrimination, wage and hour, privacy, ERISA, or disability claims. In such matters, government agencies or private parties may seek to recover from us very large, indeterminate amounts in penalties or monetary damages (including, in some cases, treble or punitive damages), or seek to limit our operations in some way.

Any of these types of lawsuits, whether initiated by us or a third party, could require significant management time and attention or could involve substantial legal liability, adverse regulatory outcomes, and/or substantial expenses to defend. Often these cases raise complex factual and legal issues and create risks and uncertainties. No assurances can be given that any proceedings or claims will not have a material adverse impact on our operating results and consolidated financial position or that our established reserves or our available insurance will mitigate this impact.

Unforeseen issues could result in damage to certain property which could result in adverse effects on our business and reputation.

Our lidar utilizes lasers for performing 3D sensing. While we have developed system components designed to prevent our lidar lasers from causing property damage (including to cameras), in the event an unforeseen issue arises that results in property damage, our reputation or brand may be damaged and we could face material legal claims for breach of contract, product liability, tort, or breach of warranty as a result. Defending a lawsuit, regardless of our merit, could be costly and may divert management's attention and adversely affect the market's perception of us and our products. In addition, our business liability insurance coverage could prove inadequate with respect to any claim and future coverage may be unavailable on acceptable terms, or at all.

We are subject to, and must remain in compliance with, numerous laws and governmental regulations concerning the manufacturing, use, distribution, and sale of our products. Some of our customers also require that we comply with the customers' own unique requirements relating to these matters.

We manufacture and sell products that contain electronic components, and such components may contain materials that are subject to government regulation in both the locations where we manufacture and assemble our products, as well as the locations where we sell our products. For example, certain regulations limit the use of lead in electronic components. Since we operate on a global basis, ensuring simultaneous compliance in multiple jurisdictions is a complex process which requires continual monitoring of regulations and an ongoing compliance process to ensure we and our suppliers are in compliance with existing regulations in each market where we operate. If new, unanticipated regulations significantly impact our use and sourcing of various components or require more expensive components, those regulations could materially and adversely affect our business, results of operations, and financial condition.

Our products are used for autonomous driving and ADAS applications, which are subject to complicated regulatory schemes that vary from jurisdiction to jurisdiction. These are rapidly evolving areas where new regulations could impose limitations on the use of lidar generally or our products specifically. If we fail to adhere to these new regulations or fail to continually monitor the updates, we may be subject to litigation, loss of customers, or negative publicity and our business, results of operations, and financial condition will be adversely affected.

We are subject to various environmental laws and regulations that could impose substantial costs upon us and cause delays in building our production facilities.

Concerns over environmental pollution and climate change have produced significant legislative and

regulatory efforts on a global basis, and we believe this will continue both in scope and in the number of countries participating. In addition, as climate change issues become more prevalent, foreign, federal, state, and local governments and our customers have been responding to these issues. The increased focus on environmental sustainability may result in new regulations and customer requirements, or changes in current regulations and customer requirements, which could materially and adversely impact our business, results of operations, and financial condition. If we are unable to effectively manage real or perceived issues, including concerns about environmental impacts or similar matters, sentiments toward us or our products could be negatively impacted, and our business, results of operations, and financial condition could suffer.

Our operations are and will be subject to international, federal, state, and local environmental laws and regulations, and such laws and regulations could directly increase the cost of energy, which may have an effect on the way we manufacture products or utilize energy to produce our products. In addition, any new environmental regulations or laws might increase the cost of raw materials or key components we use in our products. Environmental regulations require us to reduce product energy usage, monitor and exclude an expanding list of restricted substances, and participate in required recovery and recycling of our products. Environmental and health and safety laws and regulations can be complex, and we have limited experience complying with such laws and regulations. Capital and operating expenses needed to comply with environmental laws and regulations can be significant, and violations may result in substantial fines and penalties, damages, suspension of production, or a cessation of our operations.

Contamination at properties we currently operate at, where we formerly operated, or to which hazardous substances were sent by us, may subject us to liability pursuant to environmental laws and regulations, including, but not limited to, the Comprehensive Environmental Response, Compensation and Liability Act, which can impose liability for the full amount of remediation-related costs without regard to fault, for the investigation and cleanup of contaminated soil and ground water, for remediating contamination and impacts to human health, and for damages to natural resources. The costs of complying with environmental laws and regulations and any claims concerning noncompliance, or liability with respect to contamination in the future, could have a material adverse effect on our financial condition or operating results. We may face unexpected delays in obtaining the requisite permit and approvals in connection with our planned production facilities that could require significant time and financial resources and delay our ability to operate these facilities, which would adversely impact our business, prospects, financial condition, and operating results.

