

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 10-Q

(Check One)

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

For the quarterly period ended September 30, 2016

TRANSITION PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT

For the transition period from _____ to _____

COMMISSION FILE NO. (0-16577)

CYBEROPTICS CORPORATION

(Exact name of registrant as specified in its charter)

Minnesota

(State or other jurisdiction of incorporation or organization)

41-1472057

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

5900 Golden Hills Drive

MINNEAPOLIS, MINNESOTA

(Address of principal executive offices)

55416

(Zip Code)

(763) 542-5000

(Registrant's telephone number, including area code)

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 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 [X] 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 [X] 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. See definition of "accelerated filer" or "large accelerated filer" in Rule 12b-2 of the Exchange Act.

Large accelerated filer [] Accelerated filer [] Non-accelerated filer [] Smaller Reporting Company [X]

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

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date. At October 31, 2016, there were 6,882,486 shares of the registrant's Common Stock, no par value, issued and outstanding.

PART I. FINANCIAL INFORMATION

ITEM 1. CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

CONDENSED CONSOLIDATED BALANCE SHEETS

CYBEROPTICS CORPORATION

(Unaudited)

(In thousands, except share information)	September 30, 2016	December 31, 2015
ASSETS		
Cash and cash equivalents	\$ 7,516	\$ 4,274
Marketable securities	6,718	5,249
Accounts receivable, less allowance for doubtful accounts of \$530 at September 30, 2016 and \$521 at December 31, 2015	12,162	8,150
Inventories	11,803	13,265
Other current assets	1,536	1,190
Total current assets	39,735	32,128
Marketable securities, long-term	8,569	8,084
Equipment and leasehold improvements, net	2,436	2,368
Intangible assets, net	478	549
Goodwill	1,366	1,366
Other assets	191	186
Deferred tax assets	41	58
Total assets	\$ 52,816	\$ 44,739
LIABILITIES AND STOCKHOLDERS' EQUITY		
Accounts payable	\$ 5,524	\$ 5,778
Advance customer payments	377	481
Accrued expenses	3,375	1,959
Total current liabilities	9,276	8,218
Other liabilities	314	268
Deferred tax liability	67	69
Reserve for income taxes	126	126
Total liabilities	9,783	8,681
Commitments and contingencies		
Stockholders' equity:		
Preferred stock, no par value, 5,000,000 shares authorized, none outstanding	—	—
Common stock, no par value, 25,000,000 shares authorized, 6,882,486 shares issued and outstanding at September 30, 2016 and 6,771,668 shares issued and outstanding at December 31, 2015	32,592	31,292
Accumulated other comprehensive loss	(1,510)	(1,709)
Retained earnings	11,951	6,475
Total stockholders' equity	43,033	36,058
Total liabilities and stockholders' equity	\$ 52,816	\$ 44,739

SEE THE ACCOMPANYING NOTES TO UNAUDITED INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS.

CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
CYBEROPTICS CORPORATION
(Unaudited)

(In thousands, except per share amounts)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2016	2015	2016	2015
Revenues	\$ 15,040	\$ 9,937	\$ 52,785	\$ 29,736
Cost of revenues	8,399	5,698	30,055	16,367
Gross margin	6,641	4,239	22,730	13,369
Research and development expenses	1,997	1,956	6,137	5,858
Selling, general and administrative expenses	3,491	2,987	11,028	9,663
Amortization of intangibles	16	17	50	50
Income (loss) from operations	1,137	(721)	5,515	(2,202)
Interest income and other	56	228	69	207
Income (loss) before income taxes	1,193	(493)	5,584	(1,995)
Income tax provision	21	21	108	61
Net income (loss)	<u>\$ 1,172</u>	<u>\$ (514)</u>	<u>\$ 5,476</u>	<u>\$ (2,056)</u>
Net income (loss) per share – Basic	<u>\$ 0.17</u>	<u>\$ (0.08)</u>	<u>\$ 0.80</u>	<u>\$ (0.31)</u>
Net income (loss) per share – Diluted	<u>\$ 0.16</u>	<u>\$ (0.08)</u>	<u>\$ 0.78</u>	<u>\$ (0.31)</u>
Weighted average shares outstanding – Basic	<u>6,859</u>	<u>6,717</u>	<u>6,813</u>	<u>6,694</u>
Weighted average shares outstanding – Diluted	<u>7,154</u>	<u>6,717</u>	<u>7,013</u>	<u>6,694</u>

SEE THE ACCOMPANYING NOTES TO UNAUDITED INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS.

CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)
CYBEROPTICS CORPORATION
(Unaudited)

(In thousands)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2016	2015	2016	2015
Net income (loss)	\$ 1,172	\$ (514)	\$ 5,476	\$ (2,056)
Other comprehensive income (loss), before tax:				
Foreign currency translation adjustments	(116)	(576)	78	(747)
Unrealized gains on available-for-sale securities:				
Unrealized gains (losses)	(36)	(9)	32	(14)
Reclassification adjustment	—	—	—	—
Total unrealized gains (losses) on available-for-sale securities	(36)	(9)	32	(14)
Unrealized gains (losses) on foreign exchange forward contracts:				
Unrealized gains (losses)	—	(217)	53	(322)
Reclassification adjustment for losses included in net income (loss)	—	161	36	466
Total unrealized gains (losses) on foreign exchange forward contracts	—	(56)	89	144
Other comprehensive income (loss), before tax	(152)	(641)	199	(617)
Income tax provision related to items of other comprehensive income (loss)	—	—	—	—
Other comprehensive income (loss), net of tax	(152)	(641)	199	(617)
Total comprehensive income (loss)	\$ 1,020	\$ (1,155)	\$ 5,675	\$ (2,673)

SEE THE ACCOMPANYING NOTES TO UNAUDITED INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS.

CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
CYBEROPTICS CORPORATION
(Unaudited)

(In thousands)	Nine Months Ended September 30,	
	2016	2015
CASH FLOWS FROM OPERATING ACTIVITIES:		
Net income (loss)	\$ 5,476	\$ (2,056)
Adjustments to reconcile net income (loss) to net cash provided by (used in) operating activities:		
Depreciation and amortization	1,520	1,430
Provision for doubtful accounts	10	13
Deferred taxes	15	35
Foreign currency transaction gains	(66)	(329)
Stock compensation costs	694	386
Changes in operating assets and liabilities:		
Accounts receivable	(4,022)	(351)
Inventories	1,169	(1,618)
Other assets	(303)	(513)
Accounts payable	(304)	147
Advance customer payments	(26)	98
Accrued expenses	1,467	(844)
Net cash provided by (used in) operating activities	5,630	(3,602)
CASH FLOWS FROM INVESTING ACTIVITIES:		
Proceeds from maturities of available-for-sale marketable securities	3,571	3,505
Proceeds from sales of available-for-sale marketable securities	1,402	1,517
Purchases of available-for-sale marketable securities	(6,923)	(3,221)
Additions to equipment and leasehold improvements	(994)	(399)
Additions to patents	(59)	(75)
Net cash provided by (used in) investing activities	(3,003)	1,327
CASH FLOWS FROM FINANCING ACTIVITIES:		
Proceeds from exercise of stock options	425	294
Proceeds from issuance of common stock under employee stock purchase plan	181	178
Net cash provided by financing activities	606	472
Effects of exchange rate changes on cash and cash equivalents	9	(60)
Net increase (decrease) in cash and cash equivalents	3,242	(1,863)
Cash and cash equivalents – beginning of period	4,274	5,171
Cash and cash equivalents – end of period	\$ 7,516	\$ 3,308

SEE THE ACCOMPANYING NOTES TO UNAUDITED INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS.

**NOTES TO THE UNAUDITED INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
CYBEROPTICS CORPORATION**

1. INTERIM REPORTING:

The interim condensed consolidated financial statements presented herein as of September 30, 2016, and for the three and nine month periods ended September 30, 2016 and 2015, are unaudited, but in the opinion of management, include all adjustments, consisting of normal recurring adjustments, necessary for a fair presentation of financial position, results of operations and cash flows for the periods presented.

The results of operations for the three and nine month periods ended September 30, 2016 do not necessarily indicate the results to be expected for the full year. The December 31, 2015 consolidated balance sheet data was derived from audited consolidated financial statements, but does not include all disclosures required by accounting principles generally accepted in the United States of America. These unaudited interim condensed consolidated financial statements should be read in conjunction with our consolidated financial statements and notes thereto contained in our Annual Report on Form 10-K for the year ended December 31, 2015.

