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| ***Instructions*** - Offeror must indicate, in the space provided whether they meet/exceed the mandatory requirement or whether the requirement is not applicable. Offer must provide a written response in the space provide to support their answer. The State reserves the right to seek clarification for any response. Offeror must check the box/boxes below indicting which category/categories they are making a proposal. Offerors may choose to submit a proposal for any of the categories.  Category 1 - Body Worn Camera  Category 2 - Vehicle Mounted Video  Category 3 License Plate Reader  Category 4 – Interrogation Room  Category 5 – Video Storage, Data Security, Software, and Peripherals  **Important Note: the following items will not be included in this contract award: Body Armor, LED Light Bars, Public Safety Radios, LED Light Bars and Sirens, Radar and Lidar Equipment.** These items are on separate NASPO ValuePoint Master Agreements. | | | |
|  | **Body Worn Camera and Recording Devices.** To include, but not limited to: Mobile Camera and Recording Equipment which is not permanently installed on a fixed surface. This may be attached to a person, mounted on the chest, belt, hat, or glasses etc. Equipment shall be able to capture video from the Officer’s perspective and store the recorded video on a secure hosted website, or secure local storage solution. | | |
| 1.1 | Native resolution (minimum 1280 X 960)  Please indicate other resolution options in the space provided. |  |  |
| 1.2 | Format (minimum MPEG4)  Please indicate other format options in the space provided. |  |  |
| 1.3 | Field of View (minimum 90 degrees)  Please indicate other field of view options in the space provided. |  |  |
| 1.4 | LUX (minimum 0.1). The device shall produce an effective and consistent video through automatic exposure, automatic white balance, and automatic illumination source.  Please indicate other LUX options in the space provided |  |  |
| 1.5 | Record Life (minimum 9 hours)  Please indicate other record life options in the space provided. |  |  |
| 1.6 | Standby Life (minimum 12 hours)  Please indicate other record life options in the space provided. |  |  |
| 1.7 | Must have configurable Pre-Event capability. |  |  |
| 1.8 | Storage (minimum 32GB)  Please indicate other storage options in the space provided. |  |  |
| 1.9 | Battery Charge Time (minimum 6 hours)  Please indicate other battery charge time options in the space provided. |  |  |
| 1.10 | Frame Rate (minimum fixed 39.97 FPS day and night with no dropped frames.)  Please indicate other frame rate options in the space provided. |  |  |
| 1.11 | Recharging Options (minimum USB Cable or Docking Station) |  |  |
| 1.12 | Recording Indicator (minimum Visual and Sound)  Please indicate other recording indicator options in the space provided. |  |  |
| 1.13 | Weatherproof Construction (minimum IP66). The device operates as normal within the range of -10 to +40 degrees Celsius.  Please indicate other weatherproof construction options in the space provided. |  |  |
| 1.14 | Ability to Display Remaining Storage in Hours/Minutes on camera or through an interface (desktop, cellphone, etc.). |  |  |
| 1.15 | Level Rotatable Lens |  |  |
| 1.16 | Video Compression (H.264 or H.265). Must meet recommendations set by ITU-TH.264 International Standard ISO/IEC 14496-10 (02/2014).  Please indicate other video compression options in the space provided. |  |  |
| 1.17 | Sound Quality (minimum of 32kHz – 44 kHz)  Please indicate other sound quality options in the space provided. |  |  |
| 1.18 | All wiring, cables, clips, or other methods of attachment required for the device to function properly shall be designed to disengage to prevent the wearer from becoming entangled, but stay attached with vigorous physical activity |  |  |
| 1.19 | The device does not cause and is not subject to electromagnetic interference with nearby electronic equipment and radio communication systems. |  |  |
| 1.20 | Camera in focus within the range of 0.5 m to infinity without adjustment. |  |  |
| 1.21 | Activating and deactivating the recording requires physical sliding of a switch or pressing of button, which provides physical feedback to the operator such as a click, or an audible beep or vibration. If remote capable, then a click or audible beep or vibration needs to identify the officer of engagement by remote means |  |  |