We are subject to U.S. and foreign anti-corruption and anti-money laundering laws and regulations. We can face criminal liability and other serious consequences for violations, which can harm our business.

We are subject to the U.S. Foreign Corrupt Practices Act of 1977, as amended, the U.S. domestic bribery statute contained in 18 U.S.C. § 201, the U.S. Travel Act, the USA PATRIOT Act, and other anti-bribery and anti-money laundering laws in countries in which we conduct activities. Anti-corruption laws are interpreted broadly and prohibit companies and their employees, agents, contractors, and other collaborators from authorizing, promising, offering, or providing, directly or indirectly, improper payments or anything else of value to recipients in the public or private sector. We can be held liable for the corrupt or other illegal activities of our employees, agents, contractors, and other collaborators, even if we do not explicitly authorize or have actual knowledge of such activities. Any violations of the laws and regulations described above may result in substantial civil and criminal fines and penalties, imprisonment, the loss of export or import privileges, debarment, tax reassessments, breach of contract and fraud litigation, reputational harm, and other consequences.

Our business may be adversely affected by changes in regulations of automobiles and lasers or concerns that drive further regulation of the automotive and laser markets.

Government product safety regulations are an important factor for our business. Historically, these regulations imposed ever-more stringent safety regulations for automobiles and laser products. These safety regulations often require, or customers demand, automobiles have more safety features per vehicle and incorporate more advanced safety products.

While we believe increasing automotive and laser safety standards will present a market opportunity for our products, governmental safety regulations are subject to change based on a number of factors that are not within our control, including new scientific or technological data, adverse publicity regarding industry recalls and safety risks of autonomous driving and ADAS products, accidents involving our products, domestic and foreign political developments or considerations, and litigation relating to our products and our competitors' products. Changes in government regulations, especially in the autonomous driving and ADAS industries could adversely affect our

business. If government priorities shift and we are unable to adapt to changing regulations, our business may be materially and adversely affected.

Federal, state, and local regulators impose more stringent compliance and reporting requirements in response to product recalls and safety issues in the automotive industry. As the cars that utilize our sensors go into production, we will be subject to the existing stringent requirements of the National Traffic and Motor Vehicle Safety Act of 1966, or the Vehicle Safety Act, including a duty to report, subject to strict timing requirements, safety defects with our products. The Vehicle Safety Act imposes potentially significant civil penalties for violations, including the failure to comply with such reporting actions. We are also subject to the existing U.S. Transportation Recall Enhancement, Accountability and Documentation Act, or TREAD, which requires equipment manufacturers, such as us, to comply with “early warning” requirements by reporting certain information to the National Highway Traffic Safety Administration, or NHTSA, such as information related to defects or reports of injury related to our products. TREAD imposes criminal liability for violating such requirements if a defect subsequently causes death or bodily injury. In addition, the Vehicle Safety Act authorizes NHTSA to require a manufacturer to recall and repair vehicles that contain safety defects or fail to comply with U.S. federal motor vehicle safety standards. Sales into foreign countries may be subject to similar regulations. If we cannot rapidly address any safety concerns or defects with our products, our business, results of operations, and financial condition may be adversely affected.

The adoption of autonomous and ADAS features by automotive OEMs may be delayed and our business impacted, as additional emissions and safety requirements are imposed on vehicle manufacturers.

Vehicle regulators globally continue to consider new and enhanced emissions requirements, including electrification, to meet environmental and economic needs as well as pursue new safety standards to address emerging traffic risks. To control new vehicle prices, among other concerns, automotive OEMs may need to dedicate technology and cost additions to new vehicle designs to meet these emissions and safety requirements and postpone the additional costs associated with new autonomous and ADAS features.

Our business may be adversely affected if we fail to comply with the regulatory requirements under the Federal Food, Drug, and Cosmetic Act or other requirements imposed by the Food and Drug Administration, or FDA.

