Requirement
System shall be a fully integrated digital evidence system that includes the ability to upload, store, retrieve, manage, redact, and disseminate audio, video, and still digital images.
Shall have a comprehensive Digital Evidence Management System (DEMS) that the Oregon CJIS Systems Officer (CSO) has deemed CJIS compliant.
Shall have an IOS based application or a mobile- friendly secure webpage. The City standard is iPhone.
Shall have a robust end-user interface that allows for complete administration of all data including but not limited to: • Internal and External Sharing • Make confidential or restrict access • Digital Evidence Redaction • Purging/Permanent Retention • Account Administration
Shall have system administration security at a granular level to effectively manage appropriate access to digital evidence including but not limited to: • Uploading • Tagging/Indexing • Viewing • Deleting • Redacting • Sharing • Generating Audit Logs
Shall have the ability to deactivate a user account while maintaining all digital evidence and releasing the license count for deployment to another user.
Shall have the ability to capture GPS coordinates of video and still images captured through vendor supplied mobile application, including continuous capture for video.
Shall have the ability to tag and index (in field) required data fields for captured video and still images through vendor supplied web interface or mobile application.
Indexed data fields shall be configurable, and selections limited in the mobile application.
All digital evidence shall be classified for retention and storage. Classifications shall be configurable and revert to a default if none are selected. Users with appropriate permissions shall be able to update the classification.
Digital evidence shall have a configurable retention and purge system based on agency defined business rules. Shall also have the ability to manually purge based on security permissions.
Shall have a configurable warning period prior to system purging.
Shall have the ability to recover a video during a grace or warning period after purging.
Shall have the ability to upload industry standard video files, audio files, and still images in multiple formats.
System shall ensure all digital evidence uploaded through the vendor supplied mechanism has been successfully uploaded prior to deletion/overwritten from the device.
System shall ensure all digital evidence uploaded through the vendor supplied mechanism is removed from the device upon successful upload.
System shall allow redaction of digital evidence based on appropriate security and redaction information should be noted in metadata. Original digital evidence shall be retained and unaltered.

System shall include a fully integrated redaction tool complete with industry standard redaction techniques, including the ability to automatically detect and render faces unidentifiable. Shall include manual selection of items and the ability to follow those items and redact throughout the video. Shall include the ability to redact
Shall have the ability to download video for storage on other devices (DVD, thumb drive, etc.) and prove authenticity (chain of custody) if challenged in court.
Shall have ability to search and sort files by the following criteria, as well as missing or null values for each category: 1. Date and time frame 2. User/Officer 3. File name 4. Video categories 5. Source Device 6. Case/incident number 7. Geolocation
Shall have the ability to view/play digital evidence recordings in most standard DVD players or PCs using a standard format not requiring specialized software installation.
System shall have the ability to upload digital evidence from multiple users, multiple devices and multiple locations simultaneously, e.g. during/after an event or investigation.
Shall provide 24/7 technical and functional support including camera replacement. Onsite support is available as required by priority/severity.
Shall be a wearable body camera that will be able to capture video from an Officer's perspective.
Cameras should have multiple mounting options available, including but not limited to: • Shoulder • Helmet • Chest • Glasses
Shall have the capability to capture images comparable to natural human vision. To include: □ Twilight □ Nighttime household lighting □ Hallway/stairwell in a typical office building □ Outdoors, overcast □ Outdoors, full daylight, but not direct sunlight □ Outdoors, direct sunlight
Night mode is sufficient: distance, clarity, and field of view.
Shall have a drop resistance of at least 6 feet.
Field of view is a minimum of 120 degrees.
Camera shall provide a stable video recording.
Built-in display screen is sufficient.
Captured video shall record in multiple formats (non-proprietary) including: • MPEG4 • H.264
Shall have a minimum record time of 10 hours at 1080p video resolution size.
Shall hold a minimum battery life of 12 hours fully charged and stand by time in buffering.
Videos are continuous and do not require multiple clips of video to equal 8 hours.
Shall have the ability to capture no less than thirty (30) frames per second video.
System clocks are, and remain accurate.
Time code/clock indicators are present when recording audio only.

