

# Annex A

## **Equipping Inspectorate's cars with special work seats, with video surveillance system and communication channel with the operating center (HQ)**

### **General requirements**

The purpose of equipping cars with a video surveillance system and communication channel is to provide an in-car video system as a Mobile Edge computing solution. The proposed solution is based on Mobile Edge infrastructure – a robust computer-type equipment based on an all-in-one video platform. The fully integrated platform will replace unnecessary devices and reduce the costs for their installation and maintenance.

This Border Police (mobile teams) vehicle monitoring solution will allow for the video recording throughout the operation process. Therefore, the system will make it possible to prevent violation of law and internal regulations by the employee on the one hand, and offer him/her a certain degree of protection, on the other hand. All data will be monitored in real time to distinguish responsibilities when employees communicate with citizens, so that they can build a good image and credibility of the institution. The video monitoring system will allow the superiors to check the geographical location and the working status of the team in real time.

The core of the system is a special robust, stiffened and powerful computer equipment, capable of processing all video streams (front camera, rear camera, body camera, printers, data transfer, etc.), and providing all standard work tools such as systems operational work tools such as Microsoft Windows, Office Suite, secure and dedicated work channel - VPN) and other work tools, necessary for the operation of the system and the coverage of functional and non-functional requirements. This system will provide storage for audio and video files, documents and other data related to daily work, which may vary from case to case. The system will be able to automatically associate related recordings from multiple video sources, reducing time spent on file recall and incident classification. In addition to managing archived data, the solution will be able to manage at a centralized level the configuration of each hardware component, including with direct vehicle network connectivity, analyse geo-location data and trigger live video from it.

This would make the system an actual complex workplace inside the car.

### **Technical and quantitative description System components:**

- **Hardware component;**
- **Software component;**

### **Quantity:**

- **9 x car type 1 (Volkswagen Transporter T6 model)**
- **10 x car type 2 (Dacia Duster model)**

### **Car type 1 - Volkswagen Transporter T6 equipped with:**

x 1 pc Stiffened equipment - DVR  
x 1 pc IR inside cam – ZeroDark HD Infrared Backseat Camera  
x 1 pc Controller module  
x 1 Mobile Desktop set – touch display & rigid keyboard with pad & mounting and support kit  
x 1 Lic Data Management Software

#### General requirements

Nine (9) cars of the Inspectorate must be equipped with thermal imaging system, with rigid equipment, video recorder, video cameras, controller module. The thermal monitoring system will be connected to the installed video recorder, and the communication system, which needs to be installed, will make it possible for the image to reach the operational center (HQ) online.

The stiffened equipment will be able to process all video streams (front camera, rear camera, body camera), while ensuring the functionality and the installation of applications (MS Office, VPN) and other internal tools necessary for the institution (printers and other communication equipment and network).

#### Stiffened equipment (Getac DVR VR-X20)

The purpose of the equipment is to make it possible to capture the highest-quality video images, to ensure connectivity with the other systems in the car, even in the most extreme conditions. Moreover, it will act as a powerful real-time gateway. It will be able to merge video and data from multiple sources simultaneously and enable multi-tasking, fast response time and reliable information on the ground from the command center (HQ). The system will be able to simultaneously capture and store data from multiple video sources, to ensure access to the entire recording process, not only to sequences of it. Additionally, this system will make it possible to use the body-worn camera to reduce the number of devices they have to carry and manage. The system will be shipped with Windows 10 Enterprise and will have the ability to run custom apps.