As a lidar technology company, we are subject to the Electronic Product Radiation Control Provisions of the Federal Food, Drug, and Cosmetic Act. These requirements are enforced by the FDA. Electronic product radiation includes laser technology. Regulations governing these products are intended to protect the public from hazardous and unnecessary exposure. Manufacturers are required to certify by way of product labeling and reports to the FDA that their products comply with applicable performance standards as well as maintain manufacturing, testing, and distribution records for their products. Failure to comply with these requirements could result in enforcement action by the FDA, which could require us to cease distribution of our products, recall or remediate products already distributed to customers, or subject us to FDA enforcement actions.

Failures, or perceived failures, to comply with privacy, data protection, and information security requirements in the variety of jurisdictions in which we operate, may adversely impact our business, and such legal requirements are evolving, uncertain, and may require improvements in, or changes to, our policies and operations.

Our current and potential future operations and sales subject us to existing and future laws and regulations addressing privacy and the collection, use, storage, disclosure, transfer, and protection of various types of data. For example, the European Commission has adopted the General Data Protection Regulation, or GDPR, and California enacted the California Consumer Privacy Act of 2018, both of which provide for potentially material penalties for non-compliance. These statutory regimes may, among other things, impose data security requirements, disclosure requirements, and restrictions on data collection, uses, and sharing that may impact our operations and the development of our business. While, generally, we do not have access to, collect, store, process, or share information collected by our solutions, unless our customers choose to proactively provide such information to us, our products may evolve both to address potential customer requirements or to add new features and functionality. Therefore, the full impact of these privacy regimes on our business is rapidly evolving across jurisdictions and remains uncertain at this time.

We may also be affected by cyber-attacks and other means of gaining unauthorized access to our products, systems, and data. For instance, cyber criminals or insiders may target us or third parties with which we have a business relationship in order to obtain data, or in a manner that disrupts our operations or compromises our products, or the systems into which our products are integrated.

We are assessing the continually evolving privacy and data security regimes and measures we believe are appropriate in response. Since these privacy and data security regimes are evolving, uncertain, and complex, especially for a global business like ours, we may need to update or enhance our compliance measures as our products, markets, and customer demands further develop, and these updates or enhancements may require implementation costs, which may be material. In addition, we may not be able to monitor and react to all developments in a timely manner. The compliance measures we adopt may prove ineffective. Any failure, or perceived failure, by us to comply with current and future regulatory or customer-driven privacy, data protection, and information security requirements, or to prevent or mitigate security breaches, cyber-attacks, or improper access to, use of, or disclosure of data, or any security issues or cyber-attacks affecting us, could result in significant liability, costs (including the costs of mitigation and recovery), and a material loss of revenue resulting from the adverse impact on our reputation and brand, loss of proprietary information and data, disruption to our business and relationships, and diminished ability to retain or attract customers and business partners. Such events may result in governmental enforcement actions and prosecutions, private litigation, fines and penalties or adverse publicity, and could cause our customers and business partners to lose trust in us, which could have an adverse effect on our reputation and business.

Regulations related to conflict minerals may cause us to incur additional expenses and could limit the supply and increase the costs of certain metals used in the manufacturing of our products.

We are subject to the requirements of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010, or the Dodd-Frank Act, which requires us to determine, disclose, and report whether our products contain metals sourced from specified geographies; these metals are generally referred to as “conflict minerals.” The implementation of these requirements could adversely affect the sourcing, availability, and pricing of the materials used in the manufacture of components used in our products. In addition, we will incur additional costs to comply with the disclosure requirements, including costs related to conducting diligence procedures to determine the sources of conflict minerals that may be used in or necessary to the production of our products and, if applicable, potential changes to products, processes, or sources of supply as a consequence of such verification activities. It is also possible that our reputation may be adversely affected if we determine that certain of our products contain minerals not determined to be conflict-free or if we are unable to alter our products, processes, or sources of supply to avoid use of such materials.

Risks Related to Our Intellectual Property

Despite the actions we take to defend and protect our intellectual property, we may not be able to adequately protect or enforce our intellectual property rights or prevent unauthorized parties from copying or reverse engineering our solutions. Our efforts to protect and enforce our intellectual property rights and prevent third parties from violating our rights may be costly.

The success of our products and our business depends in large part on our ability to obtain patents and other intellectual property rights and maintain adequate legal protection for our products in the United States and other foreign jurisdictions. We rely on a combination of patent, trademark, copyright, and trade secret laws, as well as confidentiality agreements and other contractual restrictions, to establish and protect our proprietary rights, all of which can only provide limited protection.