The total number of wire or cable connections for the body-worn devices shall not exceed one cable on the
Shall have storage that is secure and non-removable.
Shall have the ability to pre-record audio/video for a minimum of 30 seconds and be configurable at the individual device by administrators. If pre-recording includes audio, must be configurable at the programming
Shall contain easily accessible user controls or interface to activate a recording, end a recording, and upload the
Wearable devices shall provide a configurable audio/visual cue when activated and recording.
"Stealth" modes are sufficient.
Audio/visual cues are logged in metadata when recording is activated during normal and any “stealth” modes.
Shall have a minimum IP67 rating. With IP68 preferred.
Shall have a rechargeable battery.
Recharging a fully depleted battery shall not exceed six (6) hours.
Shall have mode indicator lights that include storage space, battery strength, and power during normal and
Storage space, battery strength, and power indicators are logged in the metadata during normal and "stealth"
Shall have an audible warning for low battery. Does “stealth” mode mute this tone.
Audible warning for low battery is logged in the metadata.
Camera, battery, and associated equipment shall have a minimum one-year warranty.
Should have the ability to have a companion external or internal camera mounted in or on a vehicle that is fully compatible with the system for uploading and charging. Describe how this companion system would upload including
Shall have a simple camera charging and video upload process. A dock-and-walk upload process for uploading and charging simultaneously (preferred) or remote uploading (LTE or wifi). Please describe the process for
Should include multiple charging options including but not limited to: • USB • Wall Charger • Vehicle Charger • Charging Stations (both single and bulk)
Triggers that will automatically activate recording, to include: • Activation of lights/siren • When a firearm is drawn from the holster • When running • Shot detection • Fall detection • Remote activation by supervisor or CAD integration • Proximity to other cameras Describe any others if applicable. Please provide data on the reliability of each
Shall allow Officers to review video while in the field.
Shall have the ability to control the volume for audio/visual playback in the field.
Shall have the capability in the field to tag and index related data via in-car computer and/or smart device.
Shall have the capability in the field to index a single video to multiple events and multiple events to a single
System shall allow for the data conversion of existing digital images into industry standard formats. Video output format of MP4 (H.264) is preferred. Describe what formats your system is capable of supporting.
System shall allow for the data conversion or migration of existing video files in industry standard formats.
System shall allow for the data conversion or migration of existing audio files in industry standard formats.
System shall be capable of interfacing to 3rd party systems, e.g. GovQA (by Granicus), Legal Hold Pro (by Zapproved), or Versadex RMS (by Versaterm).
System shall be capable of interfacing with the Versadex CAD system to link metadata from calls to BWC video.
Axon system is compatible with City supported versions of Microsoft SQL Server.