2. MARKETABLE SECURITIES:

Our investments in marketable securities are classified as available-for-sale and consist of the following:

(In thousands)	September 30, 2016			
	Cost	Unrealized Gains	Unrealized Losses	Fair Value
<u>Short-Term</u>				
U.S. government and agency obligations	\$ 4,455	\$ 6	\$ —	\$ 4,461
Corporate debt securities and certificates of deposit	2,257	1	(1)	2,257
Marketable securities – short-term	\$ 6,712	\$ 7	\$ (1)	\$ 6,718
<u>Long-Term</u>				
U.S. government and agency obligations	\$ 5,982	\$ 19	\$ (1)	\$ 6,000
Corporate debt securities and certificates of deposit	1,937	—	(4)	1,933
Asset backed securities	593	—	—	593
Equity security	42	1	—	43
Marketable securities – long-term	\$ 8,554	\$ 20	\$ (5)	\$ 8,569

(In thousands)	December 31, 2015			
	Cost	Unrealized Gains	Unrealized Losses	Fair Value
<u>Short-Term</u>				
U.S. government and agency obligations	\$ 3,806	\$ —	\$ (2)	\$ 3,804
Corporate debt securities and certificates of deposit	1,440	—	(1)	1,439
Asset backed securities	6	—	—	6
Marketable securities – short-term	\$ 5,252	\$ —	\$ (3)	\$ 5,249
<u>Long-Term</u>				
U.S. government and agency obligations	\$ 6,681	\$ 1	\$ (18)	\$ 6,664
Corporate debt securities and certificates of deposit	675	—	(1)	674
Asset backed securities	694	—	(1)	693
Equity security	42	11	—	53
Marketable securities – long-term	\$ 8,092	\$ 12	\$ (20)	\$ 8,084

Our investments in marketable debt securities all have maturities of less than five years. At September 30, 2016, marketable debt securities valued at \$11.6 million were in an unrealized gain position totaling \$26,000, and marketable debt securities valued at \$3.7 million were in an unrealized loss position totaling \$6,000 (all had been in an unrealized loss position for less than 12 months). At December 31, 2015, marketable debt securities valued at \$2.3 million were in an unrealized gain position totaling \$1,000, and marketable debt securities valued at \$11.0 million were in an unrealized loss position totaling \$23,000 (all had been in an unrealized loss position for less than 12 months).

Net pre-tax unrealized gains for marketable securities of \$21,000 at September 30, 2016 and net pre-tax unrealized losses for marketable securities of \$11,000 at December 31, 2015 were recorded as a component of accumulated other comprehensive loss in stockholders' equity. No marketable securities were sold in the three months ended September 30, 2016. We received proceeds from the sale of marketable securities in the nine months ended September 30, 2016 of \$1.4 million. We received proceeds from the sale of marketable securities in the three and nine month periods ended September 30, 2015 of \$801,000 and \$1.5 million, respectively. No gain or loss was recognized on any of the sales of marketable securities during the nine month periods ended September 30, 2016 or September 30, 2015.

Investments in marketable securities classified as cash equivalents of \$5.0 million at September 30, 2016 and \$791,000 at December 31, 2015 consist of the following:

(In thousands)	September 30, 2016			
	Cost	Unrealized Gains	Unrealized Losses	Recorded Basis
Money market and certificates of deposit	\$ 4,994	\$ —	\$ —	\$ 4,994
	\$ 4,994	\$ —	\$ —	\$ 4,994

(In thousands)	December 31, 2015			
	Cost	Unrealized Gains	Unrealized Losses	Recorded Basis
Money market and certificates of deposit	\$ 791	\$ —	\$ —	\$ 791
	\$ 791	\$ —	\$ —	\$ 791

Cash and marketable securities held by foreign subsidiaries totaled \$201,000 at September 30, 2016 and \$701,000 at December 31, 2015.

3. DERIVATIVES:

At no time during the three months ended September 30, 2016 were there any open foreign exchange forward contracts designated as cash flow hedges. Prior to the three months ended September 30, 2016, we had open foreign exchange forward contracts to hedge against the effect of exchange rate fluctuations on cash flows denominated in foreign currencies associated with our subsidiary in Singapore that were designated as cash flow hedges. The effective portion of the gain or loss on these derivatives was reported as a component of other comprehensive income (loss) and reclassified into earnings in the same period during which the hedged transaction affected earnings. Gains and losses on the derivatives representing either hedge ineffectiveness or hedge components excluded from the assessment of effectiveness were recognized in current earnings. Hedge ineffectiveness and the amounts excluded from effectiveness testing recognized in earnings on cash flow hedges were not material for the nine month period ended September 30, 2016 or the three and nine month periods ended September 30, 2015.

At December 31, 2015, the dollar equivalent gross notional amount of our foreign exchange forward contracts designated as cash flow hedges was approximately \$1.8 million. The fair value of these cash flow hedges representing losses in the amount of \$78,000 was recorded in accrued expenses in our December 31, 2015 consolidated balance sheet.

Reclassifications of amounts from accumulated other comprehensive loss into earnings include accumulated gains (losses) at the time earnings were impacted by the hedged transaction. The location in the consolidated statements of operations and consolidated statements of comprehensive income (loss) and amounts of gains and losses related to derivative instruments designated as cash flow hedges are as follows (as noted above, at no time during the three months ended September 30, 2016 were there any open foreign exchange forward contracts designed as cash flows hedges):

(In thousands)	Three Months Ended September 30, 2016	
	Pretax Amount Recognized in Other Comprehensive Income (Loss) on Effective Portion of Derivative	Pretax Amount Recognized in Earnings on Effective Portion of Derivative as a Result of Reclassification from Accumulated Other Comprehensive Loss
Cost of revenues	\$ —	\$ —
Research and development	—	—
Selling, general and administrative	—	—
Total	\$ —	\$ —

Three Months Ended September 30, 2015

(In thousands)	Pretax Loss Recognized in Other Comprehensive Income (Loss) on Effective Portion of Derivative	Pretax Loss Recognized in Earnings on Effective Portion of Derivative as a Result of Reclassification from Accumulated Other Comprehensive Loss
Cost of revenues	\$ (135)	\$ (102)
Research and development	(56)	(32)
Selling, general and administrative	(26)	(27)
Total	<u>\$ (217)</u>	<u>\$ (161)</u>

Nine Months Ended September 30, 2016

(In thousands)	Pretax Gain Recognized in Other Comprehensive Income (Loss) on Effective Portion of Derivative	Pretax Loss Recognized in Earnings on Effective Portion of Derivative as a Result of Reclassification from Accumulated Other Comprehensive Loss
Cost of revenues	\$ 32	\$ (27)
Research and development	14	(6)
Selling, general and administrative	7	(3)
Total	<u>\$ 53</u>	<u>\$ (36)</u>

Nine Months Ended September 30, 2015

(In thousands)	Pretax Loss Recognized in Other Comprehensive Income (Loss) on Effective Portion of Derivative	Pretax Loss Recognized in Earnings on Effective Portion of Derivative as a Result of Reclassification from Accumulated Other Comprehensive Loss
Cost of revenues	\$ (200)	\$ (289)
Research and development	(78)	(93)
Selling, general and administrative	(44)	(84)
Total	<u>\$ (322)</u>	<u>\$ (466)</u>

At September 30, 2016, there were no pretax amounts recorded in accumulated other comprehensive loss for cash flow hedging instruments. The \$89,000 unrealized pretax loss recorded in accumulated other comprehensive loss at December 31, 2015 for cash flow hedging instruments was reclassified to earnings during the nine months ended September 30, 2016. Additional information with respect to the impact of derivative instruments on other comprehensive income (loss) is included in Note 10.

We periodically enter into foreign exchange forward contracts that are not designated as cash flow hedges. These contracts are of short duration, typically ranging from one to five days, and are used to obtain foreign currencies to meet current requirements. The amounts and fair values associated with these contracts at September 30, 2016 and December 31, 2015 was inconsequential. Additional information with respect to the fair value of derivative instruments is included in Note 4.

4. FAIR VALUE MEASUREMENTS:

We determine the fair value of our assets and liabilities based on the exchange price that would be received for an asset or paid to transfer a liability (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. Valuation techniques used to measure fair value maximize the use of observable inputs and minimize the use of unobservable inputs. To measure fair value, we use a fair value hierarchy with three levels of inputs, of which the first two are considered observable and the third one is considered unobservable. The fair value hierarchy gives the highest priority to quoted prices in active markets for identical assets or liabilities (Level 1). The next highest priority is based on quoted prices for similar assets or liabilities in active markets or quoted prices for identical or similar assets or liabilities in non-active markets or other observable inputs (Level 2). The lowest priority is given to unobservable inputs (Level 3). The following provides information regarding fair value measurements for our marketable securities and foreign exchange forward contracts as of September 30, 2016 and December 31, 2015 according to the three-level fair value hierarchy:

(In thousands)	Fair Value Measurements at September 30, 2016 Using			
	Balance September 30, 2016	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Marketable securities:				
U.S. government and agency obligations	\$ 10,461	\$ —	\$ 10,461	\$ —
Corporate debt securities and certificates of deposit	4,190	—	4,190	—
Asset backed securities	593	—	593	—
Equity security	43	43	—	—
Total marketable securities	<u>\$ 15,287</u>	<u>\$ 43</u>	<u>\$ 15,244</u>	<u>\$ —</u>
Derivative instruments:				
Foreign exchange forward contracts	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>
(In thousands)	Fair Value Measurements at December 31, 2015 Using			
	Balance December 31, 2015	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Marketable securities:				
U.S. government and agency obligations	\$ 10,468	\$ —	\$ 10,468	\$ —
Corporate debt securities and certificates of deposit	2,113	—	2,113	—
Asset backed securities	699	—	699	—
Equity security	53	53	—	—
Total marketable securities	<u>\$ 13,333</u>	<u>\$ 53</u>	<u>\$ 13,280</u>	<u>\$ —</u>
Derivative instruments-liabilities:				
Foreign exchange forward contracts	<u>\$ 78</u>	<u>\$ —</u>	<u>\$ 78</u>	<u>\$ —</u>

During the nine months ended September 30, 2016 and the year ended December 31, 2015, there were no transfers within the three level hierarchy. A significant transfer is recognized when the inputs used to value a security have been changed which merit a transfer between the levels of the valuation hierarchy.