We cannot guarantee that any patents will be issued with respect to our currently pending patent applications or that any trademarks will be registered with respect to our currently pending applications in a manner that gives us adequate defensive protection or competitive advantages, if at all, or that any patents issued to us or any trademarks registered by us will not be challenged, invalidated, or circumvented. We have filed for patents and trademarks in the United States and in certain foreign jurisdictions, but such protections may not be available in all countries in which we operate or in which we seek to enforce our intellectual property rights, or may be difficult to enforce in practice. Our currently issued patents and trademarks, and any patents and trademarks that may be issued or registered, as applicable, in the future with respect to pending or future applications, may not provide sufficiently broad protection or may not prove to be enforceable in actions against alleged infringers. We cannot be certain that the steps we have taken will prevent unauthorized use of our technology or the reverse engineering of our technology. Moreover, others may independently develop technologies that are competitive to us or infringe our intellectual property.

Protecting against the unauthorized use of our intellectual property, products, and other proprietary rights is expensive and can be difficult, particularly outside of the United States. Unauthorized parties may attempt to copy or reverse engineer our lidar technology or certain aspects of our solutions that we consider proprietary. Litigation

may be necessary in the future to enforce or defend our intellectual property rights, to prevent unauthorized parties from copying or reverse engineering our solutions, to determine the validity and scope of the proprietary rights of others, or to block the importation of infringing products into the United States.

Any such litigation, whether initiated by us or a third party, could result in substantial costs and diversion of management resources, either of which could adversely affect our business, operating results, and financial condition. Even if we obtain favorable outcomes in litigation, we may not be able to enforce the remedies, especially in the context of unauthorized parties copying or reverse engineering our solutions.

Further, many of our current and potential competitors may have the ability to dedicate substantially greater resources to defending intellectual property infringement claims and to enforcing their intellectual property rights than we can. Attempts to enforce our rights against third parties could also provoke these third parties to assert their own intellectual property or other rights against us or result in a decision that invalidates or narrows the scope of our rights, in whole or in part. Effective patent, trademark, copyright, and trade secret protection may not be available in every country in which our products are available, and competitors based in other countries may sell infringing products in one or more markets. Failure to adequately protect our intellectual property rights could result in our competitors offering similar products, potentially resulting in the loss of some of our competitive advantage and a decrease in our revenue, which would adversely affect our business, operating results, financial condition, and prospects.

Third-party claims that we are infringing intellectual property, whether successful or not, could subject us to costly and time-consuming litigation or expensive licenses, and our business could be adversely affected.

Although we believe we hold key patents related to our products, a number of companies, both within and outside of the lidar industry, hold other patents covering various aspects of lidar products. In addition to these patents, participants in this industry typically also protect their technology, especially embedded software, through copyrights and trade secrets. As a result, there is frequent litigation based on allegations of infringement, misappropriation, or other violations of intellectual property rights. We have received, and in the future may receive, inquiries from other intellectual property holders and may become subject to claims that we infringe their intellectual property rights, particularly as we expand our presence in the market, expand to new use cases, and face increasing competition. In addition, parties may claim that the names and branding of our products infringe their trademark rights in certain countries or territories. If such a claim were to prevail, we may have to change the names and branding of our products in the affected territories, and we could incur other costs.

We currently have a number of agreements in effect pursuant to which we have agreed to defend, indemnify, and hold harmless our customers, suppliers, and channel partners and other partners from damages and costs which may arise from the infringement of our products by third-party patents or other intellectual property rights. The scope of these indemnity obligations varies, but may, in some instances, include indemnification for damages and expenses, including attorneys' fees. Our insurance may not cover all intellectual property infringement claims. A claim that our products infringe a third party's intellectual property rights, even if untrue, could adversely affect our relationships with our customers, may deter future customers from purchasing our products, and could expose us to costly litigation and settlement expenses. Even if we are not a party to any litigation between a customer and a third party relating to the infringement of our products, an adverse outcome in any such litigation could make it more difficult for us to defend our products against intellectual property infringement claims in any subsequent litigation in which we are a named party. Any of these results could adversely affect our brand and operating results.

