**TECHNICAL SPECIFICATIONS**

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|  **BODY CAMERAS SOLUTION** |
| Item | **GENERIC SPECIFICATIONS** | **Quantity** |
| 1. | **Body-worn camera /** **VB-440-64-KF-N** | **30 pcs**  |
| Dimensions | Maximum H 100mm x W 80mm x D 30mm |
| Weight | Maximum 200g (excluding mountings) |
| Battery | Li-Ion / Li-Pol |
| Battery run time | More than 8 hours video recording @ 720p (T = 15°C) |
| Battery recharging time | Typically recharges in less than 8 hours |
| Storage capacity | Minimum 64GB, encrypted AES 256 |
| Image sensor | CMOS |
| Image sensor sensitivity | Better than 0.2 lux |
| Lens capture angle | Horizontal: min 120°, Vertical: min 60° |
| Video compression | At least H264; |
| Video resolutions | 1920x1080 and 1280x720 |
| Video framerate | 25fps / 30 fps |
| Pre / post-record | up to 2-minute pre / post-recording buffer |
| Peer-assisted Recording | Triggers the camera to start recording when others are within a configurable radius |
| Audio compression | AAC or MP3 |
| Audio bitrate | 128kbps |
| Positioning system | Integrated GPS receiver. Possibility to insert location metadata in the video recordings |
| Connectivity | Wi-Fi 802.11 a/b/g/n, Bluetooth |
| Streaming | Yes, to the central controller |
| Notifications | Audible, visual or vibration notifications |
| Casing | At least IP67 rated, drop tested up to 1.8m (MIL-STD-810G) |
| Operating temperature | At least -20ºC to +50ºC |
| RFID | Integrated RFID tag |
| Security features | Restriction on viewing, downloading, or deletion of any recordings directly from the camera |
| Fixings | Klick Fast TM, with quick-release stud, gear/vest screw-on, and magnetic mounting set (KF-MAGMOUNT2) | **30 pcs** |
| License | Video Manager PLUS license for VB400 body-worn camera (VM-EPL-VB-PLUS-1)  | **30 pcs** |
| Warranty | At least 1 year, extendable |  |
| User Manual | English & Romanian versions (hardcopy or electronic) |
| Sticker | Sticker applied on the portable camera resistant to rain, cold, sun etc. |
| 2. | **Charging (docking) station / VB-400-DOCK14/EU** | **1 pcs** |
| Purpose | Charge all the body-worn camera after a working shift |
| Docking ports quantity | Minimum 10 per location (could be provided using multiple stations) |
| Docking cameras | The camera should fit into the docking station slot with no removal of wearable fixings |
| Power input | 230V (internal or external PSU) |
| Connectivity | USB to Camera Controller |
| Operating temperature | 0ºC to +40ºC |
| Warranty | 1 year, extendable |
| User Manual | English & Romanian versions (hardcopy or electronic) |
| 3. | **Charging (docking) station / VB-400-DOCK-SOLO** | **18 pcs** |
| Functions | Charge, configure and offload footage from a body-worn camera |
| Easy To Implement | The camera should fit into the docking station slot with no removal of wearable fixings. Connection is a single USB to the PC (Cable supplied) |
| Power Requirement | 5V USB |
| Compatibility | Compatible with DockController DC-200 or PC running VideoManager. |
| Speedy Plug-in/Pull-out Connectivity | The VB400 can be easily docked or undocked for speedy use. |
| Warranty | 1 year, extendable |
| User Manual | English & Romanian versions (hardcopy or electronic) |
| 4. | **Body camera controller / DC-200/EU** | **10 pcs** |
| Purpose | Transfer data from body-worn cameras to the Camera management system and to Video storage system. Provide RFID reading functionality for an evidence management system. |
| Cybersecurity | AES encryption for storage and end-to-end video delivery |
| RFID | Integrated or external RFID reader, that sends data to the evidence management system (RF-220: RFID RF-220 reader & base) |
| Connectivity | USB or RJ-45 to the camera docking stationEthernet 1000Base-T to external network |
| Power input | 230V (internal or external PSU) |
| Operating temperature | 0ºC to +40ºC |
| Warranty | At least 1 year, extendable |
| User Manual | English & Romanian versions (hardcopy or electronic) |