The fair value for our U.S. government and agency obligations, corporate debt securities and certificates of deposit and asset backed securities are determined based on valuations provided by external investment managers which obtain them from a variety of industry standard data providers. The fair value for our equity security is based on a quoted market price obtained from an active market.

The fair value for our foreign exchange forward contracts is based on foreign currency spot and forward rates obtained from reputable financial institutions, with resulting valuations periodically validated by obtaining foreign currency spot rate and forward quotes from other industry standard sources or third party or counterparty quotes. At September 30, 2016, there were no open foreign exchange forward contracts designated as cash flow hedges. The fair value of foreign exchange forward contracts designated as cash flow hedges at December 31, 2015 representing losses in the amount of \$78,000 was recorded in accrued expenses. The amounts and fair values of open foreign exchange forward contracts that were not designated as cash flow hedges at September 30, 2016 and December 31, 2015 were inconsequential.

The carrying amounts of financial instruments such as cash equivalents, accounts receivable, other assets, accounts payable, advance customer payments, accrued expenses and other liabilities approximate their related fair values due to their short-term maturities. Non-financial assets such as equipment and leasehold improvements, goodwill and intangible assets are subject to non-recurring fair value measurements if they are deemed impaired. We had no re-measurements of non-financial assets to fair value during the nine months ended September 30, 2016 or the nine months ended September 30, 2015.

5. ACCOUNTING FOR STOCK-BASED COMPENSATION:

We have four stock-based compensation plans that are administered by the Compensation Committee of the Board of Directors. We have an Employee Stock Incentive Plan for officers, other employees, consultants and independent contractors under which we have granted options and restricted stock units to officers and other employees, an Employee Stock Purchase Plan under which shares of our common stock may be acquired by employees at discounted prices, and a Non-Employee Director Stock Plan that provides for automatic grants of stock options and shares of our common stock to non-employee directors. We also have another stock incentive plan for non-employee directors, but no further awards are made under this plan. New shares of our common stock are issued upon stock option exercises, vesting of restricted stock units, issuances of shares to board members and issuances of shares under the Employee Stock Purchase Plan.

Employee Stock Incentive Plan

As of September 30, 2016, there are 1,015,657 shares of common stock reserved in the aggregate for issuance pursuant to outstanding or future awards under our Employee Stock Incentive Plan. Although our Compensation Committee has authority to issue options, restricted stock, restricted stock units, share grants and other share based benefits under our Employee Stock Incentive Plan, to date only restricted stock units and stock options have been granted under the plan. Options have been granted at an option price per share equal to the market value of our common stock on the date of grant, vest over a four-year period and expire seven years after the date of grant. Restricted stock units vest over a four year period and entitle the holders to one share of our common stock for each restricted stock unit.

As of September 30, 2016, there were 475,439 shares of common stock available for future awards under our Employee Stock Incentive Plan, including an additional 350,000 shares authorized in May 2016. Reserved shares underlying outstanding awards, including options and restricted shares, that are forfeited are available under the Employee Stock Incentive Plan for future grant.

Non-Employee Director Stock Plan

At our annual meeting on May 20, 2016, our shareholders, upon recommendation of the Board of Directors, approved a new Non-Employee Director Stock Plan. A total of 100,000 shares of common stock were authorized for issuance pursuant to the plan. Under the terms of the new plan, each non-employee director will automatically be granted, on the date of each annual meeting at which such director is elected to serve on the board (beginning with our May 2016 annual meeting), 2,000 shares of our common stock and a stock option to acquire 4,000 shares of our common stock. Shares granted under the plan are not subject to vesting restrictions. Each stock option granted under this plan will be fully exercisable, have an exercise price equal to the closing price of our common stock on the date of grant and have a term of 10 years.

Pursuant to the plan, on the date of our 2016 annual meeting, we issued a total of 8,000 shares of our common stock and stock options to acquire 16,000 shares of our common stock to our non-employee directors. The shares had a total fair market value on the date of grant equal to \$136,000 (grant date fair value of \$16.97 per share) and the options had a total fair market value on the date of grant using the Black-Scholes model equal to \$139,000 (grant date fair value of \$8.71 per option to acquire one share of our common stock). As of September 30, 2016, there were 76,000 shares of common stock available for future awards under the Non-Employee Director Stock Plan.

Stock Option Activity

The following is a summary of stock option activity for all of our plans in the nine months ended September 30, 2016:

	Options Outstanding	Weighted Average Exercise Price Per Share
Outstanding, December 31, 2015	570,500	\$ 8.00
Granted	21,000	15.19
Exercised	(74,000)	9.03
Expired	—	—
Forfeited	—	—
Outstanding, September 30, 2016	<u>517,500</u>	<u>\$ 8.15</u>
Exercisable, September 30, 2016	<u>165,335</u>	<u>\$ 8.02</u>

The intrinsic value of an option is the amount by which the market price of the underlying stock exceeds the option's exercise price. For options outstanding at September 30, 2016, the weighted average remaining contractual term of all outstanding options was 4.90 years and their aggregate intrinsic value was \$8.5 million. At September 30, 2016, the weighted average remaining contractual term of options that were exercisable was 3.60 years and their aggregate intrinsic value was \$2.9 million. The aggregate intrinsic value of stock options exercised was \$578,000 in the nine months ended September 30, 2016. We received proceeds from stock option exercises of \$425,000 in the nine months ended September 30, 2016 and \$294,000 in the nine months ended September 30, 2015. No tax benefit was realized from the exercise of these stock options, and no amounts were credited to additional paid-in capital. The total fair value of options that vested in the nine months ended September 30, 2016 was \$274,000.

The fair value of stock options granted to our employees and non-employee directors was estimated on the date of grant using the Black-Scholes model. The Black-Scholes valuation model incorporates ranges of assumptions that are disclosed in the table below. The risk-free interest rate is based on the United States Treasury yield curve at the time of grant with a remaining term equal to the expected life of the awards. We used historical experience to estimate the expected term, representing the length of time in years, that the options are expected to be outstanding. Expected volatility was computed based on historical fluctuations in the daily price of our common stock.

For stock options granted in the nine months ended September 30, 2016, we utilized the fair value of our common stock on the date of grant and employed the following key assumptions in computing fair value using the Black-Scholes option-pricing model:

	2016
Risk-free interest rates	1.24% - 1.85%
Expected life in years	5.10 - 7.50
Expected volatility	42.22% - 46.67%
Dividend yield	—%
Weighted average fair value on grant date	\$3.68 - \$8.71

Restricted Stock Units

Restricted stock units are granted under our Employee Stock Incentive Plan. There were no restricted stock units granted in the nine months ended September 30, 2016. The aggregate fair value of outstanding restricted stock units based on the closing share price of our common stock on September 30, 2016 was \$1.2 million. The aggregate fair value of restricted stock units that vested, based on the closing share price of our common stock on the vesting date, was \$190,000 in the nine months ended September 30, 2016.

A summary of activity for non-vested restricted stock units in the nine months ended September 30, 2016 is as follows:

Non-vested restricted stock units	Shares	Weighted Average Grant Date Fair Value
Non-vested at December 31, 2015	54,315	\$ 7.43
Granted	—	—
Vested	(6,597)	7.05
Forfeited	—	—
Non-vested at September 30, 2016	47,718	\$ 7.48

Employee Stock Purchase Plan

We have an Employee Stock Purchase Plan available to eligible U.S. employees. Under terms of the plan, eligible employees may designate from 1% to 10% of their compensation to be withheld through payroll deductions, up to a maximum of \$6,500 in each plan year, for the purchase of common stock at 85% of the lower of the market price on the first or last day of the offering period. There were 36,481 shares issued under this plan in the nine months ended September 30, 2016 and 35,845 shares issued under this plan in the nine months ended September 30, 2015. As of September 30, 2016, 59,276 shares remain available for future issuance under the Employee Stock Purchase Plan.

Stock Grant Plan for Non-Employee Directors

Previously, we had a stock grant plan for non-employee directors that provided for automatic grants of 1,000 shares of our common stock to each of our non-employee directors upon their re-election to the Board of Directors. This plan was terminated and our non-employee directors did not receive any share grants under this plan on the date of our 2016 annual meeting at which our shareholders approved the new Non-Employee Director Stock Plan. In the nine months ended September 30, 2015, a total of 4,000 shares were issued to non-employee directors under this plan. The shares issued in the nine months ended September 30, 2015 had a fair market value on the date of grant equal to \$41,000 (grant date fair value of \$10.36 per share).

Stock Based Compensation Information

All equity-based compensation awarded to our employees and non-employee directors, representing grants of shares, stock options and restricted stock units, are recognized as an expense in our consolidated statement of operations based on the grant date fair value of the award. We utilize the straight-line method of expense recognition over the vesting period for our options subject to time-based vesting restrictions. The fair value of stock options granted has been determined using the Black-Scholes model. The compensation expense recognized for all equity based awards is net of estimated forfeitures, which are based on historical data. We have classified equity-based compensation within our statement of operations in the same manner as our cash based compensation costs.