Our defense of intellectual property rights claims brought against us or our customers, suppliers, or channel partners, with or without merit, could be time-consuming, expensive to litigate or settle, divert management resources and attention, and force us to acquire intellectual property rights and licenses, which may involve substantial royalty or other payments and may not be available on acceptable terms, or at all. Further, a party making such a claim, if successful, could secure a judgment that requires us to pay substantial damages or obtain an injunction prohibiting us from continuing to sell certain products. An adverse determination also could invalidate our intellectual property rights and could adversely affect our ability to offer our products to our customers and may require that we procure or develop substitute products that do not infringe, which could require significant effort and expense. Any of these events could adversely affect our business, operating results, financial condition, and prospects.

Any patent applications we file may not ultimately issue or be registered as we anticipated, or at all, which may have a material adverse effect on our ability to prevent others from commercially exploiting products similar to ours.

We cannot be certain that we are the first inventor of the subject matter to which we have filed a particular patent application, or if we are the first party to file such a patent application. If another party has filed a patent application regarding the same subject matter as we have, we may not be entitled to the protection sought by the patent application. We also cannot be certain whether the claims included in a patent application will ultimately be allowed in the applicable issued patent. Further, the scope of protection of issued patent claims is often difficult to determine. As a result, we cannot be certain that the patent applications that we file will ultimately issue, or that our issued patents will afford protection against competitors with similar technology. In addition, our competitors may design around our issued patents, which may adversely affect our business, prospects, financial condition, and operating results.

In addition to patented technology, we rely on our unpatented proprietary technology, trade secrets, processes, and know-how.

We rely on trade secrets, designs, manufacturing know-how, and confidential information to protect intellectual property that may not be patentable or subject to copyright, trademark, trade dress, or service mark protection, or that we believe is best protected by means that do not require public disclosure. We generally seek to protect this information by entering into confidentiality agreements, or consulting services or employment agreements that contain non-disclosure and non-use provisions with our employees, consultants, contractors, commercial partners, vendors, and other third parties. However, we may fail to enter into the necessary agreements, and even if entered into, these agreements may be breached or may otherwise fail to provide adequate protection, prevent disclosure, third-party infringement, or misappropriation of our trade secrets, may be limited as to their term, and may not provide an adequate remedy in the event of unauthorized disclosure or use of proprietary information. We have limited control over the protection of trade secrets used by our current or future manufacturing partners and suppliers and could lose future trade secret protection if any unauthorized disclosure of such information occurs. In addition, our proprietary information may otherwise become known or be independently developed by our competitors or other third parties. To the extent that our employees, consultants, contractors, advisors, and other third parties use intellectual property owned by others in their work for us or designated in the agreements between such parties and us to be jointly owned, disputes may arise as to the rights in related or resulting know-how and inventions. Costly and time-consuming litigation could be necessary to enforce and determine the scope of our proprietary rights, and failure to obtain or maintain protection for our proprietary information could adversely affect our competitive business position. Furthermore, laws regarding trade secret rights in certain markets where we operate may afford little or no protection to our trade secrets.

We also rely on physical and electronic security measures to protect our proprietary information, but we cannot provide assurance that these security measures will not be breached or will provide adequate protection for our property. There is a risk that third parties may obtain and improperly utilize our proprietary information to our competitive disadvantage. We may not be able to detect or prevent the unauthorized use of such information or take appropriate and timely steps to enforce our intellectual property rights.

We employ third-party licensed software for use in our business, and the inability to maintain these licenses, errors in the software, or the terms of open source licenses could result in increased costs or reduced service levels, which would adversely affect our business.

Our business relies on certain third-party software obtained under licenses from other companies. We anticipate that it will continue to rely on such third-party software in the future. Although we believe that there are commercially reasonable alternatives to the third-party software we currently license, these alternatives may not always be available, or it may be difficult or costly to switch to an alternative. In addition, integration of new third-party software may require significant work and require substantial investment of our time and resources. Our use of additional or alternative third-party software would require us to enter into license agreements with third parties, which may not be available on commercially reasonable terms, or at all. Many of the risks associated with the use of third-party software cannot be eliminated, and these risks could negatively affect our business.

