

CAMTEK LTD.
PROXY FOR ANNUAL GENERAL MEETING OF SHAREHOLDERS
April 20, 2009

(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 April 20, 2009 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. **REELECTION OF OUTSIDE DIRECTORS** (for terms as described in the Proxy Statement)

NOMINEES:

Raphael Koriat
Gabriela Heller

2a. To reelect Raphael Koriat as an outside director

	FOR	AGAINST	ABSTAIN
2A. Shareholders who ARE NOT controlling shareholders (as such term is defined in the Companies Law) should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2B. Shareholders who ARE controlling shareholders (as such term is defined in the Companies Law) should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2b. To reelect Gabriela Heller as an outside director

	FOR	AGAINST	ABSTAIN
2A. Shareholders who ARE NOT controlling shareholders (as such term is defined in the Companies Law) should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2B. Shareholders who ARE controlling shareholders (as such term is defined in the Companies Law) 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 is not a controlling shareholder for the purpose of this Item, and a vote indicated under Item 2B will be deemed a representation that the undersigned is a controlling shareholder 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. **AUTHORIZATION TO THE COMPANY'S CHAIRMAN OF THE BOARD OF DIRECTORS TO ALSO SERVE AS THE COMPANY'S CHIEF EXECUTIVE OFFICER** (for a term as described in the Proxy Statement)

	FOR	AGAINST	ABSTAIN
3A. Shareholders who ARE NOT controlling shareholders (as such term is defined in the Companies Law) should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3B. Shareholders who ARE controlling shareholders (as such term is defined in the Companies Law) should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

A vote indicated under Item 3A will be deemed a representation that the undersigned is not a controlling shareholder for the purpose of this Item, and a vote indicated under Item 3B will be deemed a representation that the undersigned is a controlling shareholder for the purpose of this Item. If a vote is indicated in both Item 3A and 3B, then the vote indicated in Item 3A will be disregarded.

ITEM 4. **GRANT OF RESTRICTED SHARE UNITS (RSUs) TO THE COMPANY'S CHAIRMAN OF THE BOARD AND CHIEF EXECUTIVE OFFICER AND TO THE COMPANY'S DIRECTOR AND EXECUTIVE VICE PRESIDENT, BUSINESS & STRATEGY, PURSUANT TO THE COMPANY'S 2007 RESTRICTED SHARE UNIT PLAN** (as described in the Proxy Statement)

GRANTEES:

Rafi Amit

Yotam Stern

4a. To grant 5,400 RSUs to Rafi Amit:

	FOR	AGAINST	ABSTAIN
4A. Shareholders who DO NOT have a personal interest (as such term is defined in the Companies Law) in the grant of RSUs to Rafi Amit should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4B. Shareholders who HAVE a personal interest (as such term is defined in the Companies Law) in the grant of RSUs to Rafi Amit should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4b. To grant 2,160 RSUs to Yotam Stern:

	FOR	AGAINST	ABSTAIN
4A. Shareholders who DO NOT have a personal interest (as such term is defined in the Companies Law) in the grant of RSUs to Yotam Stern should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4B. Shareholders who HAVE a personal interest (as such term is defined in the Companies Law) in the grant of RSUs to Yotam Stern should indicate their vote here:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

A vote indicated under Item 4A 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 4B 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 4A and 4B, then the vote indicated in Item 4A will be disregarded.

ITEM 5. RATIFICATION OF REAPPOINTMENT OF JOINT INDEPENDENT AUDITORS

FOR AGAINST ABSTAIN

With respect to the proposal to ratify the reappointment of Baker Tilly, Horowitz Idan Goldstein Sabo Tevet and Somekh Chaikin, a member firm of KPMG International, as the Company's joint independent auditors for fiscal year ended December 31, 2008, and to ratify the setting by the

Board of Directors of the annual compensation of the auditors for fiscal 2008, at the Audit Committee's recommendation.

ITEM 6. **REAPPOINTMENT OF JOINT INDEPENDENT AUDITORS**

FOR AGAINST ABSTAIN

With respect to the proposal to reappoint Baker Tilly, Horowitz Idan Goldstein Sabo Tevet and Somekh Chaikin, a member firm of KPMG International, as the Company's joint independent auditors for fiscal year ending December 31, 2009, 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 ITEMS 2, 3 OR 4, 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, 5 OR 6, 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: _____