Equity-based compensation expense in the three months ended September 30, 2016 totaled \$142,000, and included \$88,000 for stock option awards, \$22,000 for our Employee Stock Purchase Plan and \$32,000 for unvested restricted stock units. Equity-based compensation expense in the nine months ended September 30, 2016, totaled \$694,000, and included \$409,000 for stock option awards, \$54,000 for our Employee Stock Purchase Plan, \$95,000 for unvested restricted stock units and \$136,000 for the issuance of shares to our non-employee directors.

Equity-based compensation expense in the three months ended September 30, 2015 totaled \$110,000, and included \$63,000 for stock option awards, \$23,000 for our Employee Stock Purchase Plan and \$24,000 for unvested restricted stock units. Equity based compensation expense in the nine months ended September 30, 2015 totaled \$386,000, and included \$211,000 for stock option awards, \$55,000 for our Employee Stock Purchase Plan, \$79,000 for unvested restricted stock units and \$41,000 for the issuance of shares to our non-employee directors.

At September 30, 2016, the total unrecognized compensation cost related to non-vested equity based compensation arrangements was \$1.1 million, and the related weighted average period over which it is expected to be recognized is 1.97 years.

6. OTHER FINANCIAL STATEMENT DATA:

The components of our inventories are as follows:

(In thousands)	September 30, 2016	December 31, 2015
Raw materials and purchased parts	\$ 6,012	\$ 6,787
Work in process	982	508
Finished goods	4,809	5,970
Total inventories	<u>\$ 11,803</u>	<u>\$ 13,265</u>

The components of our accrued expenses are as follows:

(In thousands)	September 30, 2016	December 31, 2015
Wages and benefits	\$ 2,341	\$ 1,014
Warranty liability	736	584
Other	298	361
	<u>\$ 3,375</u>	<u>\$ 1,959</u>

Warranty costs:

We provide for the estimated cost of product warranties, which covers products for periods ranging from one to three years, at the time revenue is recognized. While we engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of component suppliers, warranty obligations are affected by product failure rates, material usage and service delivery costs incurred in correcting a product failure. If actual product failure rates, material usage or service delivery costs differ from our estimates, revisions to the estimated warranty liability would be required and could be material. The current portion of our warranty liability is included as a component of accrued expenses. The long-term portion of our warranty liability is included as a component of other liabilities. At the end of each reporting period, we revise our estimated warranty liability based on these factors.

A reconciliation of the changes in our estimated warranty liability is as follows:

(In thousands)	Nine Months Ended September 30,	
	2016	2015
Balance at beginning of period	\$ 645	\$ 839
Accrual for warranties	615	376
Warranty revision	(27)	10
Settlements made during the period	(415)	(547)
Balance at end of period	<u>818</u>	<u>678</u>
Current portion of estimated warranty liability	(736)	(611)
Long-term estimated warranty liability	<u>\$ 82</u>	<u>\$ 67</u>

Deferred warranty revenue:

The current portion of our deferred warranty revenue is included as a component of advance customer payments. The long-term portion of our deferred warranty revenue is included as a component of other liabilities. A reconciliation of the changes in our deferred warranty revenue is as follows:

(In thousands)	Nine Months Ended September 30,	
	2016	2015
Balance at beginning of period	\$ 199	\$ 475
Revenue deferrals	490	277
Amortization of deferred revenue	(330)	(518)
Total deferred warranty revenue	359	234
Current portion of deferred warranty revenue	(278)	(227)
Long-term deferred warranty revenue	\$ 81	\$ 7

7. INTANGIBLE ASSETS:

Intangible assets consist of the following:

(In thousands)	September 30, 2016			December 31, 2015		
	Gross Carrying Amount	Accumulated Amortization	Net	Gross Carrying Amount	Accumulated Amortization	Net
Patents	\$ 2,571	\$ (2,332)	\$ 239	\$ 2,513	\$ (2,253)	\$ 260
Software	206	(75)	131	206	(53)	153
Marketing assets and customer relationships	101	(30)	71	101	(21)	80
Non-compete agreements	101	(64)	37	101	(45)	56
	<u>\$ 2,979</u>	<u>\$ (2,501)</u>	<u>\$ 478</u>	<u>\$ 2,921</u>	<u>\$ (2,372)</u>	<u>\$ 549</u>

Amortization expense for the three and nine month periods ended September 30, 2016 and 2015 is as follows:

(In thousands)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2016	2015	2016	2015
Patents	\$ 27	\$ 27	\$ 79	\$ 83
Software	7	7	22	22
Marketing assets and customer relationships	3	4	9	9
Non-compete agreements	6	6	19	19
	<u>\$ 43</u>	<u>\$ 44</u>	<u>\$ 129</u>	<u>\$ 133</u>

Amortization of patents has been classified as research and development expense in the accompanying statements of operations. Estimated aggregate amortization expense based on current intangibles for the next five years is expected to be as follows: \$44,000 for the remainder of 2016; \$157,000 in 2017; \$105,000 in 2018; \$70,000 in 2019; \$62,000 in 2020; and \$40,000 in 2021.

Intangible and other long lived assets are reviewed for impairment when events or changes in circumstances indicate that the carrying amount of the assets may not be recoverable. An impairment loss would be recognized when future undiscounted cash flows expected to result from use of the asset and eventual disposition are less than the carrying amount.

8. REVENUE CONCENTRATIONS, SIGNIFICANT CUSTOMERS AND GEOGRAPHIC AREAS:

Export sales as a percentage of total sales in the three and nine months ended September 30, 2016 were 84% and 83%, respectively. Export sales as a percentage of total sales in both the three and nine months ended September 30, 2015 were 73%. Virtually all of our export sales are negotiated, invoiced and paid in U.S. dollars. Export sales by geographic area are summarized as follows:

(In thousands)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2016	2015	2016	2015
Americas	\$ 344	\$ 619	\$ 1,114	\$ 888
Europe	3,592	3,053	13,463	8,644
Asia	8,675	3,559	29,322	11,912
Other	10	41	44	282
Total export sales	<u>\$ 12,621</u>	<u>\$ 7,272</u>	<u>\$ 43,943</u>	<u>\$ 21,726</u>

Our LaserAlign sensor products have historically accounted for a significant portion of our revenues and profitability. Our revenue, results of operations and cash flows could be negatively impacted if our LaserAlign customers are unsuccessful selling the products into which our sensors are incorporated, design their products to function without our sensors, purchase sensors from other suppliers, or otherwise terminate their relationships with us.

In the nine months ended September 30, 2016, sales to significant customer A accounted for 13% of our total revenue and sales to significant customer B accounted for 13% of our total revenue. As of September 30, 2016, accounts receivable from significant customer A were \$615,000 and accounts receivable from significant customer B were \$3.2 million.

9. NET INCOME (LOSS) PER SHARE:

Net income (loss) per basic share is computed by dividing net income (loss) by the weighted average number of common shares outstanding during the period. Net income per diluted share is computed by dividing net income by the weighted average number of common and common equivalent shares outstanding during the period. Common equivalent shares consist of common shares to be issued upon exercise of stock options, vesting of restricted stock units and from the purchase of shares under our Employee Stock Purchase Plan, as calculated using the treasury stock method. Net loss per diluted share is calculated by dividing net loss by the weighted average number of common shares outstanding during the period. Common equivalent shares are excluded from the calculation of net loss per diluted share due to their anti-dilutive effect. The components of net income (loss) per basic and diluted share are as follows:

(In thousands except per share amounts)	Net Income	Weighted Average Shares Outstanding	Per Share Amount
Three Months Ended September 30, 2016			
Basic	\$ 1,172	6,859	\$ 0.17
Dilutive effect of common equivalent shares	—	295	(0.01)
Dilutive	<u>\$ 1,172</u>	<u>7,154</u>	<u>\$ 0.16</u>

(In thousands except per share amounts)	Net Loss	Weighted Average Shares Outstanding	Per Share Amount
Three Months Ended September 30, 2015			
Basic	\$ (514)	6,717	\$ (0.08)
Dilutive effect of common equivalent shares	—	—	—
Dilutive	<u>\$ (514)</u>	<u>6,717</u>	<u>\$ (0.08)</u>

(In thousands except per share amounts)	Net Income	Weighted Average Shares Outstanding	Per Share Amount
Nine Months Ended September 30, 2016:			
Basic	\$ 5,476	6,813	\$ 0.80
Dilutive effect of common equivalent shares	—	200	(0.02)
Dilutive	<u>\$ 5,476</u>	<u>7,013</u>	<u>\$ 0.78</u>

(In thousands except per share amounts)	Net Loss	Weighted Average Shares Outstanding	Per Share Amount
Nine Months Ended September 30, 2015:			
Basic	\$ (2,056)	6,694	\$ (0.31)
Dilutive effect of common equivalent shares	—	—	—
Dilutive	<u>\$ (2,056)</u>	<u>6,694</u>	<u>\$ (0.31)</u>

Potentially dilutive shares excluded from the calculations of net income (loss) per diluted share due to their anti-dilutive effect were as follows: zero shares in the three months ended September 30, 2016; 132,000 shares in the nine months ended September 30, 2016; 553,000 shares in the three months ended September 30, 2015; and 562,000 shares in the nine months ended September 30, 2015.