#### Technical description

- CPU: Intel® Core i5-7300HQ 2.5GHz processor with Turbo Boost Technology up to 3.5GHz
- Memory: 16 Gb
- Storage: 256GB for OS and 1TB for video data, optional blackbox USB storage up to 1TB
- VGA Controller: Intel® HD Graphics 630
- Communications: 802.11ac WiFi & Bluetooth, LTE, GPS
- I/O Interfaces:
- 2x RS232 (DB9)
- 4x POE top row RJ45
- 2x Ethernet RJ45 (bottom row two on left)
- 2x Audio jacks with GBPI RJ45 (bottom two right)
- 1x DB15 for 8 analogue video in and 4 audio in
- 2x USB 2

- 2x USB 3
- 1x Display Port
- 1x Full Size HDMI
- 8x GPIO Input
- 4x Output
- 2x Aux Power
- 1x GPS SMA
- 2x WIFI MiMo RP-SMA
- 2x LTE MiMo SMA
- Internal battery (~20 minutes)
- Optional 20Ah battery
- DVR - Wiring Kit - Power, Ground, Ignition (7.6m)
- Weight – 2.8kg
- Dimensions – 183mm x 182mm x 68.2mm
- Mounting Bracket (Visor) - Universal for Display (CU-D50) ONLY
- Mounting option for Dacia Duster and VW T6
- Vibration, Drop test: MIL-STD-810G
- Pre-installed software on VRX-20 for management of connected vehicle and body-worn camera with video asset management (viewing & exporting).

#### **IR inside cam – (Getac ZeroDark HD Infrared Backseat Camera)**

Infrared camera for the rear window of the car - ideal for monitoring the information behind the vehicle. Technical description: IR inside camera:

- ZeroDark FHD IP Camera CA-NF21-146IR, (Standard Mount), includes cable (4.2m)
- Diagonal View: 146°
- Aperture: F1.8
- Focal Length: 2.6mm
- Low-light Capability: 0.00lux (IR LED On), IR: Built-In IR LEDs (4ea)
- Exposure: Dual Exposure, HDR technology
- Resolutions: 1920×1080 (1080P), 1280×720 (720P), 848×480 (D1)
- Frames Per Second: 30
- Dimensions: 45mm x 45mm x 35mm (L x H x D)
- Weight: 184gr

- Live Streaming: Da
- Video Format: H.264
- Built-In Microphone: front (with noise cancelation)

#### **Getac Controller module**

The controller module will have a multi-touch interface complemented with user control buttons, designed for simplicity and high usability. Technical description:

- Size: 5-inch
- Type: TFT LCD HD
- Resolution: 800 x 480
- Touch: Multi-touch technology
- Buttons: Power/covert op, menu, brightness, stop record, start record, play, zoom/volume, microphone, camera
- Ports: USB 2.0 (admin lockable)
- Dimensions: 137 mm x 111 mm x 20 mm (L x H x D excluding mount and projecting parts)
- Weight: 277 gr
- Others: Build-in speakers (used for video playback with audio)

#### **Mobile Desktop – touch display & rigid keyboard with pad & mounting and support kit**

Touch display - Havis - is a lightweight external display designed to extend the user's computing device. It will consist of:

- Havis Touch Screen display (11.6" screen) / high resolution 1366 x768. brightness: 800 nits (adjustable);
- Top mounted buttons that will allow easy access to touch screen controls;
- 2-point touch technology will allow 2 pointer multi-touch by touch, zoom, enable/stop command;
- The start button allows the display to be blacked out (darkened) for information privacy without the need to restart the process, which will minimize the driver's attention to the driver's display;
- Volume and brightness will be adjustable on the actual display;
- Integrated Sleep mode to reduce energy consumption;
- Side and bottom ports will allow easy access to USB devices and convenient cable routing;
- Equipped with two 2-watt stereo audio speakers. The frontal speakers will allow the sound to be picked up directly from the computing device;
- It will contain the light indicators that will communicate when the display is on and when a device is connected (green);
- It will have anti-glare coating for better screen visibility. It will also offer the red monochrome night mode to reduce eyestrain with easy switching back and forth.
- It will support VESA 75 mounting system with hardware that will provide comfort for landscape or portrait mode;