Some of the third-party software used by us is licensed under the terms of open source software licenses. Companies that incorporate open source software into their technologies have, from time to time, faced claims challenging the use of open source software and/or compliance with open source license terms. As a result, we could be subject to lawsuits by parties claiming ownership of what we believe to be open source software or

claiming noncompliance with open source licensing terms. Some open source software licenses require users who distribute such software to publicly disclose all or part of the source code to such software and/or make available any derivative works of the open source code, which could include valuable proprietary code of the user, on unfavorable terms or at no cost. While we monitor the use of open source software and attempt to ensure that open source software is not used in a manner that would require us to disclose our internally developed source code or that would otherwise breach the terms of an open source agreement, such use could inadvertently occur. Any requirement to disclose our internally developed source code or pay damages for breach of contract or copyright infringement could have a material adverse effect on our business, financial condition, and results of operations and could help our competitors develop services that are similar to or better than ours.

We may be subject to damages resulting from claims that we or our employees have wrongfully used or disclosed alleged trade secrets of our employees' former employers.

We may be subject to claims that we or our employees have inadvertently or otherwise used or disclosed trade secrets or other proprietary information of an employee's former employer. Litigation may be necessary to defend against these claims. If we fail to adequately defend such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights or personnel. A loss of key personnel or their work product could hamper or prevent our ability to commercialize our products, which could severely harm our business. Even if we are successful in defending against these claims, litigation could result in substantial costs and demand on management resources.

Risks Related to Being a Public Company

We will incur increased costs as a result of operating as a public company, and our management will devote substantial time to compliance initiatives.

We expect to incur significant legal, accounting, and other expenses that we did not incur as a private company, and these expenses will likely increase more after we are no longer an emerging growth company, as defined in Section 2(a) of the Securities Act. As a public company, we will be subject to the reporting requirements of the Exchange Act, the Sarbanes-Oxley Act, and the Dodd-Frank Act, as well as rules adopted, and to be adopted, by the SEC and Nasdaq. Our management and other personnel will need to devote a substantial amount of time to these compliance initiatives. Moreover, we expect these rules and regulations to substantially increase our legal and financial compliance costs and to make some activities more time-consuming and costly. These increased costs will increase our net loss. For example, we expect these rules and regulations could make it more difficult or more expensive for us to obtain director and officer liability insurance and we may be forced to accept reduced policy limits or incur substantially higher costs to maintain the same or similar coverage. We cannot predict or estimate the amount or timing of additional costs we may incur to respond to these requirements. The impact of these requirements could also make it more difficult for us to attract and retain qualified persons to serve on our board of directors, our board committees, or as executive officers.

Additionally, there continues to be public interest and increased legislative pressure related to environmental, social, and governance, or ESG, activities of public companies. For example, there is a growing number of states requiring organizations to report their board composition as well as mandating gender diversity and representation from underrepresented communities. We risk negative stockholder reaction, including from proxy advisory services, as well as damage to our brand and reputation, if we do not act responsibly in a number of key areas, including diversity and inclusion, environmental stewardship, support for local communities, corporate governance and transparency, and considering ESG and human capital factors in our operations.

Our management team has limited experience managing a public company.

Most of the members of our management team have limited experience managing a publicly traded company, interacting with public company investors, and complying with the increasingly complex laws pertaining to public companies. Additionally, many members of our management team were recently hired, including our Chief Executive Officer, Matthew Fisch, who joined us in February 2023; our General Counsel, Andrew Hughes, who joined us in March 2021; our Chief Operating Officer, T.R. Ramachandran, who joined us in November 2021; and our Chief Financial Officer, Conor Tierney, who joined us in January 2022. Our management team may not successfully or efficiently manage their new roles and responsibilities. Our transition to being a public company subjects us to significant regulatory oversight and reporting obligations under federal securities laws and the continuous scrutiny of securities analysts and investors. These new obligations and constituents will require significant attention from our senior management and could divert their attention away from the day-to-day

management of our business, which could adversely affect our business, financial condition, and operating results.

Our Charter provides, subject to limited exceptions, that the Court of Chancery of the State of Delaware and the federal district courts of the United States of America will be the sole and exclusive forums for substantially all disputes between us and our stockholders, which could limit our stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers, or employees.