| 1.22 | There needs to be an indicator on the camera that shows battery charge level/status. |  |  |
| 1.23 | The video must not encode a Group of Pictures greater than 30 frames. (Reference frames shall be no further than 30 frames apart.) |  |  |
| 1.24 | The system must be capable of clearly capturing conversational speech at a distance of 1 meter on a still day. |  |  |
| 1.25 | The System must be capable of demonstrating an industry standard method of validating the reliable transfer of data from the recorder to the backend storage system. A digital signature must be produced that can be used to validate the transfer of data. |  |  |
| 1.26 | The recorded footage must contain a date and time stamp (hrs.: mins: secs) in the metadata and as a watermark on the video. The date and time stamp shall be exported with the imagery, without employing lossy compression. There must be a means by which the user/administrator can calibrate the date and time displayed by the device. |  |  |
| 1.27 | The footage time and date are regularly and automatically checked and calibrated via an external clock signal. This must include automatic adjustment for DST changes. |  |  |
| 1.28 | The device must have a unique ID that is embedded within every video file (as metadata). |  |  |
| 1.29 | Device exports all recorded footage to data archiving/management system in its original file and format without loss of quality or associated metadata. |  |  |
| 1.30 | Loss of power must not cause data to be lost/corrupted. |  |  |
| 1.31 | Camera must indicate if it is not meeting minimum operating standards |  |  |
| 1.32 | The device does not cause and is not subject to electromagnetic interference with nearby electronic equipment and radio communication systems using MIL-STD-461(G) standards |  |  |
| 1.33 | If data is encrypted in transit, it must be FIPS 140-2 certified |  |  |
| 1.34 | Data encrypted at rest at FIPS 140-2 certified or FIPS 197 certified (AES) and at least 256-bit strength. (sec 2, 4) |  |  |

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|  | **Vehicle Mounted Video and Recording Devices.** To include vehicles, public transit, school buses, and other public safety vehicles. Additional, products can be proposed and available for use by a variety of law enforcement applications, which may also include state police, marine police, corrections, game and inland fisheries, forestry, border surveillance, educational campuses, as well as local fire departments and other emergency first responder needs. Does your company offer equipment that can be mounted on the following vehicles:  Water Vehicles  Motorcycle  Public Transit  School Buses  Subway  Police Vehicles | | |
| 2.1 | **All** mobile video systems and related audio equipment must conform to the applicable minimum standards as set by the following: |  |  |
| 2.1.1 | Electronic Industries Association (EIA) |  |  |
| 2.1.2 | Federal Communications Commission rules and regulations (FCC) |  |  |
| 2.1.3 | Institute of Electrical and Electronic Engineers (IEEE) |  |  |
| 2.1.4 | International Electro technical Commission (IEC) |  |  |
| 2.1.5 | National Fire Protection International (NFPA) |  |  |
| 2.1.6 | National Highway Traffic Safety Administration (NHTSA) |  |  |
| 2.1.7 | Society of Automotive Engineers (SAE) |  |  |
| 2.1.8 | Underwriters Laboratories Inc. (UL) |  |  |
| 2.1.9 | Underwriters Laboratories of Canada (ULC) |  |  |
| 2.2 | Any items installed in the interior of the vehicle shall meet the requirements stated in Federal Motor Vehicle Safety Standards. |  |  |
| 2.3 | Manufacturers shall provide the customer the necessary brackets, mounting hardware, and installation instructions that if followed properly will ensure the vendor’s equipment is installed in accordance with all appropriate Federal Motor Vehicle Safety Standards (FMVSS) that are in place at the time of the contract between the vendor and the State(s). |  |  |
| 2.4 | Screen/Monitor (minimum 3 inches diagonal with color display) |  |  |
| 2.5 | Temp Range (minimum Sub Zero to 120 Degrees Fahrenheit) The system operates as normal within the temperature range outlined in MIL-STD-810(G). |  |  |
| 2.6 | Viewing Angle/Diagonal (minimum rotation of 360 Degrees |  |  |
| 2.7 | Front Field of View (minimum 24 feet Width, 35 feet full wide angle) |  |  |
| 2.8 | Signal to noise Radio (minimum 46 db) |  |  |