- It will include the following: 20-foot male-to-male HDMI cable, 20-foot male-to-male USB 2.0 cable, 20-foot and 2m male-to-female USB 2.0 cable, 24W LIND power supply with cables;

Display technical description:

- Touch Display, 11.6, TSD-101-GTC, Havis, with display cable kit (5M) + LIND DC Adapter
- Glass: anti-glare
- Resolution: 1366 x 768
- Brightness: 800 nits
- Aspect ratio: 16:9
- Viewing angle: 70 degrees
- Power supply: 11-16 VDC, 12 VDC output
- OSD Buttons: Brightness +/-, volume +/-, power
- I/O: (1) DC power in, (1), HDMI 1.3, (3) USB 3.0 type a
- Platforms supported: Win7, Win8, Win10, Android, and ios (tested)
- Temperature range: operating: -21° C to 60° C; storage: -40° C to 85° C;
- Speakers: (2) 2W (front facing)
- Mounting capability: VESA 75MM
- Vibration Testing: MIL-STD 810G 514.5
- Environmental testing: hot/cold operational & storage
- Crash test: SAE J1455 30mph Crash Testing
- FCC, CE, RoHS
- Touch Screen weight: 1.0 kg
- Gross Weight: 1.7 kg

**Getac Keyboard**

Pad Keyboard - The Getac Rigid Pad Keyboard is designed with a VESA and AMPS mounting system that will allow it to be firmly placed in the car. Rigidity must be demonstrated by MIL-STD 810G and IP65 standards. It will also feature 88 full-size keys, red LED backlit that will have five brightness levels and immediate key response that will ease the user experience.

I/O Interfaces:

- Smart Card Reader, USB 2.0, HID HF/LF RFID Reader
- Length - 307.7mm
- Height - 194mm

- Depth - 32mm
- Weight – 870 gr
- Operating Temperature - extended temp may be representable depending on need -5.8°F to 140°F
- Storage Temperature - -40°F to 185°F
- Buttons – Standard US keyboard layout
- Touchpad/Screen Size - 2.91" (74mm) x 1.65" (42mm)
- Vibration, Drop test: MIL-STD-810G
- Mounting kits, PKG-FAM-118;
- Flex Arm Package Including Flex Arm & Mount For Universal Seat Bolt Mounting;

**Car type 2 - Dacia Duster equipped with:**

- x 1 pc Stiffened equipment - DVR
- x 1 pc Front Dual Lens Camera
- x 1 Rear cam - ZeroDark rugged Full HD camera
- x 1 pc IR inside cam – ZeroDark HD Infrared Backseat Camera
- x 1 pc Body Cam
- x 1 pc Controller module
- x 1 Mobile Desktop set – touch display & rigid keyboard with pad & mounting and support kit
- x 1 Lic Data Management Software

Ten (10) cars of the Inspectorate must be equipped with thermal imaging system, with rigid equipment, video recorder, two-way video cameras and rear video camera, controller module and body cam equipment. The thermal monitoring system will be connected to the installed video recorder, and the communication system, which needs to be installed, will make it possible for the image to reach the operational center (HQ) online. The stiffened equipment will be able to process all video streams (front camera, rear camera, body camera), while ensuring the functionality and the installation of applications (MS Office, VPN) and other internal tools necessary for the institution (printers and other communication equipment and network). Stiffened equipment (Getac DVR VR-X20)

The purpose of the equipment is to make it possible to capture the highest-quality video images, to ensure connectivity with the other systems in the car, even in the most extreme conditions. Moreover, it will act as a powerful real-time gateway. It will be able to merge video and data from multiple sources simultaneously and enable multi-tasking, fast response time and reliable information on the ground from the command center (HQ). The system will be able to simultaneously capture and store data from multiple video sources, to ensure access to the whole recording process, not only to sequences of it. Additionally, this system will make it possible to use the body-worn camera to reduce the number of devices they have to carry and manage. The system will be shipped with Windows 10 Enterprise and will have the ability to run custom apps.

