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

FORM 6-K

Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 under the Securities Exchange Act of 1934

For the Month of February 2011

CAMTEK LTD. (Translation of Registrant's Name into English)

Ramat Gavriel Industrial Zone
P.O. Box 544
Migdal Haemek 23150
ISRAEL
(Address of Principal Corporate Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F x Form 40-F o

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities and Exchange Act of 1934.

Yes o No x

SIGNATURE

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.

CAMTEK LTD. (Registrant)

By: /s/ Mira Rosenzweig

Mira Rosenzweig, Chief Financial Officer

Dated: February 22, 2011

Camtek Ltd.

P.O.Box 544, Ramat Gabriel Industrial Park

Migdal Ha'Emek 23150, ISRAEL

Tel: +972 (4) 604-8100 Fax: +972 (4) 644-0523 E-Mail: Info@camtek.co.il Web site: http://www.camtek.co.il

Contact Details:

CAMTEK

Mira Rosenzweig CFO Tel: +972-4-604-8308

Fax: +972-4-604 8300 Mobile: +972-54-9050703

mirar@camtek.co.il

INVESTOR RELATIONS CCG Investor Relations Ehud Helft / Kenny Green

Tel: (US) 1 646 201 9246 camtek@ccgisrael.com

CAMTEK ANNOUNCES FOURTH QUARTER AND FULL YEAR 2010 RESULTS

64% year over year increase in 2010 revenues and 48% year over year growth in fourth quarter revenue with continued improvement in gross margins

MIGDAL HAEMEK, Israel – February 22, 2011 – Camtek Ltd. (NASDAQ and TASE: CAMT), today announced its financial results for the fourth quarter and full year ended December 31, 2010.

Main Quarterly Financial Highlights

- Sequential quarterly revenue increase of 6% and year-over-year fourth quarter increase of 48% to \$25.4 million.
- •Non-GAAP gross margin of 47.2% for the quarter compared with 43.0% in the fourth quarter of last year; GAAP gross margins of 46%.
- •Non-GAAP operating income of \$2.3 million and non-GAAP net income of \$2.1 million; GAAP operating income of \$1.8 million and GAAP net income of \$1.3 million.
- •Positive operating cash flow of \$1.8 million in the quarter; cash and cash equivalents balance increased by \$1.6 million during the quarter, ending the year with cash of \$14.8 million.

Main Yearly Financial Highlights

- 2010 revenues of \$87.8 million, growing 64% year-over-year.
- Non GAAP full year gross margin improved to 44.8% compared with 39.5% last year.
- Non-GAAP operating income of \$6.4 million and net income of \$5.7 million; GAAP operating income of \$4.9 million and net income of \$2.8 million.

Results for the three months period and full year ended December 31, 2010 on a non-GAAP basis, exclude the following items: (i) expenses with respect to the acquisitions of SELA and Printar; (ii) share based compensation expenses (iii) restructuring expenses due to reorganization in the Company's subsidiaries in Europe and China; and (vi) inventory write off. Reconciliation between the GAAP and non-GAAP results appears in the tables at the end of this press release.

Fourth Quarter 2010 Financial Results

Revenues for the fourth quarter of 2010 increased 48% to \$25.4 million, compared to \$17.2 million in the fourth quarter of 2009. Revenues grew 6% sequentially and came in slightly above the formerly issued guidance range of

between \$22-25 million. The continued growth is as a result of the continued increase in demand from customers as well as penetration into new customers and increasing sales of the Company's new products.

Gross profit on a GAAP basis in the quarter totaled \$11.7 million (46% of revenues), compared with \$3.7 million (22% of revenues) in the fourth quarter of 2009. Gross profit on a non-GAAP basis in the quarter totaled \$12.0 million (47.0% of revenues), compared with \$7.3 million (43% of revenues) in the fourth quarter of 2009. The improvement in the gross margin resulted mainly from the increase in revenues.

Operating income on a GAAP basis in the quarter was \$1.8 million (7% of revenues) compared with an operating loss of \$3.2 million in the fourth quarter of 2009. Non-GAAP operating income was \$2.3 million (9% of revenues) in the quarter compared with an operating income of \$0.8 million in the fourth quarter of 2009.

Non-GAAP operating expenses in the quarter reached \$9.7 million, a sequential increase of \$1.2 million mainly due to an increase in R&D expenses mainly related to new product development as well as higher legal expenses related to patent litigation with a competitor.

