



Israel Police

Israel national Police

Technology Administration/Communication Division

Police Officers' Body worn camera

Request for Information and Demonstration

December 2015

Police Officers' Body worn Camera

Request for Information (RFI) and System Demonstration (RFD)

1. Background

- a. The Israel Police (henceforth: the "Police") intends to reevaluate the use of standalone wearable tiny cameras (henceforth: "Body Camera") designed for use by the police and law enforcement for the purpose of documenting police encounters with civilians.

2. The Objective of the Request

- a. The objective of this request is obtaining information regarding Body worn Cameras and reviewing their integration in the Israel Police law enforcement activities as described below:
 - 1) Information regarding the market/ companies/ manufacturers/ distributors dealing in the field of Body worn Cameras.
 - 2) Testing the system's life cycle, from the documentation stage to the Court File preparation stage.
 - 3) Studying current systems for the formation of police executive, operational and technical requirements.

3. General

- a. Information providers are required to include in their response as much information as possible respective of the request.
- b. This application and participation in the RFD/RFI process do not constitute an obligation of any kind on the Israel Police part regarding the publication of a tender and or the execution of any follow-up activity to this process, including also future purchasing. It should be pointed out that a connection, (if any), shall be carried out in accordance with the Mandatory Tenders Law and its Regulations.
- c. The response to this request or its contents do not in themselves impart any advantage or disadvantage to any of the information providers.
- d. The Police is entitled to make use of the information it receives in any way, including among others for the purpose of writing specifications or any other requirements document.
- e. The police is entitled to approach the customers/users and or any other body in order to obtain references and an opinion regarding the participant and the system he/she demonstrates.
- f. The information provider shall not be eligible to any compensation or indemnification on behalf of expenses and or damages caused him in relation to this response.

- g. The Israel Police shall not bear any expense or payment on behalf of a decision to postpone or cancel the project or any other decision made by the Police in relation with the project.
- h. The Israel Police reserves the right to change the terms of its request, to hold clarification meetings with the participants, and or reject the response and or not to proceed to the demonstration stage, all according to its own discretion.
- i. The Israel Police reserves the right to conduct a demonstration according to its own professional and budgetary discretion while considering this document's requirements and subject to the participants' response.

4. Definitions

System – Body Cameras + docking station + command and control system.

Body worn Camera – a tiny standalone camera designed to be worn by police officers.

Docking Station – a tool for loading and transferring the documentation.

5. Method

- a. Publication of a Request for Information (RFI).
- b. Receiving responses in Hebrew or in English to the RFI until 1.2.16.
- c. Analyzing the responses to the RFI and making a decision regarding the models to be ordered for the short term RFD.
- d. Notifying relevant RFI participants about their transition to the short term RFD and issuing a request for provision of samples for testing no later than 16.2.16.
- e. Carrying out the short term RFD in the presence of the Israel Police Communications Division's representatives no later than 1.3.16.
- f. Notifying relevant RFD participants of their transition to the long-term RFD stage and issuing a request for provision of systems for inspection by patrol officers in the field.
- g. Commencing the long-term RFD execution on 1.4.16.
- h. Conclusion of findings.

6. Defining the Need

- a. The Israel national Police is interested in obtaining information regarding the Body worn Cameras' capability to provide an audio visual documentation of the encounter between the police officer and the civilian, throughout its life cycle.
- b. The Police is interested in obtaining information from participants who view themselves as having the ability and knowledge in the Body worn Camera field.

7. Obtaining information (RFI) and conducting demonstrations and tests (RFD):

7.1 First stage – Obtaining information:

- a. The participant will attach to the response, to the extent possible, the data, documents and technical specifications, according to the particulars of Appendix A.
- b. The Israel Police will study the information obtained from the participants and will be entitled to approach all or some of them in order to receive clarifications as well as any additional information.

7.2 The demonstration, Second Stage (Short Term RFD) and Third Stage (Long Term RFD):

7.2.1 The demonstration, at any rate, will be conducted according to the sole discretion of the Israel Police and subject to the time tables, the operational situation and the technical capability to perform these demonstrations.