Technical description:

- CPU: Intel® Core i5-7300HQ 2.5GHz processor with Turbo Boost Technology up to 3.5GHz
- Memory: 16 Gb
- Storage: 256GB for OS and 1TB for video data, optional blackbox USB storage up to 1TB
- VGA Controller: Intel® HD Graphics 630
- Communications: 802.11ac WiFi & Bluetooth, LTE, GPS
- I/O Interfaces:
- 2x RS232 (DB9)
- 4x POE top row RJ45
- 2x Ethernet RJ45 (bottom row two on left)
- 2x Audio jacks with GBPI RJ45 (bottom two right)
- 1x DB15 for 8 analogue video in and 4 audio in
- 2x USB 2
- 2x USB 3
- 1x Display Port
- 1x Full Size HDMI
- 8x GPIO Input
- 4x Output
- 2x Aux Power
- 1x GPS SMA
- 2x WIFI MiMo RP-SMA
- 2x LTE MiMo SMA
- Internal battery (~20 minutes)
- Optional 20Ah battery
- DVR - Wiring Kit - Power, Ground, Ignition (7.6m)
- Weight – 2.8kg
- Dimensions – 183mm x 182mm x 68.2mm
- Mounting Bracket (Visor) - Universal for Display (CU-D50) ONLY
- Mounting option for Dacia Duster
- Vibration, Drop test: MIL-STD-810G

#### **Getac Front Dual Lens Camera**

Dual lens camera will provide high-quality recording in all conditions while minimizing the footprint required in the car. The compact camera uses line-by-line technology and combines an ultra-wide 180° lens with a narrow 70° lens.

**Technical description:**

- ZeroDark FHD IP Camera CA-NF22, (Wind Shield Mount), includes cable (7.5 m)
- FOV (field of view) - 180° (Top), 70° (Bottom)
- FOV Aspect - Panoramic (Top), 4:3 (Bottom)
- Aperture - F2.3
- Focal Length - 2.33mm
- IR – No
- Low-Light - 0.03 (color top), 0.003 lux (B/W bottom)
- Resolutions - 1920x1080 (1080P), 1280x720 (720P)
- FPS (Frames per Second) - 30fps
- Length - 64mm
- Height - 55mm diameter
- Depth - 55mm diameter
- Weight - 203.1g
- Operating Temperature - -30° to 60 °C (-22° to 140° F)
- Storage Temperature - -40° to 71° C (-40° to 160° F)
- Thermal Shock - -40° to 71° C (-40° to 160° F)
- Vibration (Integrity, Vehicle), Mechanical Shock - MIL-STD-810H
- Internal Storage - 24GB
- Built-In Microphone - rear (with noise cancelation)
- Indicator Lights - Red, Green status and recording LEDs.
- Connectivity - POE, Ethernet
- Bit Rate - up to 12 Mbps
- Live Streaming - Yes
- Video Format - H.264
- Rotatable - left 90°, right 225°

**Rear cam - Getac ZeroDark rugged Full HD camera**



Stiffened Full HD camera with 0.05 lux, no infrared filter. It will use line-by-line HDR technology, offering crisp HD videos day and night.

**Technical description:**

- ZeroDark FHD IP Camera CA-NF21-146, (Standard Mount), includes cable (4.2m)
- Diagonal View: 146°
- Aperture: F1.8
- Focal Length: 2.6mm
- Exposure: Dual Exposure, HDR technology
- Resolutions: 1920×1080 (1080P), 1280×720 (720P), 848×480 (D1)
- Frames Per Second: 30
- Dimensions: 45mm x 45mm x 35mm (L x H x D)
- Weight: 184gr
- Live Streaming: Da
- Video Format: H.264
- Built-In Microphone: rear (with noise cancelation)

**IR inside cam – (Getac ZeroDark HD Infrared Backseat Camera)**

Infrared camera for the rear window of the car - ideal for monitoring the information behind the vehicle