| 2.9 | Microphone (minimum wireless audio from range of 1000 feet) |  |  |
| 2.10 | Activation (minimum record button, emergency lights and/or siren) |  |  |
| 2.11 | Recording Duration (minimum uninterrupted of 18 hours) |  |  |
| 2.12 | Power Source (minimum between 9 and 18 volts) |  |  |
| 2.13 | Record Indicators (minimum illumination indicator visible outside and front seat) |  |  |
| 2.14 | Camera Lens (minimum autofocus/auto exposure/auto white balance) |  |  |
| 2.15 | Erasure Prevention (minimum no erasing, altering, and/or recording over data) |  |  |
| 2.16 | Time Stamp (minimum video, audio, metadata shall be consistent) |  |  |
| 2.17 | Audit Log (minimum name/ID, automated verification-min 128 bit hash value) |  |  |
| 2.18 | Equipment Diagnostic. Shall perform self-test to complete functionality and include the following: |  |  |
| 2.18.1 | Storage Space Remaining |  |  |
| 2.18.2 | Shall send notification to user for any malfunction |  |  |
| 2.19 | High Definition Resolution (minimum 720p) |  |  |
| 2.20 | Internal Storage (minimum 128 GB) |  |  |
| 2.21 | Product must not interfere with normal operation of the emergency vehicle; and must not create a safety risk for operator or passengers. Shall not cause interference with any other electronic systems in operation (radio, computer, speed detection, etc.) |  |  |
| 2.22 | Product must have “low battery’ indicators and provide process for system to power down without causing any damage to recording device or data storage unit. |  |  |
| 2.23 | Product must be a complete mountable solution to accommodate different types of vehicles, (i.e. Ford Explorers, Dodge Chargers, Chevy Impalas and Tahoes, Public Transportation Bus or Subway cars) without degrading original equipment performance. |  |  |
| 2.24 | Monitor must include a non-glare touch screen or mechanism to control video in the vehicle. |  |  |
| 2.25 | System recording must be in a non-proprietary video format. |  |  |
| 2.26 | Recording must be both audio and video, with separate channels and capabilities of recording events inside and outside the vehicle simultaneously. |  |  |
| 2.27 | System must have wireless upload capabilities, and if upload process is interrupted, upload will resume from point of interruption. |  |  |
| 2.28 | System must have a secure method to access camera system to prevent any unauthorized access to recording device. |  |  |
| 2.29 | System must have ability to allow user input for data/metadata associated with tagged video. |  |  |
| 2.30 | Digital video file must provide ability to determine and authenticate an original file or indicate if file has been modified. |  |  |
| 2.31 | System must have ability to cover more than two cameras for use in prisoner transport vehicles |  |  |
| 2.32 | Camera(s) must have at least 12 hours of continuous recording available for review and retrieval, regardless if a record action was initiated or not. |  |  |
| 2.33 | Camera(s) must record as a standalone system with external mic, but without laptop |  |  |
| 2.34 | Weatherproof Construction of external microphone (minimum IP66) The device operates as normal within the range of -10 to +40 degrees Celsius.  Please indicate other weatherproof construction options in the space provided |  |  |
| 2.35 | The battery on the external audio microphone must operate for at least 12 hours of recording before a charge is needed. |  |  |
| 2.36 | The interior-facing cameras shall have infrared capabilities to provide detail in low light |  |  |
| 2.37 | Interior-facing cameras must have microphones to record audio |  |  |
| 2.38 | The system must have a visual indicator of when the hard drive holding the recordings is full |  |  |
| 2.39 | The system must be able to support at least three microphones (2 officers and one interior-facing camera) |  |  |
| 2.40 | Each external microphone must have a unique identifier in order to differentiate between multiple mics |  |  |
| 2.41 | The microphones should have separate channels in order to isolate to individual microphones |  |  |
| 2.42 | System must have ability to prioritize one or more video wireless offloads over others |  |  |
| 2.43 | The system shall capture the GPS coordinates of the vehicle in the video metadata |  |  |
| 2.44 | All triggers need to be able to function without logging on to the system |  |  |
| 2.45 | All triggers need to be configurable to include/exclude rear and/or front-facing cameras |  |  |