7.2.2 The demonstrator may be asked to perform the second stage, however, based on IP considerations, will not perform the third stage.

7.2.3 Only participants, who submit the Command and Control System SDK/API to the Israel Police for interface integration in the Israel Police technological systems, will transfer to the demonstration stage.

7.2.4 These systems will also have to comply with:

7.2.4.1 System:

1. A system in the form of a "shelf product".
2. The camera meets or can meet Israeli Standards.
3. The system is accompanied by all the necessary literature (complete technical specifications, operating and maintenance manuals) in Hebrew and or English.

7.2.4.2 The Camera:

1. Resolution 640X480 with possible increase.
2. 30 second photo holding possibility prior to pressing record (these 30 seconds will not have audio recording)
3. Filming time at least 8 hours.

4. Internal storage capacity integral 16GB Class 6 SD/SDHC.
5. Camera body meets the minimum IP 54 standard requirements.
6. The company must specify all indications applying to the camera power on, transfer to off mode, record mode, battery mode, voice indication.
7. Filming speed will be at least 30 frames/ second.
8. Filming format MPEG4.
9. Compression H264.
10. Content protection at least AES256.
11. Sound – bandwidth at least 10K-100 HZ
12. Sound – Signal to Noise Ratio (SNR) at least 60 DB

7.2.4.3 The Lens

1. Minimum Lens Aperture 120 degrees horizontal and 90 degrees vertical.
2. Automatic Day and Night filming capacity LUX 0.8

7.2.4.4 Battery

1. Integral rechargeable replaceable battery.
2. Resistant in extreme weather conditions between 10- to 60+ degrees C.
3. At least 1000 charge cycles.
4. Charge time up to 50% from shooting time.
5. Possible charging with V220 and V12. (Chargeable in vehicle or by Israeli voltage compatible power socket).

7.2.4.5 General Requirements

1. The camera should be operated by a single mechanical button.
2. Digital signature for filming files.
3. Photographed material protection – documentation unloading will be possible only through the Docking Station and using a designated program.
4. A designated image management program supporting WIN8.1 and later version operating systems.
5. A designated wearable device to maintain its stability.

7.2.4.6 Connections

1. Battery charging and data unloading will be done through a multi-cell docking station with a connection to an RG45 type network.
2. The camera will connect to police systems through a USB3 device.
3. The cameras will be non-Wi-Fi.

7.2.4.7 Command and Control System

1. Camera generated data will be automatically transmitted to the National Command and Control Center via the manufacturer's Control program.
2. System management will be conducted respective of the permission level granted to end users and no viewing, transmission and or deletion of documented material will be enabled without it.
3. When the camera is connected to a computer/tablet (with or without docking station), the system must recognize the camera's storage device and be able to browse files.
4. The system must support browsing/viewing files and writing metadata on the videos/photos to be saved on camera, using an application written in C# language on the Microsoft WinRT infrastructure in windows apps technologies (for windows 8.1) and in Universal Windows Platform (for windows 10).
5. System support may be provided both by the infrastructure's built-in capabilities and by the product's SDK software package.
6. A Demo in C# language that will make use of the camera and will browse and access files, must be provided on the WinRT, alongside SDK.
7. Moreover, in addition to paragraphs 4-6, the system must support file browsing/viewing and metadata writing on videos/images to be saved on the camera, from an application written in the infrastructure on NET framework. (Version 4
8. minimum).
9. The participant must specify all the file types the camera is able to produce.

7.3 Demonstration

7.3.1 Second stage – short term demonstration:

- a. The Israel Police may ask participants whose systems meet the requirements under paragraph 7.2, to conduct a short term demonstration for their inspection.
- b. A participant asked to supply systems for demonstration, will deliver at least 3 systems of each model asked.
- c. Demonstration will be conducted at the Police Headquarters in Israel.
- d. The participant will deliver the Command and Control Program including its SDK/API to the Israel Police within 24 hours from the police request. End units will be delivered within 14 calendar days from the police request.
- e. Upon systems delivery, and no later than 24 hours from the above mentioned time, the participant will conduct instruction and short term demonstration, after which the systems will be left in possession of the Israel Police for the purpose of lab testing over a period of at least two months.
- f. No compensation will be awarded for the systems ,as part of the second stage – short term demonstration.