10. COMPREHENSIVE INCOME (LOSS):

Reclassification adjustments are made to avoid double counting for items included in comprehensive income (loss) that are also recorded as part of net income (loss). Reclassifications to earnings related to cash flow hedging instruments are discussed in Note 3. Amounts recorded in accumulated other comprehensive loss for foreign exchange forward contracts at September 30, 2016 are income tax related. We have recorded a valuation allowance against substantially all of our United States and Singapore based deferred tax assets. Accordingly, we do not expect to record a tax provision for items of other comprehensive income (loss), including foreign exchange forward contracts, until such time as the valuation allowance is substantially reduced.

The effect of the reclassifications from comprehensive income (loss) to earnings by line item is as follows:

Details about Components of Accumulated Other Comprehensive Loss	Amount Reclassified from Accumulated Other Comprehensive Loss				Affected Line Item in the Statements of Operations
	Three Months Ended September 30,		Nine Months Ended September 30,		
	2016	2015	2016	2015	
(In thousands)					
Unrealized losses on foreign exchange forward contracts	\$ —	\$ (102)	\$ (27)	\$ (289)	Cost of revenues
	—	(32)	(6)	(93)	Research and development expenses
	—	(27)	(3)	(84)	Selling, general and administrative expenses
	—	(161)	(36)	(466)	Total before tax
	—	—	—	—	Income tax provision (benefit)
	<u>\$ —</u>	<u>\$ (161)</u>	<u>\$ (36)</u>	<u>\$ (466)</u>	Net of tax

At September 30, 2016 and September 30, 2015, components of accumulated other comprehensive loss are as follows:

(In thousands)	Foreign Currency Translation Adjustments	Available- for-Sale Securities	Foreign Exchange Forward Contracts	Accumulated Other Comprehensive Loss
Balances at December 31, 2015	\$ (1,545)	\$ (17)	\$ (147)	\$ (1,709)
Other comprehensive income before reclassifications	78	32	53	163
Amounts reclassified from accumulated other comprehensive loss	—	—	36	36
Total change for the period	78	32	89	199
Balances at September 30, 2016	<u>\$ (1,467)</u>	<u>\$ 15</u>	<u>\$ (58)</u>	<u>\$ (1,510)</u>

(In thousands)	Foreign Currency Translation Adjustments	Available- for-Sale Securities	Foreign Exchange Forward Contracts	Accumulated Other Comprehensive Loss
Balances at December 31, 2014	\$ (920)	\$ 61	\$ (412)	\$ (1,271)
Other comprehensive income (loss) before reclassifications	(747)	(14)	(322)	(1,083)
Amounts reclassified from accumulated other comprehensive loss	—	—	466	466
Total change for the period	(747)	(14)	144	(617)
Balances at September 30, 2015	<u>\$ (1,667)</u>	<u>\$ 47</u>	<u>\$ (268)</u>	<u>\$ (1,888)</u>

11. INCOME TAXES:

We recorded income tax expense of \$108,000 in the nine months ended September 30, 2016, compared to \$61,000 in the nine months ended September 30, 2015. At September 30, 2016, we continue to have a valuation allowance recorded against all of our U.S. and Singapore based deferred tax assets. Income tax expense in the three and nine months ended September 30, 2016 and the three and nine months ended September 30, 2015 includes minimal state income tax expense and foreign income tax expense incurred by our subsidiaries in the United Kingdom and China. Income tax expense in the three and nine months ended September 30, 2016 also includes U.S. federal alternative minimum taxes.

We currently have significant deferred tax assets as a result of temporary differences between taxable income on our tax returns and U.S. GAAP income, research and development tax credit carry forwards and federal, state and foreign net operating loss carry forwards. A deferred tax asset generally represents future tax benefits to be received when temporary differences previously reported in our consolidated financial statements become deductible for income tax purposes, when net operating loss carry forwards are applied against future taxable income, or when tax credit carry forwards are utilized on our tax returns. We assess the realizability of our deferred tax assets and the need for a valuation allowance based on the guidance provided in current financial accounting standards.

Significant judgment is required in determining the realizability of our deferred tax assets. The assessment of whether valuation allowances are required considers, among other matters, the nature, frequency and severity of any current and cumulative losses, forecasts of future profitability, the duration of statutory carry forward periods, our experience with loss carry forwards not expiring unused and tax planning alternatives.

At September 30, 2016, we continue to have a valuation allowance recorded against all of our U.S. and Singapore based net deferred tax assets. In analyzing the need for a valuation allowance, we first considered our history of cumulative operating results for income tax purposes over the past three years in each of the tax jurisdictions where we operate, our financial performance in recent quarters, statutory carry forward periods and tax planning alternatives. We also considered both our near-term and long-term financial outlook. After considering all available evidence both positive and negative, we concluded that a valuation allowance is needed for all of our U.S. and Singapore based deferred tax assets as of September 30, 2016 and December 31, 2015.

We have generated significant profits in the first nine months of 2016. If this trend were to continue, and based on our favorable long-term financial outlook, we may conclude in the near future that a valuation allowance for all or a portion of our U.S. and Singapore based net deferred tax assets is no longer needed. Reversing all or a portion of the valuation allowance could result in a significant one-time non-cash income tax benefit. In addition, once a significant portion of the valuation allowance is reversed, reported income tax expense will increase in future periods. The timing of cash payments for income taxes would not be impacted.

Deferred tax assets at September 30, 2016 include net operating loss carry forwards incurred in the United Kingdom by CyberOptics Ltd., which was acquired in 1999. A valuation allowance has not been recorded against these deferred tax assets. The utilization of these net operating loss carry forwards is dependent on CyberOptics Ltd.'s ability to generate sufficient United Kingdom taxable income during a reasonable future period.

The Inland Revenue Authority of Singapore recently completed a review of our 2012 income tax return. The review did not result in payment of any additional tax or change in our taxable income.

During 2015, our wholly owned Singapore subsidiary repatriated approximately \$3.6 million to our U.S.-based parent, of which approximately \$1.9 million had been previously taxed. We were able to accomplish the repatriation without having to pay cash taxes given available U.S. net operating loss carryforwards. For this reason and given our current tax situation, we concluded that a one-time repatriation of funds was appropriate. It is our current intention to permanently reinvest the remaining undistributed earnings of our international subsidiaries. Accordingly, we have not recorded the related deferred tax liability of approximately \$2.5 million for U.S.-based income taxes on these earnings. If we were to change our position on permanent reinvestment of undistributed earnings of our international subsidiaries, it is anticipated that any such change would not have a significant impact on our financial position or results of operations. This assessment is based on the amount of remaining undistributed earnings of international subsidiaries and the size of our available U.S. net operating loss carryforwards.

12. SHARE REPURCHASE:

In August of 2015, our Board of Directors authorized a \$2.0 million share repurchase program. The common stock may be acquired from time to time in open market transactions, block purchases and other transactions complying with the Securities and Exchange Commission's Rule 10b-18. We did not repurchase any of our common stock in the nine months ended September 30, 2016.

13. CONTINGENCIES:

We are periodically a defendant in miscellaneous claims and disputes in the ordinary course of business. While the outcome of these matters cannot be predicted with certainty, management presently believes the disposition of these matters will not have a material effect on our financial position, results of operations or cash flows.

In the normal course of business to facilitate sales of our products and services, we at times indemnify other parties, including customers, with respect to certain matters. In these instances, we have agreed to hold the other parties harmless against losses arising out of intellectual property infringement or other types of claims. These agreements may limit the time within which an indemnification claim can be made, and almost always limit the amount of the claim. It is not possible to determine the maximum potential liability under these indemnification agreements due to the limited history of prior indemnification claims and the unique facts and circumstances involved in each particular agreement. Historically, payments made, if any, under these agreements have not had a material impact on our operating results, financial position or cash flows.

14. RECENT ACCOUNTING DEVELOPMENTS:

In May 2014, the Financial Accounting Standards Board (FASB) issued guidance on the recognition of revenue from contracts with customers (Accounting Standards Update (ASU) No. 2014-09, *Revenue from Contracts with Customers*). Revenue recognition will show the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. The guidance also requires disclosures regarding the nature, amount, timing and uncertainty of revenue and cash flows arising from contracts with customers. The guidance permits two methods of adoption: a retrospective approach requiring application to each prior reporting period presented or the modified retrospective approach with the cumulative effect of initially applying the guidance recognized at the date of initial application. The FASB has delayed the effective date of the standard by one year to January 1, 2018, with early adoption permitted as of the original effective date of January 1, 2017. We presently anticipate that we will adopt the new standard retrospectively to each prior reporting period presented. We are still currently evaluating the impact of the new guidance on our consolidated financial statements. We presently anticipate that we will have the impact of the new guidance quantified by March 31, 2017.