**Technical description:**

- ZeroDark FHD IP Camera CA-NF21-146IR, (Standard Mount), includes cable (4.2m)
- Diagonal View: 146°
- Aperture: F1.8
- Focal Length: 2.6mm
- Low-light Capability: 0.00lux (IR LED On), IR: Built-In IR LEDs (4ea)
- Exposure: Dual Exposure, HDR technology
- Resolutions: 1920×1080 (1080P), 1280×720 (720P), 848×480 (D1)
- Frames Per Second: 30
- Dimensions: 45mm x 45mm x 35mm (L x H x D)
- Weight: 184gr
- Live Streaming: Da
- Video Format: H.264
- Built-In Microphone: front (with noise cancelation)

### **Getac Controller module**

The controller module will have a multi-touch interface complemented with user control buttons, designed for simplicity and high usability.

#### **Device specs**

- Size: 5-inch
- Type: TFT LCD HD
- Resolution: 800 x 480
- Touch: Multi-touch technology
- Buttons: Power/covert op, menu, brightness, stop record, start record, play, zoom/volume, microphone, camera
- Ports: USB 2.0 (admin lockable)
- Dimensions: 137 mm x 111 mm x 20 mm (L x H x D excluding mount and projecting parts)
- Weight: 272 gr
- Others: Build-in speakers (used for video playback with audio)

### **Touch display & keyboard**

Touch display - Havis - is a lightweight external display designed to extend the user's computing device. It will consist of:

- Havis Touch Screen display (11.6" screen) / high resolution 1366 x768. brightness: 800 nits (adjustable);
- Top mounted buttons that will allow easy access to touch screen controls;
- 2-point touch technology will allow 2 pointer multi-touch by touch, zoom, enable/stop command;
- The start button allows the display to be blacked out (darkened) for information privacy without the need to restart the process, which will minimize the driver's attention to the driver's display;
- Volume and brightness will be adjustable on the actual display;
- Integrated Sleep mode to reduce energy consumption;
- Side and bottom ports will allow easy access to USB devices and convenient cable routing;
- Equipped with two 2-watt stereo audio speakers. The frontal speakers will allow the sound to be picked up directly from the computing device;
- It will contain the light indicators that will communicate when the display is on and when a device is connected (green);
- It will have anti-glare coating for better screen visibility. It will also offer the red monochrome night mode to reduce eyestrain with easy switching back and forth.
- It will support VESA 75 mounting system with hardware that will provide comfort for landscape or portrait mode;
- It will include the following: 20-foot male-to-male HDMI cable, 20-foot male-to-male USB 2.0 cable, 20-foot and 2m male-to-female USB 2.0 cable, 24W LIND power supply with cables;

Display technical description:

- Touch Display, 11.6, TSD-101-GTC, Havis, with display cable kit (5M) + LIND DC Adapter
- Glass: anti-glare
- Resolution: 1366 x 768
- Brightness: 800 nits
- Aspect ratio: 16:9
- Viewing angle: 70 degrees
- Power supply: 11-16 VDC, 12 VDC output
- OSD Buttons: Brightness +/-, volume +/-, power
- I/O: (1) DC power in, (1), HDMI 1.3, (3) USB 3.0 type a
- Platforms supported: Win7, Win8, Win10, Android, and ios (tested)
- Temperature range: operating: -21° C to 60° C; storage: -40° C to 85° C;
- Speakers: (2) 2W (front facing)
- Mounting capability: VESA 75MM
- Vibration Testing: MIL-STD 810G 514.5
- Environmental testing: hot/cold operational & storage
- Crash test: SAE J1455 30mph Crash Testing
- FCC, CE, RoHS
- Touch Screen weight: 1.0 kg
- Gross Weight: 1.7 kg

Havis touch display – a lightweight external monitor designed to extend user's computing device