| 5. | **Workstations / NVR5-WKS-8TB-EU** | **1 pcs** |
| Network Video Streaming Performance | Recording Data Rate – Minimum 120 MbpsPlayback and Live Streaming - Minimum 100 Mbps |
| Operating System | Microsoft Windows 10 IoT Enterprise LTSB (2019) |
| Processor | Minimum Intel Core i3 (12th Gen) |
| Memory | Minimum 8 GB DDR4 RAM |
| OS Drive | M.2 256 GB PCIe NV Me Class 35 SSD |
| Video Data Drive | 1 SATA drive, 8 TB HDD |
| Network Interface | 2 × 1 Gigabit Ethernet RJ-45 ports (1000Base-T) |
| Power Input | 100 to 240 VAC, 50/60 Hz, auto-switching |
| Operating Temperature | 10 °C to 35 °C |
| Hardware support and software updates | At least 1 year, extendable |
| Desktop Monitor | Minimum 34", DisplayPort 1.2- 1, HDMI 2.0-1, USB-C - 1 (Up to 65W), USB Hub 3.0 - 3 (2.0x2ea, 3.0x1ea), Maximum viewing angle 178°, Contrast static 3000:1, Display resolution type 2K. |
| Keyboard | USB, Eng/Rus/Rom |
| Mouse | USB, optical, scrolling |
| Warranty | 1 year, extendable |
| Electromagnetic Emissions | FCC Title 47, CFR Part 15, ICES-003(B) Issue 7, EN 55032, EN 61000-3-2, EN 61000-3-3 |
| License | VM-EPL-HQ-BASE / Video Manager for Head-quarters - Base |  **1 pcs** |
| 6. | **RFID READER / RF-220** |  **11 pcs** |
| Product Code | RF-220 |
| Typical Usage | Attached to a DC-200 via USB connection |
| Management Software | Video Manager 9.1 onwards (for High & Low frequency card support) BT/NFC may be supported in a future Video Manager release |
| Frequency | Low Frequency: 134.2 kHzHigh Frequency: 13.56 MHz |
| Read / Write Distance | Low Frequency and High Frequency: 4 in (100 mm) |
| Supported Compatible Card Standards | Including but not limited to:ISO1443A (e.g. MIFARE Classic)ISO14443B (e.g. HID iCLASS)ISO15693 (e.g. HID iCLASS SE)This includes Avigilon Control Manager door access cards |
| Operating Temperature | 32° to 104°F (0° to 40°C) |
| Storage Temperature | -67° to 158°F (-55° to 70°C) |
| Warranty | 1 year return to manufacturer warranty |
| Dimensions | 3.5 x 2.2 x 0.7 in (88 x 56 x 18 mm) |
|  7.  |  |  **Accessories / VB-400-EXT-CHARGE** |  **11 pcs** |
| **Charging Cable** |  USB Type-A to VB400 cable including VB400 adaptor |
| Comments | The proposed solution will be installed in 10 different locations: (30 body-worn cameras, 30 licences, 30 klick fast magnetic mounting sets, 1 multiple charging/docking stations with 14-Port Dock with EU power cable and 18- Doc Solo/2 per each 9 Territorial labour inspectorates from regions, 10 body camera controller, 1 Workstation/ NVR5-WKS-8TB-EU, 1 VM-EPL-HQ-BASE/Video Manager for Headquarters-Base, 11 USB Type-A to VB400 cable including VB400 adaptor). The camera management system and video storage controller will be installed in a central location. |
| The economic operator will be responsible for the installation, configuration of the bodycam system, and the training of employees regarding their use.The body cameras distribution in regional profile:-12 body cameras will be distributed in Chișinău for SLI Headquarter and Chișinău territorial labour inspectorate. - 2 Body cameras for each of the other 9 territorial labour inspectorates from the country (Bălţi, Cahul, Călăraşi, Căuşeni, Cimișlia, Drochia, Edineţ, Orhei and UTA Gagauzia). |
| The icon model that will be applied to portable cameras, with the inscription of words: ATENȚIE: Inspectoratul de Stat al Muncii înregistrează AUDIO-VIDEO, the stickers could be replaced when the SLI logo will be developed. |
| Training sessions will be organized at each location, for system managers and body camera users. These sessions will be conducted in Romanian.The supplier needs to have authorization from the manufacturer. It is necessary to present an authorization for marketing products in the Republic of Moldova which should be issued by the manufacturer.A company based in the Republic of Moldova must provide support and warranty services for the delivered products. This ensures prompt response, to any incidents that may occur. |