7.3.2 Third stage – long term demonstration:

- a. Due to technical, operational and other constraints, only 3 different systems will be transferred to the RFD stage in the long run. These systems will be those that participated in the short term RFD, were tested by the professional team of the Israel Police Technology Administration and were found to comply with the requirements.
- b. In the event more than three systems are found, the systems will be graded according to the following criteria:
 - 1) Ease of creating an interface between the system and the Israel Police computer systems – 40 points
 - 2) Ease of operation and use of the system – 20 points.
 - 3) Convenience of camera position on officer's body – 10 points.
 - 4) Camera stability on officer's body – 5 points.
 - 5) Experience with use of the camera by law enforcement agencies worldwide – 5 points.
 - 6) General impression – 20 points.
- c. The 3 systems awarded the highest cumulative score will be transferred to the long term demonstration phase.

- d. To perform the long term demonstration the participant will transfer 50 systems for inspection in practice. These systems with all their components will be examined by the participant prior to their delivery to the hands of the Israel Police and will be in order and fully operational.
- e. The participant will transfer the systems according to the quantity and model required by the Israel Police within 14 calendar days from the submission of the Police request.
- f. The Police will be entitled to conduct operation tests and technical inspections of the system as it deems necessary and all in accordance with the manufacturer's instructions.
- g. The demonstration will be conducted by operation of the systems at the Police by patrol officers during their routine work in the field.
- h. The demonstration period will span about 3 months.
- i. A participant taking part in the long term demonstration will receive NIS 1000 (including VAT) for each system. No additional compensation will be awarded for the performance of the RFD.
- j. Throughout the demonstration period, the participant is obliged to remain in Israel and or be represented in Israel in order to provide technical support to the Command and Control system. The support will be carried out by the participant's representative who will arrive in person top the sites in which the system was installed.
- k. In addition, the participant undertakes to provide technical support to the Police's development teams during the POC development.
- l. In order to participate in the long term demonstration and to assure its continued use, the participant will have to provide repair and maintenance services in one of the following alternatives:
 - 1) The participant must be in Israel and or have a representative in Israel. In this case, to the extent that during the demonstration the system or a component in the system is found faulty, the participant will repair the fault within the shortest time and no longer than 48 hours and or substitute the system within the aforesaid time.
 - 2) The participant will provide technical superiority in favor of the demonstration that will allow the Israel Police to substitute a system during the demonstration. It should be clarified that for such technical superiority the participant will not receive the compensation mentioned in paragraph i) above.

m. Participants are required to submit a response in Hebrew or in English and on digital media to the communications and electronics department, to first sergeant David Cohen, National Police Headquarters, Ramla, 41 Ba'alei Melacha St., Ramla Industrial Zone, until the 01.02.16, in accordance with the specifications of the above requirements.

Responses may also be submitted by email to:

daviddarom@police.gov.il

8. General Terms:

- a. The IP reserves the right to hold clarification meetings with the company and or reject the response and or conduct a part of the demonstration process as described in this document, all according to its own discretion.
- b. Based on the demonstration results, the Police will be entitled to characterize products/means all in accordance with its own discretion and subject to the Mandatory Tenders Law.
- c. To the extent the IP decides to purchase a system, the purchase will be done in according to a specific tender that may differ from the requirements specified in this document and in accordance with the Mandatory Tenders Law.
- d. The IP may extend and or postpone the dates specified in this document according to its own sole discretion.
- e. The participant will disclose in his written information the names of representatives qualified on his behalf to submit clarifications and or hold meetings with the Israel Police.
- f. In the event a demonstrator begins a demonstration and asks to stop in in the mid-demonstration, the IP will be entitled to demand compensation from the demonstrator on behalf of all the resources allocated to the demonstrator in the demonstration.