- Havis Touch Screen Display (11.6" screen) / high resolution 1366 x768. brightness: 800 nits (adjustable)
- Top-mounted buttons allow easy access to Touch Screen controls
- 2-point capacitive touch technology allows for multi-touch 2-finger for pinch, zoom, activate
- Power button allows screen to be blacked out for privacy without having to do a reboot process and minimizes driver distraction
- Volume & brightness can be adjusted on the actual display
- Sleep mode equipped to reduce power consumption
- Side and bottom-facing ports with an integrated strain relieving allow for easy access to USB devices and convenient cable routing
- Optimized audio experience with two front-facing 2-watt integrated stereo speakers allowing for sound directly from the computing device
- Indicator lights communicate when Touch Screen is powered up (amber) and when a device is connected (green)
- Anti-glare coating for better visibility of screen

- VESA 75 mounting pattern with embedded hardware built into chassis allows convenience for landscape or portrait mode
- Includes the following: 20-foot HDMI male-to-male cable, 20-foot USB 2.0 type a male to male cable, 2-meter USB 2.0 type male to female cable, 24W LIND power supply with cables, and installation hardware
- Night mode of red monochrome for reduced eye strain, easy toggle back and forth

#### Device specs:

- Touch Display, 11.6, TSD-101-GTC, Havis, with display cable kit (5M) + LIND DC Adapter
- Glass: anti-glare
- Resolution: 1366 x 768
- Brightness: 800 nits
- Aspect ratio: 16:9
- Viewing angle: 70 degrees
- Power supply: 11-16 VDC, 12 VDC output
- OSD Buttons: Brightness +/-, volume +/-, power
- I/O: (1) DC power in, (1), HDMI 1.3, (3) USB 3.0 type a
- Platforms supported: Win7, Win8, Win10, Android, and ios (tested)
- Temperature range: operating: -21° C to 60° C; storage: -40° C to 85° C;
- Speakers: (2) 2W (front facing)
- Mounting capability: VESA 75MM
- Vibration Testing: MIL-STD 810G 514.5
- Environmental testing: hot/cold operational & storage
- Crash test: SAE J1455 30mph Crash Testing
- FCC, CE, RoHS
- Touch Screen weight: 1.0 kg
- Gross Weight: 1.7 kg

#### **Getac keyboard**

The Getac Rigid Pad Keyboard is designed with a VESA and AMPS mounting system that will allow it to be firmly placed in the car. Rigidity must be demonstrated by MIL-STD 810G and IP65 standards. It will also feature 88 full-size keys, red LED backlit that will have five brightness levels and immediate key response that will ease the user experience.

I/O Interfaces:

- Smart Card Reader, USB 2.0, HID HF/LF RFID Reader
- Length - 307.7mm
- Height - 194mm
- Depth - 32mm
- Weight – 870 gr
- Operating Temperature - extended temp may be representable depending on need -5.8°F to 140°F
- Storage Temperature - -40°F to 185°F
- Buttons – Standard US keyboard layout
- Touchpad/Screen Size - 2.91" (74mm) x 1.65" (42mm)
- Vibration, Drop test: MIL-STD-810G
- Water Proofing - IP65

**Mounting and support kit** - will be a special mounting kit from the manufacturer Havis, the same manufacturer as the display to provide a strong and rigid structure.

**Mounting kits:**

- PKG-FAM-118;
- Flex Arm Package Including Flex Arm & Mount For Universal Seat Bolt Mounting;

**Getac Body Cam**

Body Cam is the body-worn camera that provides for the possibility of recording panoramic, full HD video clips, even under reduced light conditions. They will be lightweight and easy to use with a minimum of 12 hours of battery life and a wide range of communication features that can go wherever the action is, providing full situational awareness in critical scenarios. For the in-car video system, the body camera can provide a live-view stream (with audio) via Wi-Fi to assess the situation outside the vehicle.