Net income on a GAAP basis for the fourth quarter of 2010 totaled \$1.3 million, or \$0.04 per diluted share, compared to a net loss of \$4.0 million, or loss of \$0.14 per share in the fourth quarter of 2009.

On a non-GAAP basis, net income in the fourth quarter of 2010 was \$2.1 million, or \$0.07 per diluted share, compared with net income of \$0.5 million, or \$0.02 per diluted share in the fourth quarter of 2009.

Cash and cash equivalents including restricted cash as of December 31, 2010 was \$14.8 million (of which \$5.2 million is restricted). In the quarter, the company generated a positive operating cash flow of \$1.8 million. In addition, during the fourth quarter, the Company took an additional bank loan, net of repayment, of \$0.6 million and invested \$0.8 million in capital expenditure, mainly investing in and improving its infrastructure in China.

Full Year 2010 Results Summary

Revenues for the full year of 2010 were \$87.8 million, an increase of 64% compared to \$53.5 million, as reported in 2009.

Gross profit on a GAAP basis for 2010 was \$38.4 million (43.8% of revenues) compared to gross profit of \$17.5 million (33.0% of revenues) in 2009. Gross profit for the year on a non-GAAP basis, was \$39.3 million (44.8% of revenues), compared to \$21.1 million (39.5% of revenues) in 2009.

Operating income in 2010 on a GAAP basis was \$4.9 million compared to an operating loss in 2009 of \$10.5 million. Non-GAAP operating income in 2010 was \$6.4 million compared to an operating loss in 2009 of \$6.4 million.

Net income on a GAAP basis for 2010 was \$2.8 million compared to a net loss of \$11.8 million in 2009.

Net income on a non-GAAP basis for 2010 was \$5.8 million, compared to a net loss in 2009 of \$7.1 million.

Management Comment

Roy Porat, Camtek's Chief Executive Officer, commented, "Our revenues for the quarter were even slightly higher than the guidance range we provided last quarter, as our customers are expanding their capacity faster than we had anticipated. While we did face some increased operating expenses in the quarter, overall we are delighted with our results and progress, ending a strong turnaround year for Camtek. We came into 2010 at the start of a recovery in the main two industries in which we operate: that of PCB and Semiconductors. We also see much potential for our two recently acquired growth engines: SELA and Printar, and our new inspection tool to the Front End market, the GANNET, and we are very pleased with how these businesses have advanced throughout the year. We made initial sales of the GANNET and SELA machines and we are making headway with evaluations at some highly strategic customers. We started our beta-test on Printar's DMD product, which is proceeding according to our milestone timeline, and we believe that we are in a position to target initial installations in the second half of this year."

Concluded Mr. Porat, "In terms of our outlook for the first quarter of 2011, we anticipate maintaining our current levels of revenue, between \$25-\$27 million. This indicates a continued strength in our markets, especially since the first quarter is seasonally weaker, as it coincides with the Chinese New Year- China being a region where many of our customers are located. In terms of our ongoing operating expenses excluding legal expenses, we expect some increase in 2011 compared with the run-rate of the fourth quarter, due to an increase in employee related and R&D expenses, mainly due to the expansion of investments in our new product lines. Finally, we believe that our business will continue to grow into 2011and that our new products and growth engines will contribute significantly to our revenues."

Conference Call

Camtek will host a conference call today, February 22, 2011, at 10:00 am ET.

Roy Porat, Chief Executive Officer and Mira Rosenzweig, Chief Financial Officer, will host the call and will be available to answer questions after presenting the results.

To participate, please call one of the following telephone numbers a few minutes before the start of the call.

US: 1 888 668 9141 at 10:00 am Eastern Time Israel: 03 918 0609 at 5:00 pm Israel Time

International: +972 3 918 0609

For those unable to participate, the teleconference will be available for replay on Camtek's website at http://www.camtek.co.il/ beginning 24 hours after the call.

ABOUT CAMTEK LTD.

Camtek Ltd provides automated solutions dedicated for enhancing production processes and yield, enabling our customer's new technologies in two industries: Semiconductors, Printed Circuit Board (PCB) & IC Substrates.

