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 December 2010

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,

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Chief Financial Officer

Dated: December 22, 2010

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Camtek Ltd.

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CAMTEK LTD.

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INTERNATIONAL INVESTOR RELATIONS

CCG Investor Relations Ehud Helft / Kenny Green Tel: (US) 1 646 201 9246

camtek@ccgisrael.com

Camtek to Present at the Needham Conference in New York on Tuesday, January 11, 2011 at 4:50pm

MIGDAL HA'EMEK, Israel, December 22, 2010- Camtek Ltd. (Nasdaq: CAMT; TASE: CAMT) announced that its Chief Executive Officer, Mr. Roy Porat will present at the Needham Conference.

The conference will be taking place at the New York Palace Hotel in New York. Camtek's CEO is scheduled to present in the Kennedy II Room at 4:50pm Eastern Time on Tuesday, January 11, 2011. The presentation will be simultaneously broadcast from a link in the investor relations section of Camtek's website, or from the following link: http://www.wsw.com/webcast/needham41/camt

At the conference there will also be an opportunity for investors to meet one-on-one with management. Interested investors should contact the conference organizers at Needham, or the Investor Relations team at Camtek at camtek@ccgisrael.com.

ABOUT CAMTEK LTD.

Camtek Ltd provides automated solutions dedicated for enhancing production processes and yield, enabling our customers 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, price reductions as well as due to risks identified in the documents filed by the Company with the SEC.