**Technical description:**

- Body Worn Camera (BC-02) - Single Port Dock (VD-02), includes USB AC adapter, USB Cable (1.2m)
- Video Output Format: .MP4 (H.264)
- Video Output Resolution: 1920×1080 (1080p), 1280×720 (720p), 640×480 (480p)
- Video Output Frame Rate: 30 fps (60 fps at 720p)
- FOV (Field of View): 120°
- Storage: 64 GB
- Recording Time: >12 hrs

- Stand-by Time: >24 hrs
- Power: Battery 4.2V, 3220 mAh; AC Adapter (Charging Dock) (5V, 2A, 10W, 100-240VAC, 50 / 60Hz)
- Rugged Features: MIL-STD-810G, Vibration & 6 feet drop resistant, IP68
- Environmental Spec: Operating Temp: -40°F to 140°F; Storage Temp: -40°F to 160°F
- Watermark: Supports Date/Time/Officer ID stamp overlay on video footage
- Pre-record: Supports 10; 20; 30 seconds
- Addtl. Supported Features: Covert recording mode, Instant record, Instant event classification, Footage bookmarking
- Buttons: Power, Main, Category Wheel, Covert Switch
- I/O Interface: Docking x1 pogo connector for charging and offload (no additional communication ports)
- Additional Features: GPS, Wi-Fi Offload & Built-in RFID Tag
- Connectivity Interface: Wi-Fi 802.11 b/g/n, Bluetooth LE
- Dimensions (W x D x H): 75.69 mm x 51.05 mm x 23.62mm
- Weight: 130 gr
- Body Worn Camera (BC-02) - Certified Bluetooth Dongle
- Body Worn Camera Alligator Clip V2.0
- IP68 certified
- MIL-STD-810G Vibration and 2m Drop
- Body Worn Camera (BC-02) - Single Port Dock (VD-02), includes USB AC adapter, USB Cable (1.2m)

## **Data Management Software, centralized processing of video streams and positioning information of inspectorate teams**

### **Requirements**

For remote monitoring and management of mobile systems, an industry-leading backend video management software system - Getac Enterprise Data Management - will be provided. The software will be scalable and will be able to provide a dashboard overview, media management and remote management of all Getac devices installed in cars. This system will be able to handle any type of digital document or video. It will enable law enforcement to quickly identify operationally relevant information, alert responsible personnel and receive real-time information (including on-scene video) from the incident as well as the location of the cars. The solution will also be able to automatically associate video recordings from multiple video sources, reducing the time spent on recalling files and classifying incidents. The unlimited user interface with fully configurable profiles and remote access will provide quick access from any device with Internet connection to review evidence, run analyses, view live video stream or collaborate on active cases. This system will provide improved efficiency to analysts and command staff with visibility into the geolocation of officers and assets, access to audit logs, reporting and detailed chain of custody. Automated drafting and case management must be included at no additional cost.

**Qty Description**

- 1 x Data Management Software, centralized processing of video streams;
- 1 x Data Management Software for positioning information of inspectorate teams;
- 1 x Training & How to use;

**Centralized processing of video streams Solution**

The management software enables law enforcement to easily identify operationally relevant information, alert responsible personnel and receive real-time information (including on-scene video) from the incident.

**Software and Licence Component:****1 x Enterprise Management Server**

- Server License, One Time (Self Host)
- Video License and Annual Maintenance (for all the devices) for 19 vehicles

**Standard Features:**

- Video Playback
- Redaction
- Cases
- AVL (automatic vehicle localization):
  - - live view of all vehicles positions on a map accessed by web browser
  - - automatic live map view center on selected vehicles
  - - detail view of every vehicle including: DVR recording status, current speed, altitude
  - - ability to filter map view to display only selected vehicles and/or logged-in users
  - - selecting a vehicle on map view allows to access camera live view and archive of recorded videos
- Analytic Map
- Dashboard / Reports / Audit Logs
- Media Sharing
- Evidence Management
- Live Stream

**Command & Control Evidence Management:**

- Supports complex retention policies
- Strongest role and permission-level security tools in the industry
- Robust categorization and search functionality that begins at the time the video was recorded and enables users to locate important video quickly

- Active Directory, RFID, CAD and RMS support
- SSL, encryption and hash-based verification
- Full chain-of-custody tracking, including audit logs of all activity
- Completely browser-based solution
- GPS mapping, analytics and visualization features
- No per-seat software licensing
- Licensing per device.