Our Charter requires, unless we consent in writing to the selection of an alternative forum, that derivative actions brought in our name, actions against our directors, officers, and employees for breach of fiduciary duty, and other similar actions may be brought only in the Court of Chancery in the State of Delaware except any action (A) as to which the Court of Chancery in the State of Delaware determines that there is an indispensable party not subject to the jurisdiction of the Court of Chancery (and the indispensable party does not consent to the personal jurisdiction of the Court of Chancery within ten days following such determination), (B) which is vested in the exclusive jurisdiction of a court or forum other than the Court of Chancery, or (C) for which the Court of Chancery does not have subject matter jurisdiction. In regard to any action arising under the Exchange Act, our Charter provides that the federal district courts of the United States of America will be the sole and exclusive forum. In regard to any action arising under the Securities Act or the rules and regulations promulgated thereunder, our Charter provides that, unless we consent in writing to the selection of an alternative forum, the federal district courts of the United States of America will, to the fullest extent permitted by law, be the sole and exclusive forum.

Section 27 of the Exchange Act creates exclusive federal jurisdiction over all lawsuits brought to enforce any duty or liability created by the Exchange Act or the rules and regulations thereunder. As a result, the exclusive forum provision will not apply to lawsuits brought to enforce any duty or liability created by the Exchange Act or any other claim for which the federal courts have exclusive jurisdiction. Our Charter provides that the exclusive forum provision will be applicable to the Securities Act to the fullest extent permitted by applicable law. We note that there is uncertainty as to whether a court would enforce the exclusive forum provision and that this exclusive forum provision does not purport to waive compliance with any federal securities laws and the rules and regulations thereunder. If a court were to find such provision to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in another jurisdiction, which could harm our business, operating results, and financial condition.

Any person or entity purchasing or otherwise acquiring any interest in shares of our common stock shall be deemed to have notice of and consented to the forum provisions in our Charter. This choice of forum provision may limit the ability of one of our stockholders to bring a claim in a judicial forum that such stockholder might believe is more favorable for disputes with us or any of our directors, officers, other employees, or stockholders, which may discourage lawsuits with respect to such claims, although our stockholders will not be deemed to have waived our compliance with federal securities laws and the rules and regulations thereunder. Alternatively, if a court were to find the choice of forum provision contained in our Charter to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in another jurisdiction, which could harm our business, financial condition, and results of operations.

The provision of our Charter that authorizes our board of directors to issue preferred stock from time to time based on terms approved by our board of directors may delay, defer, or prevent a tender offer or takeover attempt that stockholders might consider in their best interest.

The provision of our Charter that authorizes our board of directors to issue preferred stock from time to time based on terms approved by our board of directors may delay, defer, or prevent a tender offer or takeover attempt that stockholders might consider to be in their best interest.

If securities or industry analysts cease publishing research or reports about us, our business, our competitors, or our market, or if they change their recommendations regarding our common stock adversely, then the price and trading volume of our common stock could decline.

The trading market for our common stock will be influenced by the research and reports that industry or securities analysts may publish about us, our business, our competitors, or our market. If any of the analysts who may cover us change their recommendation regarding our stock adversely, or provide more favorable relative recommendations about our competitors, the price of our common stock would likely decline. If any analyst who may cover us were to cease coverage of us or fail to regularly publish reports on us, we could lose visibility in the financial markets, which could cause our stock price or trading volume to decline.

Interest in our common stock from retail and other individual investors could result in increased volatility in the market price of our common stock, which could have a material adverse impact on the market price of our common stock and your investment.

Retail and other individual investors, which we believe make up a significant segment of our overall stockholder base, have, at times, appear to have played a significant role in the market dynamics that have resulted in substantial volatility in the market price of our stock, similar to what has been experienced by, for example, the common stock of GameStop Corp., AMC Entertainment Holdings, Inc. and certain other so-called “meme” stocks. At such times, the rapid and substantial increases or decreases in the market price of our stock may be unrelated to our operating performance, macroeconomic trends, or industry fundamentals, and substantial increases in the value of our stock at such times may obscure the significant risks and uncertainties that we face. This volatility has been attributed, in part, to strong and atypical retail investor interest, which may be expressed on financial trading and other social media sites and online forums.

We have in the past and may in the future experience significant interest in our common stock from such investors, and as a result the market price of our common stock has been and may continue to be volatile. There is no guarantee that we will continue to benefit from such retail and individual investor interest, even if our business or financial performance is strong. If investor sentiment changes, this could have a material adverse impact on the market price of our common stock and your investment.