| 2.46 | Native resolution (minimum 1280 X 960)  Please indicate other resolution options in the space provided. |  |  |
| 2.47 | Format (minimum MPEG4)  Please indicate other format options in the space provided. |  |  |
| 2.48 | Must have configurable Pre-Event capability. |  |  |
| 2.49 | Frame Rate (minimum fixed 39.97 FPS day and night with no dropped frames.)  Please indicate other frame rate options in the space provided. |  |  |
| 2.50 | Sound Quality (minimum of 32kHz – 44 kHz)  Please indicate other sound quality options in the space provided. |  |  |
| 2.51 | Video Compression (H.264 or H.265). Must meet recommendations set by ITU-TH.264 International Standard ISO/IEC 14496-10 (02/2014).  Please indicate other video compression options in the space provided. |  |  |
| 2.52 | The video must not encode a Group of Pictures greater than 30 frames. (Reference frames shall be no further than 30 frames apart.) |  |  |
| 2.53 | The System must be capable of demonstrating an industry standard method of validating the reliable transfer of data from the recorder to the backend storage system. A digital signature must be produced that can be used to validate the transfer of data. |  |  |
| 2.54 | The recorded footage must contain a date and time stamp (hrs.: mins: secs) in the metadata and as a watermark on the video. The date and time stamp shall be exported with the imagery, without employing lossy compression. There must be a means by which the user/administrator can calibrate the date and time displayed by the device. |  |  |
| 2.55 | The footage time and date are regularly and automatically checked and calibrated via an external clock signal. This must include automatic adjustment for DST changes. |  |  |
| 2.56 | The device must have a unique ID that is embedded within every video file (as metadata). |  |  |
| 2.57 | Device exports all recorded footage to data archiving/management system in its original file and format without loss of quality or associated metadata. |  |  |
| 2.58 | Loss of power must not cause data to be lost/corrupted. |  |  |
| 2.59 | System must indicate if it is not meeting minimum operating standards |  |  |
| 2.60 | The device does not cause and is not subject to electromagnetic interference with nearby electronic equipment and radio communication systems using MIL-STD-461(G) standards |  |  |
| 2.61 | The system shall prevent unauthorized alteration or deletion of records and recorded data. |  |  |
| 2.62 | If data is encrypted in transit, it must be FIPS 140-2 certified |  |  |
| 2.63 | List how your system can resume original retention schedules after recorded data has been used for an investigation, litigation, or any other legal action and said activity has been concluded. |  |  |
| 2.64 | The system shall have total capability to access, search, and retrieve recorded data entirely throughout the predetermined retention period. |  |  |
| 2.65 | The capability to restrict access to certain videos is required. |  |  |

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|  | **Automated License Plate Readers and Recording Devices.** To include all components necessary to a complete automated license plate reader system. System could include hardware (mobile and fixed cameras, mounting hardware and accessories), software, and data storage. | | |
| 3.1 | System must be fully scalable, configurable, and customizable architecture designed to allow incremental changes in capacity and functionality. |  |  |
| 3.2 | System must function at night and in dim lighting situations with not external lighting required other than the lighting that is integrated within the hardware. |  |  |
| 3.3 | System must have the ability to ingest data from third-party sources. |  |  |
| 3.4 | System must support a minimum of two (2) cameras operating independently and simultaneously for mobile setup. |  |  |
| 3.5 | System must operate on any MDT -Mobile Data Terminal or on-board laptop. without adversely affecting any other existing applications. |  |  |
| 3.6 | Cameras must be ruggedized, allowing for operation in wet conditions, extreme hot and/or cold temperatures, and in heavy winds. |  |  |
| 3.7 | Cameras must have the capability of mounting, either temporarily or permanently in such a way that an individual’s field of view is not obstructed. |  |  |