#### **Evidence Management:**

- Supports complex retention policies
- Strongest role and permission-level security tools in the industry
- Robust categorization and search functionality
- Active Directory, RFID, CAD and RMS support
- SSL, encryption and hash-based verification
- Full chain-of-custody tracking, including audit logs of all activity
- Completely browser-based solution
- GPS mapping, analytics and visualization features
- No per-seat software licensing

#### **Self Host:**

- Fully hosted, browser-based evidence management system
- Integrated with Getac Video hardware
- Supports body-worn cameras from any manufacturer
- Upload and manage any digital asset
- Files stored in non-proprietary formats
- Secure evidence sharing and case management
- Supports complex data retention policies
- Robust roles and permissions, including Active Directory support
- Dashboard provides immediate insights into evidence acquired and user activity
- Open standards allow easy integration with third-party systems such as CAD
- Massively scalable architecture supports petabytes of data
- SSL, encryption and hash-based verification
- Full chain of custody tracking, including audit logs of activity



**Implementation and maintenance services**

Implementation service for 19 vehicles includes mounting the device. Devices must be mounted to avoid interference with normal use of the vehicle and with other specialized equipment used in vehicles.

Mounting techniques should take advantage of the factory holes and slots available in the vehicles.

The following services will be covered by the provider:

- Drawing the custom mounting design of the equipment of the Dacia Duster 4x4 and VW Transporter T6 vehicles. These will include selecting mounting locations, electrical connections, designing custom mounting components.
- Mounting the equipment with all necessary cables in 19 cars.
- Mounting and configuring Getac Video software on 19 cars.
- Carrying out technical training in the configuration and operation of the hardware and software solution for the personnel of the institution that will take charge of the cars;
- Providing technical support (5x8) during the contracted period by phone and e-mail.
- Keep your drive in case of HDD, SSD, NVME drive malfunction
- Warranty 12 months
- During the warranty period, all defects will be repaired at no additional cost

**Conditions for providing system support and maintenance services:**

- Contacting the manufacturer's technical support to solve problems arising in the system operation process;
- Updating all components of the security system (at software or platform level);
- Providing technical support and maintenance services for the systems offered by the supplier from 8.00 a.m. to 5.00 p.m. daily, except for holidays and rest days in the Republic of Moldova;
- Registering tickets by the supplier's specialists sent by the Beneficiary. The Beneficiary will be able to send technical requests to the supplier by e-mail, by telephone, including the physical address;
- The supplier will appoint a contact person to coordinate the technical support and maintenance services of the offered system;
- Providing access by the Beneficiary to the supplier's or manufacturer's specialists (of third parties) for the performance of activities to settle the deficiencies that have arisen.

**Service Level (SLA):**

- The Service Level (SLA) is established according to the priority of requests and the time required to settle incidents;
- Reaction time – the length of time from the moment the request is registered in the provider's HelpDesk system during which the processing of the incident will be started;

- Priority - High. Not all documented system functions work. Disturbances and errors occurring in the operation of the system have a significant negative impact on the Beneficiary's business processes, which may result in the inoperability of the systems or the loss of data;
- Priority - Moderate. One or more documented system functions are not working. Disturbances in the operation of the system have an insignificant negative impact on the Beneficiary's business processes, or there is a temporary solution in place, which allows for the impact to be reduced;

- Priority - Low. Questions regarding the principles of operation and settings of the documented functions of the system.

**Training**

Train the Trainer for max 8 persons