Retail and individual investor sentiment (including as may be expressed on financial trading and other social media sites and online forums) may also influence the amount and status of short interest in our common stock. This could increase the likelihood of our common stock being the target of a “short squeeze,” particularly because a proportion of our common stock has been in the past and may in the future be traded by short sellers. A short squeeze and/or focused investor trading in anticipation of a short squeeze could lead to volatile price movements in shares of our common stock that may be unrelated or disproportionate to our operating performance or prospects. Or, if investors no longer believe a short squeeze is viable, the market price of our common stock may rapidly decline. Accordingly, investors that purchase shares of our common stock during what may be considered a short squeeze may lose a significant portion of their investment.

We do not expect to declare any dividends in the foreseeable future.

We do not anticipate declaring any cash dividends to holders of our common stock in the foreseeable future. Consequently, our stockholders may need to rely on sales of their shares after price appreciation, which may never occur, as the only way to realize any future gains on their investment.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

None.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information

None.

Item 6. Exhibits

Exhibit Number	Description	Form	File Number	Exhibit/Appendix Reference	Filing Date	Filed Herewith
3.1	Second Amended and Restated Certificate of Incorporation of AEye, Inc.	8-K	001-39699	3.1	08/23/2021	
3.2	Certificate of Amendment of the Second Amended and Restated Certificate of Incorporation of AEye, Inc.	10-Q	001-39699	3.2	05/11/2023	
3.3	Amended and Restated Bylaws of AEye, Inc.	8-K	001-39699	3.2	08/23/2021	
31.1	Certification of Principal Executive Officer pursuant to Rules 13a-14(a) and 15(d)-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002					X
31.2	Certification of Principal Financial Officer pursuant to Rules 13a-14(a) and 15(d)-14(a) under the Securities Exchange Act of 1934, as adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002					X
32.1*	Certification of Principal Executive Officer and Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002					X
101.INS	XBRL Instance Document					X
101.SCH	XBRL Taxonomy Extension Schema Document					X
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document					X
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document					X
101.LAB	XBRL Taxonomy Extension Label Linkbase Document					X
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document					X
104	Cover Page Interactive Data File (formatted as Inline XBRL)					X

* The certifications attached as Exhibit 32.1 that accompanies this Quarterly Report on Form 10-Q are deemed furnished and not filed with the Securities and Exchange Commission and are not to be incorporated by reference into any filing of AEye, Inc. under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended, whether made before or after the date of this Quarterly Report on Form 10-Q, irrespective of any general incorporation language contained in such filing.

Signatures

Pursuant to the requirements 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.

Dated: August 9, 2023

AEye, Inc.

By: /s/ Matthew Fisch

Matthew Fisch

Chief Executive Officer and Director

(Principal Executive Officer)

By: /s/ Conor Tierney

Conor Tierney

Chief Financial Officer and Treasurer

(Principal Financial Officer)

CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT
OF 2002

I, Matthew Fisch, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of AEye, 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 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 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.

Date: August 9, 2023

By: /s/ Matthew Fisch
Matthew Fisch
Chief Executive Officer
(Principal Executive Officer)

CERTIFICATION OF CHIEF FINANCIAL OFFICER PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Conor Tierney, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of AEye, 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 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 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.

Date: August 9, 2023

By: /s/ Conor Tierney
Conor Tierney
Chief Financial Officer
(Principal Financial Officer)

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER AND CHIEF FINANCIAL OFFICER PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

With reference to the Quarterly Report on Form 10-Q of AEye, Inc. (the “Company”) for the fiscal quarter ended June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report), the undersigned, Matthew Fisch, Chief Executive Officer of the Company, hereby certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, and that information contained in such Report fairly presents in all material respects the financial condition and results of operations of the Company.

Date: August 9, 2023

By: /s/ Matthew Fisch
Matthew Fisch
Chief Executive Officer
(Principal Executive Officer)

With reference to the Quarterly Report on Form 10-Q of AEye, Inc. (the “Company”) for the fiscal quarter ended June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report), the undersigned, Conor Tierney, Chief Financial Officer of the Company, hereby certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, and that information contained in such Report fairly presents in all material respects the financial condition and results of operations of the Company.

Date: August 9, 2023

By: /s/ Conor Tierney
Conor Tierney
Chief Financial Officer
(Principal Financial Officer)

This certification accompanies the Form 10-Q to which it relates, is not deemed filed with the Securities and Exchange Commission and is not to be incorporated by reference into any filing of AEye, Inc. under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended (whether made before or after the date of the Form 10-Q), irrespective of any general incorporation language contained in such filing.