| 3.8 | Cameras must be mounted and provide IR for license plate capture and color overview images for vehicle identification. |  |  |
| 3.9 | Cameras must operate independently. |  |  |
| 3.10 | Cameras must have the ability to read all readable license plates, including digitally printed place, from all fifty (50) states including vanity plates, multiple plates and half-height characters, in both daylight and darkness and read license plates that produce digital characters. |  |  |
| 3.11 | Fixed Camera Systems must be comprised of a minimum one (1) self-illuminating IR camera(s) for effective license plate image capture in a variety of weather and lighting conditions. |  |  |
| 3.12 | Mobile Camera Systems must be comprised of a minimum of three (3) self-illuminating IR cameras for effective license plate image capture in a variety of weather and lighting conditions. |  |  |
| 3.13 | Cameras must be capable of capturing license plates in any of the following scenarios: |  |  |
| 3.13.1 | An adjacent lane on either side of the patrol vehicle while driving through traffic and/or parking lots. |  |  |
| 3.13.2 | Traffic in an adjacent lane while parked on the side or should of a roadway. |  |  |
| 3.13.3 | Any parking application from parallel to perpendicular parked card orientation with respect to the movement of a patrol vehicle. |  |  |
| 3.13.4 | An adjacent lane to capture the rear license plate of the vehicle as is passes the patrol vehicle or vice versa. |  |  |

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|  | **Interrogation / Interview Room.** To include all components necessary to create video and sound recording equipment to capture interrogations to be used in evidence collection. System must include all video (HD panoramic or fixed cameras) recording (DVR, media card, live streaming, or upload to cloud service or networked computers) microphones, mounting hardware and accessories, and software. | | |
| 4.1 | Camera should have a resolution of at least 3 Megapixels. Please provide camera resolution. |  |  |
| 4.2 | Digital Camera Recording of no less than 1080P. If different, please provide resolution. |  |  |
| 4.3 | Cameras must have brightness, color saturation, contrast settings to allow for room adjustments. |  |  |
| 4.4 | Frame rate no less than 10 fps. Please include equipment frame rate. |  |  |
| 4.5 | Camera should have Ethernet and Wi-Fi capabilities |  |  |
| 4.6 | Options should include covert and/or non-covert camera, |  |  |
| 4.7 | Must include omnidirectional microphone with at least a 10 ft. range |  |  |
| 4.8 | Auto-gaining microphones that allow for low voice amplification and decrease for loud voices are desirable. Please list your microphone functions. |  |  |
| 4.9 | Wall switch for one touch start or stop feature. Please describe options. |  |  |
| 4.10 | System must allow for multi-view configurations. Options to include set subject recording or rotating cameras to view entire room. |  |  |
| 4.11 | Recorded data must be able to document, index, and annotate recording session. Please describe your capabilities of the recorded data. |  |  |
| 4.12 | Data can be recorded to a DVD, jump drive, storage media card, or imported to a networked computer. Describe your equipment storage capabilities and methods of data transfer. |  |  |
| 4.13 | Evidence based data software capabilities are required. Please describe your company’s options for handling data post-recording. |  |  |
| 4.14 | System must provide storage to record at least 12 consecutive hours |  |  |
| 4.15 | The recorded footage must contain a date and time (hrs.: mins: secs) camera location stamp in the metadata and as a watermark on the video. The date and time stamp shall be exported with the imagery, without employing lossy compression. There must be a means by which the user/administrator can calibrate the date and time displayed by the device. (Sec 2) |  |  |
| 4.16 | The system must have a visual indicator of the hard drive holding the recordings is full |  |  |
| 4.17 | The system shall meet the fire, electrical, thermal, and mechanical safety requirements of UL 60065 and/or UL 60950-1, as applicable. |  |  |
| 4.18 | The system shall operate on standard 120 VAC power and be resistant to power fluctuations at power line voltages equal to ± 10% of the nominal value and with variations in frequency ± 5% of the nominal value of 60 Hz4. |  |  |