Appendix A – Response Table

No.	Topic	Required Information	
1.	Offeror details	Participant's name	
2.		Contact details	
3.		Telephone	
4.		Fax	
5.		Email	
6.		Address	
7.	General information about the Offeror/manufacturer	Participant's classification (Manufacturer/ supplier etc.)	
8.		Years of activity	
9.		Lines of Business	
10.		Number of systems supplied by the manufacturer in the last 3 years	
11.		Offeror's and Manufacturer's experience details in the area of Body worn Cameras	
12.	General Information and experience with offered systems	Systems Status (shelf product, development, pilot, trial, operational etc.)	
13.		Specification of customers using the systems, including systems types and numbers and duration of use	
14.		Details of customer contacts, including names, telephones, email addresses	
15.		Details of components supplied by the offeror to customers, including service, maintenance and operation components	
16.		Estimated schedule for systems delivery	
17.		Systems compliance standards – attach documents certifying compliance according to official institutes	
18.		Training and authorization required for system operation	

No.	Topic	Required Information	
19.		Detailing and attaching all existing documentation (full technical specifications, operation manuals, ,maintenance book, etc.) in Hebrew and or English	
20.	Capabilities, performance and systems data	Description of system components and each component's function	
21.		Method of carrying on officer's body	
22.		System operation manner	
23.		Information manner of storage in the system worn by the officer until its transfer to a central data pool.	
24.		Detailed information regarding the system's video and sound quality, being clear of and blinding effects, smearing, noise, environmental lighting and so on, in any environment and lighting.	
25.	Capabilities, performance and systems data	Specification of all system components' resistance to environmental conditions (particularly temperature, humidity, soot, rain, wind, solar radiation and dust).	
26.		Details of existing safety measures in the system, designed to protect its operators and people in their vicinity during all operation conditions.	
27.		Specification of body camera automatic operation functions (sirens, body indexes, etc.)	
28.		Detailing of operation interface languages, menus and sub-menus in the system and in the event they are not in Hebrew, the implication of their conversion to Hebrew.	

No.	Topic	Required Information	
29.	Capabilities, performance and systems data	Detailing of information and data provided by the system automatically during each event, e.g.: event sequence number, operating officer's details, date, time, location and watermark.	
30.		Specification of the system's shooting angles (field of vision)	
31.		Specification of the system's capability to stabilize video shooting	
32.		Specification of the system's capability to filter background noise, winds and so on from the recorded voice.	
33.		Specification of lens resolution and video recording format	
34.		Camera's shooting and waiting times.	
35.		Effective shooting distance. And detailing of all types of files produced by the camera	
36.		Specification of shooting sensitivity level in dark conditions	
37.		Specification of operating and storage temperature range	
38.		Detailing indicator lights existing in the system and indicating charge level, charge process, battery empty, recording etc.	
39.		Description of charging options, charge time and life time of rechargeable battery.	
40.		Description of unloading information from the camera to the central data pool, including transfer times to the communication network.	
41.		Specification of automatic erasing capabilities after unloading in docking station.	

No.	Topic	Required Information	
42.		Description of camera warnings receipt method: camera out of order, camera memory full, camera not operated over a period of time, camera battery status, number of unloading performed etc.	
43.		Specification of body camera safety measures on the body (safety cord etc.)	
44.	Command and Control System	Description of camera's operation system: capabilities, functionality, user interface, menus, fields, warnings, indicators and more. Attach software operation instructions.	
45.		Description of Command and Control system, including hardware, software and method of interfacing to WINDOWS8 operating system	
46.		Description of permission management method.	
47.		Description of camera control method and definition of operation and technical characteristics in the cameras.	
48.		Description of the administrative reports that may be produced in the command and control system. Attach sample reports	
49.	Data Protection	Explanation regarding providing a system built solution to prevent unauthorized logging in.	
50.		Explanation regarding protection from performing changes in the information	
51.		Explanation regarding system protection against system errors and or collapse (virus, Trojan horse, takeover and so on).	

No.	Topic	Required Information	
52.	Data Protection	Explanation regarding providing a solution within the system to prevent possible exposure to unauthorized bodies, even in the event of systems theft	
53.		Data protection standards the systems comply with	
54.	Instruction	Details regarding instruction.	
55.	Maintenance/Warranty	Details regarding maintenance and warrantee.	
56.	Updates and changes	System's flexibility to change and or technological updates.	
57.	Updating	System technological updating possibility.	