In March 2016, the FASB issued guidance on simplifying the accounting for stock compensation (ASU No. 2016-09, *Improvements to Employee Share-Based Payment Accounting*). The guidance impacts the accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities, and classification in the consolidated statement of cash flows. For U.S. public companies, the updated guidance is effective for fiscal years beginning after December 15, 2016, including interim periods within those fiscal years, and early adoption is permitted. We are currently evaluating the impact of the new guidance on our consolidated financial statements.

In February 2016, the FASB issued new lease accounting guidance (ASU No. 2016-02, *Leases*). Under the new guidance, at the commencement date, lessees will be required (a) to recognize a lease liability, which is a lessee's obligation to make lease payments arising from a lease, measured on a discounted basis, and (b) to record a right-of-use asset, which is an asset that represents the lessee's right to use, or control the use of, a specified asset for the lease term. The new guidance is not applicable for leases with a term of 12 months or less. Lessor accounting is largely unchanged. U.S. public companies are required to apply the amendments in ASU 2016-02 for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. Early application is permitted. Lessees (for capital and operating leases) and lessors (for sales-type, direct financing, and operating leases) must apply a modified retrospective transition approach for leases existing at, or entered into after, the beginning of the earliest comparative period presented in the financial statements. The modified retrospective approach would not require any transition accounting for leases that expired before the earliest comparative period presented. Lessees and lessors may not apply a full retrospective transition approach. We are currently evaluating the impact of the new guidance on our consolidated financial statements.

In July 2015, the FASB issued guidance on simplifying the measurement of inventory (ASU No. 2015-11, *Simplifying the Measurement of Inventory*). The guidance requires an entity to measure inventory at the lower of cost or net realizable value, which consists of estimated selling prices in the ordinary course of business, less reasonably predictable cost of completion, disposal, and transportation. The new guidance eliminates unnecessary complexity that exists under current "lower of cost or market" guidance. For U.S. public companies, the updated guidance is effective for fiscal years beginning after December 15, 2016, including interim periods within those fiscal years. The guidance is to be applied prospectively as of the beginning of an interim or annual reporting period, with early adoption permitted. We do not believe the implementation of this standard will have a material impact on our consolidated financial statements.

ITEM 2 - MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

CRITICAL ACCOUNTING POLICIES AND ESTIMATES:

The preparation of the financial information contained in this Form 10-Q requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosure of contingent assets and liabilities. On an on-going basis, we evaluate these estimates, including those estimates related to revenue recognition, bad debts, warranty obligations, inventory valuation, intangible assets and income taxes. We base these estimates on historical experience and on various other assumptions that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Our actual results may differ from these estimates under different assumptions or conditions. These critical accounting policies are discussed in more detail in the Management's Discussion and Analysis of Financial Condition and Results of Operations contained in our Annual Report on Form 10-K for the year ended December 31, 2015.

FORWARD LOOKING STATEMENTS:

The following management's discussion and analysis contains a number of estimates and predictions that are forward looking rather than based on historical fact. Among other matters, we discuss (i) our level of anticipated revenues, gross margins, and expenses; (ii) the timing of initial revenue and margin improvements from new products that we have under development, that have been recently introduced or that we anticipate introducing in the future; (iii) the amount of anticipated revenue and potential revenue opportunity from recently introduced new products or potential new products we may launch in the future; (iv) our beliefs regarding trends in the general economy and its impact on markets for our products and (v) the impact of currency fluctuations on our operations. Although we have made these statements based on our experience and best estimate of future events, there may be events or factors that we have not anticipated, and the accuracy of our statements and estimates are subject to a number of risks, including those identified in our Annual Report on Form 10-K for the year ended December 31, 2015.

RESULTS OF OPERATIONS

General

Our products are sold primarily into the electronics assembly, DRAM and flash memory, and semiconductor fabrication capital equipment markets. We sell products in these markets both to original equipment manufacturers (OEMs) of production equipment and to end-user customers that assemble circuit boards and semiconductor wafers and devices. Our wholly owned subsidiary, Laser Design, Inc. (LDI), provides 3D scanning solutions and services to the global 3D scanner and services metrology markets.

Our recent and planned product introductions are designed to strengthen our competitive position in our current markets and expand into adjacent markets. We believe 3D inspection represents a high-growth segment of both the electronic assembly market and the semiconductor market. For this reason, we are working to strategically reposition our company as a developer, manufacturer and global leader of high-precision 3D sensors. A key element in our strategic re-positioning is the development of new high precision 3D sensors based on our proprietary Multi-Reflection Suppression (MRS) technology. MRS technology inhibits reflections that can result in measurement inaccuracies, which is particularly critical for inspecting shiny objects.

We believe that MRS is a break-through optical technology for high-end inspection applications, with the potential to expand our markets in the future. In the existing markets for our surface mount technology (SMT), semiconductor inspection and 3D scanning solutions, we are seeing a growing number of opportunities because of our 3D MRS technology platform, and we are introducing new products based on MRS technology that we believe present a significant opportunity for increased revenues.

We recently entered into a mutually exclusive agreement to supply KLA-Tencor with high-precision 3D sensor subsystems for its back-end semiconductor packaging inspection systems. We also have entered into an agreement to supply Nordson-YESTECH (Nordson) with high precision 3D sensor subsystems for the SMT market. The sensor subsystems are based on the new MRS technology that we have been developing for the past several years. We intend to expand sales of products based on MRS technology into both the SMT market and adjacent markets that require high precision 3D optical inspection. We also plan to sell products based on our MRS technology to OEMs. During the second quarter of 2016, we received an \$800,000 order for 3D MRS-enabled sensors from a major new customer for a general purpose metrology application related to the inspection of finished goods. We believe this customer could generate significant sales going forward.

During the third quarter, we significantly advanced our MRS-enabled 3D sensor technology as part of a research initiative aimed at applying our 3D MRS technology to front-end semiconductor inspection. As a result of work completed to date, features of 50-100 microns are now being measured in our research lab, including devices with mirror-like finishes. This is an important milestone in our effort to make MRS-enabled 3D sensor technology applicable to front-end semiconductor inspection in the next two to four years. If this initiative proves to be commercially viable, the available market for CyberOptics products for front-end semiconductor inspection could be significant.

Our 3D MRS technology has also been deployed in our new 3D automated optical inspection (AOI) system, the SQ3000, which is designed to expand our presence in markets requiring high precision inspection. In these markets, identifying defects has become highly challenging and critical due to smaller electronics packaging and increasing component density on circuit boards. We believe the combination of our MRS technology and sophisticated 3D fusing algorithms allows us to offer microscopic image quality at production speeds. We recognized our initial revenues from sales of the SQ3000 in the second quarter of 2015. During the first nine months of 2016, we received SQ3000 follow-on orders totaling approximately \$4.7 million from a key customer for a next-generation consumer electronics product. As a result of these sales and the competitive advantages offered by our MRS technology, we believe that the future sales potential of the SQ3000 is significant.

We are incorporating our MRS technology into a new 3D scanning system, CyberGage360, which we believe will serve a wide range of inspection applications in the general purpose 3D metrology market. The CyberGage360 was commercially launched at the end of the second quarter of 2016, and we received our first order for the CyberGage360 in the third quarter. Additional sales of CyberGage360 are anticipated in the fourth quarter, but more significant sales are forecasted for 2017. We believe that the unique performance characteristics of our MRS technology, which inhibit reflections and enable very accurate measurements at fast speeds, combined with ease of use, will give CyberGage360 a competitive advantage in the marketplace for 3D scanning systems, and that sales of CyberGage360 could contribute substantially to our future revenue growth.

We also have committed funds to development of new products for inspecting memory modules. To date, we have received orders of approximately \$6.3 million from one of the world's top four memory manufacturers for our newly-developed MX600 system. This system is used to inspect memory modules at the end of the production line after singulation. In the third quarter of 2016, customer acceptances were received for the remaining balance of our MX600 backlog, resulting in approximately \$2.8 million of revenue. Approximately \$2.9 million of MX600 revenues were previously recognized in the first six months of 2016. We believe that additional MX600 orders could be received in future periods.

We ended the third quarter of 2016 with a backlog of \$12.4 million, up from \$10.5 million at September 30, 2015, but down from \$14.7 million at June 30, 2016. As stated previously, our quarterly results will fluctuate somewhat on a sequential basis, reflecting the pace of new orders and customer acceptances for our 3D products. For our fourth quarter ending December 31, 2016, we are forecasting sales of \$13.0 million to \$15.0 million, which would represent another period of profitability and strong year-over-year sales growth.

We believe that we have the resources required to attain our growth objectives, given our available cash and marketable securities balances totaling \$22.8 million at September 30, 2016.