Camtek addresses the specific needs of these industries with dedicated solutions based on a wide and advanced platform of technologies including intelligent imaging, image processing, ion milling and digital material deposition. Camtek's solutions range from micro-to-nano by applying its technologies to the industry-specific requirements.

This press release is available at www.camtek.co.il.

This press release may contain projections or other forward-looking statements regarding future events or the future performance of the Company. These statements are only predictions and may change as time passes. We do not assume any obligation to update that information. Actual events or results may differ materially from those projected, including as a result of changing industry and market trends, reduced demand for our products, the timely development of our new products and their adoption by the market, increased competition in the industry, intellectual property litigation, price reductions as well as due to risks identified in the documents filed by the Company with the SEC.

Use of non-GAAP Measures

This press release provides financial measures that exclude certain items and are therefore not calculated in accordance with generally accepted accounting principles (GAAP). Management believes that these Non-GAAP financial measures provide meaningful supplemental information regarding our performance. The presentation of this non-GAAP financial information is not intended to be considered in isolation or as a substitute for the financial information prepared and presented in accordance with GAAP. Management uses both GAAP and non-GAAP measures when evaluating the business internally and therefore felt it is important to make these non-GAAP adjustments available to investors.

CAMTEK LTD. and its subsidiaries Consolidated Balance Sheets

1	In	thousands)	١
١	ш	uiousaiius	,

	2010		per 31, 2009 lars (In
			nds)
Assets			/
Current assets			
Cash and cash equivalents	9,577		15,802
Accounts receivable, net	28,817		18,712
Inventories	24,034		14,176
Due from affiliates	384		344
Other current assets	2,414		1,691
Deferred tax asset	88		68
Total current assets	65,314		50,793
Fixed assets, net	15,077		15,394
Long term inventory	2,304		4,661
Restricted deposits *	5,182		-
Deferred tax asset	118		98
Other assets, net	460		460
Intangible assets **	4,163		4,356
Goodwill	3,653		3,653
	15,880		13,228
Total assets	96,271		79,415
Liabilities and shareholders' equity			
Current liabilities			
Short term bank loans	1,409		-
Long term bank loans – current portion	433		-
Accounts payable – trade	9,761		4,494
Convertible loan – current portion	-		1,666
Other current liabilities	21,408		12,945
Total current liabilities	33,011		19,105
Long term liabilities			
Long term bank loans	758		-
Liability for employee severance benefits	626		487
Other long term liabilities **	7,884		8,802
	9,268		9,289
Total liabilities	42,279		28,394
Shareholders' equity			
Ordinary shares NIS 0.01 par value, authorized 100,000,000 shares,			
issued 31,370,359 as of December 31, 2010 and 31,328,119 as of December 31, 2009,			
outstanding 29,277,983 as of December 31,			
2010 and 29,235,743 as of December 31, 2009	132		132
Additional paid-in capital	60,452		60,297
Accumulated losses	(4,694)	(7,510

Edgar Filing: CAMTEK LTD - Form 6-K

	55,890	52,919	
Treasury stock, at cost (2,092,376 as of December 31, 2010 and 2009)	(1,898) (1,898)
Total shareholders' equity		51,021	
Total liabilities and shareholders' equity	96,271	79,415	

(*)Bank guarantee against credit line related to the Rudolph Technologies appeal (**)

Relates to Printar and SELA acquisitions

Camtek Ltd.
Consolidated Statements of Operations

(in thousands, except share data)								
	Year ended December 31, 2010 2009 U.S. dollars				Three months ended December 31, 2010 2009 U.S. dollars			
Revenues	87,780		53,521		25,432		17,222	
Cost of revenues	49,361		36,039		13,745		13,489	
Gross profit	38,419		17,482		11,687		3,733	
Research and development costs	12,906		10,319		3,594		2,771	
Selling, general and administrative expenses	20,662		17,667		6,343		4,181	
, c	,				·		·	
	33,568		27,986		9,937		6,952	
On anoting mustit (loss)	4 051		(10.504	\	1.750		(2.210	
Operating profit (loss)	4,851		(10,504)	1,750		(3,219)
Financial income (expenses), net	(1,478)	(952)	(234)	(599)
	2.272		(11.456		1 716		(2.010	
Income (loss) before income taxes	3,373		(11,456)	1,516		(3,818)
Income tax	(557)	(386)	(203)	(166)
nicone ux	(337	,	(300	,	(203	,	(100	,
Net income (loss)	2,816		(11,842)	1,313		(3,984)
Net income (loss) per ordinary share:								
Basic	0.10		(0.40)	0.04		(0.14)
Busic	0.10		(0.10	,	0.01		(0.14	,
Diluted	0.09		(0.40)	0.04		(0.14)
Weighted average number of ordinary shares outstanding:								
Dagia	20.250		20.219		20.279		20.219	
Basic	29,259		29,218		29,278		29,218	
Diluted	30,360		29,218		29,991		29,218	