| 4.19 | The video stream(s), audio streams, and the associated metadata trigger events shall remain synchronized to an accuracy of 33 ms throughout the duration of the recording. Time/date metadata shall be encoded at least once every 33 ms and shall not overwrite video image information. |  |  |
| 4.20 | The system shall be able to record audio, line level with a minimum of 16-bit per sample, and a minimum sampling rate of 44 kHz producing an uncompressed linear pulse-code modulation (LPCM) stream. The system shall have the capability of recording a frequency response of at least 100 Hz through 5 kHz. |  |  |
| 4.21 | The system should be capable of having XX cameras, it shall have capability of displaying separate synchronized video streams from each of the system cameras simultaneously. |  |  |
| 4.22 | User that starts and stops recording must be authenticated with username password or single sign-on using network credentials |  |  |
| 4.23 | Feed of at least 2 video cameras simultaneously in rooms must be viewable on live feed on video screen regardless of recording or not |  |  |
| 4.24 | System must have a notification that a recording is happening in user interface |  |  |
| 4.25 | System must be able to clearly capture all conversations in the rooms |  |  |
| 4.26 | Produce and record metadata within the VMS associated with but separate from video stream |  |  |
| 4.27 | Must record in progressive scan format to prevent interlace artifacts |  |  |
| 4.28 | Both primary and staging storage must have backup of videos to guard against loss |  |  |
| 4.29 | Native resolution (minimum 1280 X 960)  Please indicate other resolution options in the space provided. |  |  |
| 4.30 | Format (minimum MPEG4)  Please indicate other format options in the space provided. |  |  |
| 4.31 | Frame Rate (minimum fixed 39.97 FPS day and night with no dropped frames.)  Please indicate other frame rate options in the space provided. |  |  |
| 4.32 | Video Compression (H.264 or H.265). Must meet recommendations set by ITU-TH.264 International Standard ISO/IEC 14496-10 (02/2014).  Please indicate other video compression options in the space provided. |  |  |
| 4.33 | The video must not encode a Group of Pictures greater than 30 frames. (Reference frames shall be no further than 30 frames apart.) |  |  |
| 4.34 | The System must be capable of demonstrating an industry standard method of validating the reliable transfer of data from the recorder to the backend storage system. A digital signature must be produced that can be used to validate the transfer of data. |  |  |
| 4.35 | The recorded footage must contain a date and time stamp (hrs.: mins: secs) in the metadata and as a watermark on the video. The date and time stamp shall be exported with the imagery, without employing lossy compression. There must be a means by which the user/administrator can calibrate the date and time displayed by the device. |  |  |
| 4.36 | The footage time and date are regularly and automatically checked and calibrated via an external clock signal. This must include automatic adjustment for DST changes. |  |  |
| 4.37 | The device must have a unique ID that is embedded within every video file (as metadata). |  |  |
| 4.38 | Device exports all recorded footage to data archiving/management system in its original file and format without loss of quality or associated metadata. |  |  |
| 4.39 | Loss of power must not cause data to be lost/corrupted. |  |  |
| 4.40 | The system shall prevent unauthorized alteration or deletion of records and recorded data. |  |  |
| 4.41 | If data is encrypted in transit, it must be FIPS 140-2 certified |  |  |
| 4.42 | List how your system can resume original retention schedules after recorded data has been used for an investigation, litigation, or any other legal action and said activity has been concluded. |  |  |
| 4.43 | The system shall have total capability to access, search, and retrieve recorded data entirely throughout the predetermined retention period. |  |  |
| 4.44 | The capability to restrict access to certain videos is required. |  |  |

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|  | **Video Storage, Data Security, Software and Peripherals.** To include all supporting equipment and/or services for video storage, including Government cloud services or local secured storage systems. Data management tools, software with related maintenance and/or license fees, related peripherals. Category 5 is not considered to be a hardware category without the purchase of bundled video products and/or accessories. | | |