Revenues

Our revenues increased by 51% to \$15.0 million in the three months ended September 30, 2016, from \$9.9 million in the three months ended September 30, 2015. Revenues increased by 78% to \$52.8 million in the nine months ended September 30, 2016, from \$29.7 million in the nine months ended September 30, 2015. The following table sets forth revenues by product line for the three and nine month periods ended September 30, 2016 and 2015:

(In thousands)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2016	2015	2016	2015
SMT and High Precision 3D Sensors	\$ 3,393	\$ 3,784	\$ 15,997	\$ 10,342
Semiconductor Sensors	2,198	1,537	7,462	5,521
SMT Inspection Systems	7,955	2,965	21,945	9,276
3D Scanning Solutions and Services	1,494	1,651	7,381	4,597
Total	\$ 15,040	\$ 9,937	\$ 52,785	\$ 29,736

Revenue from sales of SMT and high precision 3D sensors decreased by \$391,000 or 10% to \$3.4 million in the three months ended September 30, 2016, from \$3.8 million in the three months ended September 30, 2015. Revenue from sales of this product line increased by \$5.7 million or 55% to \$16.0 million in the nine months ended September 30, 2016, from \$10.3 million in the nine months ended September 30, 2015. Revenue decreases in the three months ended September 30, 2016 resulted from reduced sales of legacy 2D LaserAlign sensors to traditional OEM customers, offset in part by solid sales of 3D MRS-enabled sensors. A significant portion of a second quarter order totaling \$800,000 for 3D MRS-enabled sensors was recognized as revenue in the three months ended September 30, 2016. This order was received from a new customer for a general purpose metrology application related to the inspection of finished goods. Revenue increases in the nine months ended September 30, 2016 resulted from a significant rebound in sales of legacy 2D LaserAlign sensors to OEM customers, as well as sales of 3D MRS sensors to KLA-Tencor and Nordson, and from the \$800,000 order mentioned above. The rebound in sales of 2D LaserAlign sensors was driven by one OEM customer which experienced a significant increase in sales of its products that incorporate our sensors.

Sales to KLA-Tencor are expected to continue to increase as our sensors are incorporated into a growing portion of this customer's back-end semiconductor packaging inspection systems. Nordson introduced its 3D MRS-equipped AOI system at the IPC APEX Expo trade show in March 2016 to a very favorable reception. As a result, we believe that sales of sensors under our Nordson supply agreement should be a positive contributor to our future sales growth.

Revenue from sales of semiconductor sensors, principally our WaferSense® and ReticleSense® product lines, increased by \$661,000 or 43% to \$2.2 million in the three months ended September 30, 2016, from \$1.5 million in the three months ended September 30, 2015. Revenue from sales of these sensors increased by \$1.9 million or 35% to \$7.5 million in the nine months ended September 30, 2016, from \$5.5 million in the nine months ended September 30, 2015. The sales increases were due in part to our new Auto-Multi Sensors that combine leveling, vibration and humidity measurements into an all-in-one wireless, real-time device. Sales increases were also due to increased customer awareness and improved account penetration at major semiconductor manufacturers and capital equipment suppliers. We anticipate that the benefits from growing market awareness and new product introductions will lead to additional WaferSense® and ReticleSense® sales in future periods.

Revenue from sales of SMT inspection systems increased by \$5.0 million or 168% to \$8.0 million in the three months ended September 30, 2016, from \$3.0 million in the three months ended September 30, 2015. Revenue from sales of these systems increased by \$12.7 million or 137% to \$21.9 million in the nine months ended September 30, 2016, from \$9.3 million in the nine months ended September 30, 2015. Revenue from SMT inspection systems in the three months ended September 30, 2016 benefited from strong demand for our entire portfolio of SMT inspection system products, including SQ3000 3D MRS-enabled AOI systems and recognition of \$2.8 million in revenue from sales of MX600 memory module inspection systems. Revenue from SMT systems in the nine months ended September 30, 2016 reflected strong growth in sales of SQ3000 systems, due in part to follow-on orders totaling approximately \$4.7 million from a key customer that manufactures a next-generation consumer electronics product. Revenue from SMT systems in the nine months ended September 30, 2016 also included approximately \$5.7 million of revenue from sales of MX600 memory module inspection systems.

We believe a growing number of companies are transitioning from 2D AOI to 3D AOI systems to meet the increasingly demanding inspection requirements of the electronics and industrial markets. We believe sales of our new 3D MRS enabled AOI products will represent an increasing percentage of our total AOI and SPI product sales in the future. We expect that the competitive advantages of our unique 3D MRS technology will provide us with an opportunity to capture meaningful market share in the 3D AOI systems market.

Revenue from sales of 3D scanning solutions and services decreased by \$157,000 or 10% to \$1.5 million in the three months ended September 30, 2016, from \$1.7 million in the three months ended September 30, 2015. Revenue from these products and services increased by \$2.8 million or 61% to \$7.4 million in the nine months ended September 30, 2016, from \$4.6 million in the nine months ended September 30, 2015. Revenue decreases in the three months ended September 30, 2016 were due to lower sales of 3D scanning services. Revenue increases in the nine months ended September 30, 2016 were due to strong sales of computed tomography or X-ray scanning (CT) systems, mainly to a single customer, and reflected our ability to provide a comprehensive offering of training and installation support services. We believe future revenue growth from sales of 3D scanning solutions and services will be determined in large part by market acceptance of our new MRS-equipped CyberGage360 3D scanning system. We received our first order for the CyberGage360 in the third quarter of 2016. Additional sales of CyberGage360 are anticipated in the fourth quarter, but more significant sales are forecasted for 2017.

Export revenue totaled \$12.6 million or 84% of total revenue in the three months ended September 30, 2016, compared to \$7.3 million or 73% of total revenue in the three months ended September 30, 2015. Export revenue totaled \$43.9 million or 83% of total revenue in the nine months ended September 30, 2016, compared to \$21.7 million or 73% of total revenue in the nine months ended September 30, 2015. The increase in export revenue as a percentage of total revenue was due to the large increase in sales of SMT inspection systems, a higher proportion of which are generally sold outside the United States as compared to our other products.

Cost of Revenues and Gross Margin

Cost of revenues increased by \$2.7 million or 47% to \$8.4 million in the three months ended September 30, 2016, from \$5.7 million in the three months ended September 30, 2015. Cost of revenues increased by \$13.7 million or 84% to \$30.0 million in the nine months ended September 30, 2016, from \$16.4 million in the nine months ended September 30, 2015. The increase in cost of revenues in both the three and nine months ended September 30, 2016 was due to the corresponding revenue increases in those periods. Revenues were up 51% and 78% in the three and nine months ended September 30, 2016, respectively. Items included in cost of revenues that fluctuate with the level of sales include raw materials, direct labor and factory overhead costs.

Total gross margin as a percentage of revenue was 44% in the three months ended September 30, 2016, compared to 43% in the three months ended September 30, 2015. Total gross margin as a percentage of revenue was 43% in the nine months ended September 30, 2016, compared to 45% in the nine months ended September 30, 2015. The fluctuations in gross margin percentage mentioned above were mainly due to a change in product mix.

Our markets are highly price competitive, particularly the electronic assembly market, resulting in continual pressure on our gross margins. We compensate for pricing pressure by introducing new products with more features and improved performance and through manufacturing cost reduction programs. Sales of many products that we have recently introduced or are about to introduce, including our CyberGage360 3D scanning system, MRS sensor subsystems and WaferSense sensors, have or are expected to have more favorable margins than sales of many of our existing products.

Operating Expenses

Research and development expenses were \$2.0 million or 13% of revenue in the three months ended September 30, 2016, compared to \$1.9 million or 20% of revenue in the three months ended September 30, 2015. Research and development expenses were \$6.1 million or 12% of revenue in the nine months ended September 30, 2016, compared to \$5.9 million or 20% of revenue in the nine months ended September 30, 2015. The higher research and development expenses in both periods were mainly due to the accrual of incentive compensation expense resulting from our improved financial performance. Current research and development expenditures are primarily focused on continued development of our MRS technology and related products, including 3D sensor subsystems, enhancements to the SQ3000 3D AOI system and the CyberGage360 3D scanning system. In addition, research is under way to determine if our 3D MRS technology is applicable to front-end semiconductor inspection.

Selling, general and administrative expenses were \$3.5 million or 23% of revenue in the three months ended September 30, 2016, compared to \$3.0 million or 30% of revenue in the three months ended September 30, 2015. Selling, general and administrative expenses were \$11.0 million or 21% of revenue in the nine months ended September 30, 2016, compared to \$9.7 million or 32% of revenue in the nine months ended September 30, 2015. The higher selling, general and administrative expenses in both periods was due to higher sales commissions and the accrual of incentive compensation expense resulting from our significantly improved financial performance. These cost increases were offset in part by various cost savings and efficiencies implemented throughout 2015.

We anticipate that overall operating expenses in the fourth quarter of 2016 will be comparable to third quarter 2016 levels.

Interest Income and Other

Interest income and other includes interest earned on investments and gains and losses associated with foreign currency transactions, including intercompany financing transactions associated with our subsidiaries in the United Kingdom and Singapore. Because we maintain our investments in instruments designed to avoid risk of loss of principal, we have generated very little interest income in the current interest rate environment. We recognized gains from foreign currency transactions, primarily intercompany financing transactions, of \$48,000 in the three months ended September 30, 2016, compared to \$229,000 in the three months ended September 30, 2015. We recognized gains from foreign currency transactions, primarily intercompany financing transactions, of \$51,000 in the nine months ended September 30, 2016, compared to \$208,000 in the nine months ended September 30, 2015.