Camtek Ltd.
RECONCILIATION OF GAAP TO NON-GAAP RESULTS

(in thousands, except share data)

	Year ended December 31, 2010 2009 U.S. dollars				Three months ended December 31, 2010 2009 U.S. dollars				
Reported net income (loss) attributable to									
Camtek Ltd. on GAAP basis	2,816		(11,842)	1,313		(3,984)	
Acquisition of Colo and Printer related									
Acquisition of Sela and Printar related expenses(1)	2,093		1,264		386		1,164		
Inventory write -downs (2)	159		3,213		159		3,213		
Share-based compensation	155		148		32		-		
Restructuring expenses (3)	544		140		187		-		
Write off of Other assets	-		102		-		102		
Non-GAAP net income (loss)	5,767		(7,117)	2,077		495		
Non-GAAT liet income (1088)	3,707		(7,117)	2,077		473		
Gross margin on GAAP basis	43.8	%	33	%	46	%	22	%	
Reported gross profit on GAAP basis	38,419		17,482		11,687		3,733		
Acquisition of Sela and Printar related									
expenses (1)	731		397		160		397		
Inventory write off (2)	159		3,213		159		3,213		
Non GAAP gross margin	44.8	%	39	%	47.2	%	43	%	
Non-GAAP gross profit	39,309		21,092		12,006		7,343		
Reported Operating loss attributable to									
Camtek Ltd. on GAAP basis	4,851		(10,504)	1,750		(3,219)	
Acquisition of Sela and Printar related									
expenses (1)	731		678		160		678		
Inventory write off (2)	159		3,213		159		3,213		
Share-based compensation	155		148		31		-		
Restructuring expenses (3)	544				187				
Write off of Other assets	-		102		-		102		
Non-GAAP Operating income (loss)	6,440		(6,363)	2,287		774		

⁽¹⁾ During the three and twelve months ended December 31, 2010 and the three and twelve months ended December 31, 2009, the Company recorded acquisition expenses of \$0.4 million, \$2.1 million, and \$1.2 and \$1.3 million, respectively, consisting of: (1) inventory written-up to fair value in purchase accounting charges of \$0 million, \$0.4 million and \$0.4 million for both periods, respectively. These amounts are recorded under cost of revenues line item. (2) Revaluation adjustments of \$0.2 million, \$1.4 million and \$0.5 million and \$0.6 million, respectively, of contingent consideration and certain future liabilities recorded at fair value. These amounts are recorded under finance expenses line item and (3) \$0.16 million, \$0.3 million and \$0.1 million for both periods in 2009 with respect to amortization of intangible assets acquired recorded under cost of revenues line item.

The twelve months ended December 31, 2009 also include restructuring expenses of \$0.2 million related to the integration of the acquired operations, mainly the abandonment of certain rented properties, recorded under general and administrative expenses line item.

- (2) During the year ended December 31, 2009 the Company recorded inventory write downs in the amount of \$2.6 million due to a strategic decision by the Company to discontinue certain old products and an additional amount of \$0.6 million, from a write down of software purchased from a former single source supplier which has been replaced by internally developed software, in the three months and twelve months ended December 31, 2010 the company recorded additional \$0.16 million write off with respect to this inventory.
- (3) The Company has entered into a Memorandum of Understanding with a Belgian company, according to which, commencing June 2010, this company will distribute the Company's products for the PCB industry in Europe, subject to and in accordance with terms and conditions referred to in the agreement. Therefore the Company implemented a restructuring plan in its Belgium subsidiary which includes mainly a reduction in workforce and recorded \$0.3 million as restructuring expenses under selling, general and administrative expenses line item.

During the three and twelve months ended December 31, 2010 the Company recorded \$0.18 million and \$0.1 million of restructuring expense with respect to reorganization in its subsidiaries in China.