| 5.1 | Offeror must contractually commit in writing to managing data in accordance with the FBI’s Criminal Justice Information Services (CJIS) Security with each requesting Agency. |  |  |
| 5.2 | Offeror must provide document that the personnel working in your cloud provider’s data center passed a fingerprint based CJIS background check provided by the FBI or your state’s CJIS office |  |  |
| 5.3 | Offeror must contractually commit to audits to demonstrate continued adherence and detail providing full support for CJIS compliance? |  |  |
| 5.4 | Offeror must be able to provide a separate, fully isolated cloud platform for U.S. federal, state, and local government customers. |  |  |
| 5.5 | Offeror must agree and certify that the individual State(s) will retain ownership of all data. |  |  |
| 5.6 | Offeror must attest that all State and Local Government data will be kept within the continental limits of the United States. |  |  |
| 5.7 | Offeror must explain chain of custody process, all associated user fees, access fees, switch/change fees, and methods of data retrieval. |  |  |
| 5.8 | All work done by the contractor must be done in the continental United States. |  |  |
| 5.9 | Proposed solution must have the ability to share video evidence with groups inside and outside of Agency, with no proprietary file formats to view video. |  |  |
| 5.10 | Agency may require controlled access to evidence; define roles, and permissions, users, and passwords. |  |  |
| 5.11 | Must be capable of creating multiple evidence files, tags, markers, indexes, and clips without altering original video. |  |  |
| 5.12 | Video management system must contain built-in redaction system for both audio and video. |  |  |
| 5.13 | VMS supports multifactor authentication to ensure and enable authorized users only to securely access videos from an authorized device. |  |  |
| 5.14 | System must allow users to be able to export video of the video file (such as for storage, copy to a thumb drive, burn a DVD, etc.) that users are authorized to view. |  |  |
| 5.15 | The system/solution must generate and maintain forensically sound and meaningful event and audit logs, such as to include date/time, user identification, actions taken, files affected, and source/destination information. |  |  |
| 5.16 | The log must be able to determine if a video has been tampered with or has had attempts to tamper with and alert a specified individual or group. |  |  |
| 5.17 | Users must authenticate to view, download or review video |  |  |
| 5.18 | The redaction method/process must be permanent when shared and separate from the original video. It must not employ a technique that can be reversed for the purpose of reconstructing the original data. |  |  |
| 5.19 | The redacted video file must be retained and easily retrievable for future use. |  |  |
| 5.20 | Users must be able to search for videos by serial number, case event number, date/time, and camera location |  |  |
| 5.21 | System must have ability to view video one frame at a time both backwards and forwards |  |  |
| 5.22 | System must have ability to view more than one video at the same time, with the time synced |  |  |
| 5.23 | The System shall produce an audit log of all recordings, deletions, edits, file name, and digital signature These reports shall also indicate which items have been deleted, edited, the time and date when changes were made, and who performed the actions. The log should also record what camera is associated with which officer and which video is associated with which camera. |  |  |
| 5.24 | The system shall prevent unauthorized alteration or deletion of records and recorded data. |  |  |
| 5.25 | The system shall be capable to establish the start of a predetermined retention period for any data stored by a date or other event trigger. |  |  |
| 5.26 | List how your system can resume original retention schedules after recorded data has been used for an investigation, litigation, or any other legal action and said activity has been concluded. |  |  |
| 5.27 | The system shall have total capability to access, search, and retrieve recorded data entirely throughout the predetermined retention period. |  |  |
| 5.28 | The capability to restrict access to certain videos is required. |  |  |