

**CAMTEK LTD.**  
**PROXY FOR ANNUAL GENERAL MEETING OF SHAREHOLDERS**  
**July 21, 2010**

**(This proxy is solicited by the Board of Directors of Camtek Ltd.)**

The undersigned shareholder of Camtek Ltd. hereby appoints Messrs. **Rafi Amit** and **Yotam Stern**, or either of them, with full power of substitution, proxies to vote the shares which the undersigned could vote if personally present at the Annual General Meeting of Shareholders of Camtek Ltd., to be held at the law offices of Shibolet & Co., at the Museum Tower, 4 Berkowitz St., Tel-Aviv, Israel, on July 21, 2010 at 4:00 P.M. local time.

ITEM 1. **REELECTION OF DIRECTORS** (as described in the Proxy Statement)

NOMINEES:

Rafi Amit  
Yotam Stern  
Eran Bendoly

FOR ALL                       WITHHOLD ALL                       FOR ALL EXCEPT:

INSTRUCTION: To withhold authority to vote, mark "For All Except" and write the nominee's name on the line below.

ITEM 2. **RATIFICATION OF THE EMPLOYMENT AND COMPENSATION STRUCTURE OF THE CHIEF EXECUTIVE OFFICER** (for terms as described in the Proxy Statement)

	FOR	AGAINST	ABSTAIN
2A. Shareholders who DO NOT have a personal interest (as such term is defined in the Companies Law) in the ratification of the employment and compensation structure of Mr. Rafi Amit should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2B. Shareholders who HAVE a personal interest (as such term is defined in the Companies Law) in the ratification of the employment and compensation structure of Mr. Rafi Amit should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

A vote indicated under Item 2A will be deemed a representation that the undersigned does not have a personal interest for the purpose of this Item, and a vote indicated under Item 2B will be deemed a representation that the undersigned does have a personal interest for the purpose of this Item. If a vote is indicated in both Item 2A and 2B, then the vote indicated in Item 2A will be disregarded.

ITEM 3. **APPROVAL OF THE COMPANY'S DIRECTORS AND OFFICERS LIABILITY INSURANCE POLICY FOR 2009-2010 AND FOR SUBSEQUENT PERIODS** (for terms as described in the Proxy Statement)

FOR  AGAINST  ABSTAIN

ITEM 4. **APPOINTMENT OF JOINT INDEPENDENT AUDITORS**

FOR  AGAINST  ABSTAIN

With respect to the proposal to appoint Somekh Chaikin, a member firm of KPMG International, and Raveah Ravid, as the Company's joint independent auditors for fiscal year ending December 31, 2010, and the authorization of the Board of Directors to determine the auditors' fees, following the recommendation of the Audit Committee.

**SHOULD THIS PROXY BE SENT WITHOUT SPECIFYING A VOTE IN ITEM 2, THEN IT WILL NOT BE COUNTED AS A VOTE REGARDING THE ITEM; SHOULD THIS PROXY BE SENT WITHOUT SPECIFYING A VOTE IN EITHER ITEMS 1, 3 OR 4, THEN IT WILL BE COUNTED AS A "FOR" VOTE FOR THE RELEVANT ITEM. ON ANY OTHER BUSINESS THAT MAY PROPERLY COME BEFORE THE MEETING, THIS PROXY WILL BE VOTED IN ACCORDANCE WITH THE JUDGEMENT OF THE PERSONS NAMED ABOVE AS PROXIES.**

Note: Please date and sign exactly as your name appears on the envelope in which this Proxy was mailed. If shares are held jointly, each shareholder should sign. Executors, administrators, trustees, etc. should use full title and, if more than one, all should sign. If the shareholder is a corporation, please sign full corporate name by an authorized officer. If the shareholder is a partnership, please sign full partnership name by an authorized person.

\_\_\_\_\_  
Printed Name(s) of Shareholder

\_\_\_\_\_  
Signature(s) of Shareholder

Dated: \_\_\_\_\_