Income Taxes

We recorded income tax expense of \$21,000 in both the three months ended September 30, 2016 and the three months ended September 30, 2015. We recorded income tax expense of \$108,000 in the nine months ended September 30, 2016, compared to \$61,000 in the nine months ended September 30, 2015. Income tax expense in the three and nine months ended September 30, 2016, and the three and nine months ended September 30, 2015, includes minimal state income tax expense and foreign income tax expense incurred by our subsidiaries in the United Kingdom and China. Income tax expense in the three and nine months ended September 30, 2016 also includes U.S. federal alternative minimum taxes.

At September 30, 2016, we continue to have a valuation allowance recorded against all of our U.S. and Singapore based net deferred tax assets. We have generated significant profits in the first nine months of 2016. If this trend were to continue, and based on our favorable long-term financial outlook, we may conclude in the near future that a valuation allowance for all or a portion of our U.S. and Singapore based net deferred tax assets is no longer needed. Reversing all or a portion of the valuation allowance could result in a significant one-time non-cash income tax benefit. In addition, once a significant portion of the valuation allowance is reversed, reported income tax expense will increase in future periods. The timing of cash payments for income taxes would not be impacted.

The Inland Revenue Authority of Singapore recently completed a review of our 2012 income tax return. The review did not result in payment of any additional tax or change in our taxable income.

Backlog

Backlog totaled \$12.4 million at September 30, 2016, \$14.7 million at June 30, 2016 and \$10.5 million at September 30, 2015. Our products are typically shipped two weeks to two months after receipt of an order. Sales of some SMT inspection system products may require customer acceptance due to performance or other acceptance criteria included in the terms of sale. For these SMT product sales, revenue is recognized at the time of customer acceptance. Our backlog at any time may vary significantly based on the timing of orders from OEM customers. Accordingly, backlog may not be an accurate indicator of performance in the future.

Liquidity and Capital Resources

Our cash and cash equivalents increased by \$3.2 million in the nine months ended September 30, 2016, principally resulting from \$5.6 million of cash provided by operating activities, proceeds of \$5.0 million from sales and maturities of marketable securities, and proceeds of \$606,000 from stock option exercises and purchases of shares of common stock under our Employee Stock Purchase Plan. Cash provided by these activities was offset in part by purchases of marketable securities totaling \$6.9 million and purchases of fixed assets and patent costs totaling \$1.1 million. Our cash and cash equivalents fluctuate in part because of sales and maturities of marketable securities and investment of cash balances in marketable securities, and from other sources of cash. Accordingly, we believe the combined balances of cash and marketable securities provide a more reliable indication of our available liquidity than cash balances alone. Combined balances of cash and marketable securities increased by \$5.2 million to \$22.8 million as of September 30, 2016 from \$17.6 million as of December 31, 2015.

Operating activities provided \$5.6 million of cash in the nine months ended September 30, 2016. Cash provided by operations included net income of \$5.5 million, which included non-cash expenses totaling \$2.2 million for depreciation and amortization, provision for doubtful accounts, deferred income taxes, non-cash gains from foreign currency transactions and equity-based compensation costs. Changes in operating assets and liabilities providing cash included a decrease in inventories of \$1.2 million and an increase in accrued expenses of \$1.5 million. Changes in operating assets and liabilities using cash included an increase in accounts receivable of \$4.0 million, an increase in other assets of \$303,000 and a decrease in accounts payable of \$304,000. Inventories decreased due to customer acceptance of our remaining MX600 backlog, offset in part by new inventory purchases necessary to manufacture products required to meet future sales requirements. Accrued expenses were higher mainly due to incentive compensation and warranty accruals resulting from our improved financial performance and higher sales levels. Accounts receivable increased because sales were \$3.6 million higher in the third quarter of 2016, when compared to the fourth quarter of 2015. Other assets increased due to payments for income tax deposits and recoverable goods and services taxes. The accounts payable decrease resulted from the reduction in inventory and the timing of payments to suppliers.

Investing activities used \$3.0 million of cash in the nine months ended September 30, 2016. Changes in the level of investment in marketable securities, resulting from the purchases, sales and maturities of those securities used \$1.9 million of cash in the nine months ended September 30, 2016. We used \$1.1 million of cash in the nine months ended September 30, 2016 for the purchase of fixed assets and capitalized patent costs.

Financing activities provided \$606,000 of cash in the nine months ended September 30, 2016 due to the exercise of stock options and purchases of shares of common stock under our Employee Stock Purchase Plan.

Our Board of Directors has authorized a \$2.0 million common stock repurchase program. The common stock may be acquired from time to time in open market transactions, block purchases and other transactions complying with the Securities and Exchange Commission's Rule 10b-18. As of September 30, 2016, no shares have been repurchased under this authorization.

At September 30, 2016, we did not have any relationships with unconsolidated entities or financial partnerships, such as entities often referred to as structured finance or special purpose entities, which are established by some companies for the purpose of establishing off-balance sheet arrangements or for other contractually narrow or limited purposes.

Except for obligations under facility leases and purchase contracts, we had no material commitments for expenditures as of September 30, 2016. Purchase commitments for inventory can vary based on the volume of revenue and resulting inventory requirements.

Our cash, cash equivalents and marketable securities totaled \$22.8 million at September 30, 2016. We believe that on-hand cash, cash equivalents and marketable securities, coupled with anticipated future cash flow from operations, will be adequate to fund our cash flow needs for the foreseeable future, including the contractual obligations mentioned above.

Inflation and Foreign Currency Transactions

Changes in our revenues have resulted primarily from new product introductions, variations in the level of unit shipments due to competitive factors and the relative strength or weakness of the worldwide electronics and semiconductor fabrication capital equipment markets. We believe that inflation has not had a significant effect on our operations.

Most of our international export sales are negotiated, invoiced and paid in U.S. dollars. We manufacture our SMT inspection system products in Singapore and a portion of our raw material purchases are denominated in Singapore dollars. We also have research and development and sales personnel located in Singapore and sales offices located in other parts of the world. Although currency fluctuations do not significantly affect our revenue, they can impact our costs and influence the price competitiveness of our products and the willingness of existing and potential customers to purchase these products.

ITEM 3 – QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Not applicable.

ITEM 4 – CONTROLS AND PROCEDURES

a. Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we evaluated the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934 (the “Exchange Act”). Based upon that evaluation, the Chief Executive Officer and Chief Financial Officer concluded that, as of the end of the period covered by this report, our disclosure controls and procedures were effective in ensuring that 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 applicable rules and forms and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, in a manner that allows timely decisions regarding required disclosure.

b. There was no change in our internal control over financial reporting (as defined in Rule 13a-15(f) under the Exchange Act) that occurred during the period covered by this quarterly report that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II. OTHER INFORMATION

ITEM 1A – RISK FACTORS

In addition to the other information set forth in this report, you should carefully consider the factors discussed in Part I “Item 1A. Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2015, which could materially affect our business, financial condition or future results.

ITEM 6 – EXHIBITS

- 31.1: Certification of Chief Executive Officer pursuant to Rule 15d-14(a)(17 CFR 240.15d-14(a)) and Section 302 of the Sarbanes Oxley Act of 2002
- 31.2: Certification of Chief Financial Officer pursuant to Rule 15d-14(a)(17 CFR 240.15d-14(a)) and Section 302 of the Sarbanes Oxley Act of 2002
- 32: Certification of Chief Executive Officer and Chief Financial Officer Pursuant to Section 906 of the Sarbanes Oxley Act of 2002
- 101: Financial statements formatted in Extensible Business Reporting Language: (i) the Condensed Consolidated Balance Sheets, (ii) the Condensed Consolidated Statement of Operations, (iii) the Condensed Consolidated Statements of Comprehensive Income (Loss), (iv) the Condensed Consolidated Statements of Cash Flows and (v) the Notes to the Interim Condensed Consolidated Financial Statements.

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.

CYBEROPTICS CORPORATION

/s/ Subodh Kulkarni

By Subodh Kulkarni, President and Chief Executive Officer
(Principal Executive Officer and Duly Authorized Officer)

/s/ Jeffrey A. Bertelsen

By Jeffrey A. Bertelsen, Vice President, Chief Financial
Officer and Chief Operating Officer
(Principal Accounting Officer and Duly Authorized Officer)

Dated: November 8, 2016

I, Subodh Kulkarni, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of CyberOptics Corporation.
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 8, 2016

/s/ Subodh Kulkarni

Signature

Name: Subodh Kulkarni

Title: President and Chief Executive Officer

I, Jeffrey A. Bertelsen, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of CyberOptics Corporation.
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 8, 2016

s/ Jeffrey A. Bertelsen

Signature

Name: Jeffrey A. Bertelsen

Title: Vice President, Chief Financial Officer and Chief Operating Officer

**CERTIFICATION PURSUANT TO
18 U.S.C. §1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of CyberOptics Corporation (the "Company") on Form 10-Q for the period ended September 30, 2016 as filed with the Securities and Exchange Commission on or about the date hereof (the "Report"), the undersigned, Subodh Kulkarni, Chief Executive Officer of the Company, and Jeffrey A. Bertelsen, Chief Financial Officer of the Company, each certify, pursuant to 18 U.S.C. §1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Subodh Kulkarni

Subodh Kulkarni

President and Chief Executive Officer

November 8, 2016

/s/ Jeffrey A. Bertelsen

Jeffrey A. Bertelsen

Vice President, Chief Financial Officer and Chief Operating Officer

November 8, 2016

END OF FILING