Meet the following criteria to City standards: • Capabilities and availability of alternate processing, communications, and operations facilities • Plans for maintaining business processes, including communications with the City, the City'scustomers, and suppliers of goods and services • Estimated time to recover from disaster events, and service level expectations for businesscontinuity following a disaster
Cloud based hosted systems must be approved by State of Oregon CJI Dept and shall have environmental safeguards of data centers such as: • Fire detection and suppression • Uninterruptible power supplies • Power generation management
Provide Country, City, and State or Province of all data centers that could potentially host PPB data.
City of Portland shall retain all ownership of any and all digital evidence stored on a vendor hosted cloud system.
City of Portland shall receive any and all digital evidence including metadata back in industry standard usable format in the event of contract end.
Shall have third party vendor access to system prohibited unless allowed by City of Portland authorized
Shall use IPv4 and be compatible for IPv6.
Shall be capable of wireless 802.11 a, b, g, n, and ac protocols utilizing LEAP authentication. Please describe if
Shall be compatible with, and maintain compatibility with latest versions, of the following browsers: • Microsoft Edge • Safari • Chrome
Captured images from software/picture shall export at a minimum in the following formats: • JPEG • TIFF • PNG
Shall have a preferred minimum resolution of 720p. Describe what the maximum record loading time (view/upload/download) is for each resolution: • 640 x 480 • 720p • 1080p
Shall be able to export video format and be compatible with the following: • MP4 • AVI • WMV • WAV • MOV
At a minimum, software shall be compatible with Microsoft Windows 10 64-bit and run as a standard user without the need for elevated administrative privilege. Software will comply with Microsoft development
Shall have a redundancy of network gateways using multiple, physical non- continuous US locations in case of network related issues of host server.
Shall have the ability to print still photos utilizing current supported name brand printers/drivers. Describe any
Storage system shall be in compliance with FBI CJIS Security Policy data protection and transport standards (i.e. TLS standards supported by NIST: currently TLS 1.2.). No external party-initiated connections will be allowed. Must be located within the United States or Canada including data storage for disaster recovery systems.
Encryption methodology shall comply with FBI CJIS Security Policy v5.9 section 5.10.1.2 Encryption.

Cloud based video management systems shall leverage Microsoft Active Directory Federation Servers (ADFS) or Lightweight Directory Access Protocol (LDAP) for managing system security access and authentication.
On Premises video management system shall leverage Microsoft Active Directory (AD) for managing system security access and authentication.
Should have the ability to send email messages sourced from portlandoregon.gov, on behalf of hosted systems,
Provide detailed system architecture documentation, including system, network, security, and traffic flows to assist City of Portland Police Information Technology Division with integration into the secure Police network.
IT support is sufficient, e.g. response time, time to resolution, etc.
The system shall allow multi-faceted role-based security levels for activities within the system. For example: division assignment + role = permission/access to video.
System shall have the ability to enforce security by Active Directory (AD) group membership.
Any installed application (PC or mobile), shall contain methods of security to prevent unauthorized access.
Shall allow the user to run application after initial installation without local administrative access to user's PC,
Security of data during connection and transfer to hosted cloud system minimum of 256-bit AES encryption using SHA-256 algorithm. Encryption in transit shall use SSL 2048 bit key or better and at least AES 256 or better. Firmware and software updates must be kept up to current CJIS standards if updated by the FBI.
Local encryption at rest shall use AES 256 or better.
Provide security of hosted network gateways including Intrusion Detection and Prevention restrictive firewall
Shall have third party vendor access to system prohibited unless allowed by authorized personnel at the City of
Provide options for Advanced Authentication (two factor authentication), IP access restriction, and/or security challenge questions upon access from an unknown or not previously used location or device.
System shall be capable of providing authentication and complete access logs for the life of all Digital Evidence.
System shall have a complete audit trail generated for all digital evidence to include: • Uploading • Viewing • Exporting • Sharing • Deleting • Redacting • Indexing/Tagging • Updating • Purging Audit Trail should include: username, ID #s (DPSST), computer IP or name, and date/time stamps, device identifiers.
Criteria for ensuring full system performance and testing will be conducted to demonstrate proper installation.
Will the vendor provide a one-year warranty upon the Final Acceptance of the project?
Describe the warranty coverage that will apply during the one-year period.
Indicate the hours of operation any costs for the customer service/help desk.
What is the turnaround time for a support call per criticality level?
Is new or updated documentation supplied with all patches and upgrades?
Is the cost to receive enhancements and upgrades, including major and minor versions, included in the
Does the company agree not to charge maintenance during the one-year warranty period?
What is the company's up time/availability record over the last three (3) years?
Are service and repair of devices provided at no cost to the City? List any exceptions to covered repairs.
Equipment replacement timeline is sufficient.

Provide your recommended system for employees of the bureau (i.e. K9) who are required to respond from home to police situations that do not allow time for them to retrieve an assigned body- worn camera from their typical work location. What is the company recommendation to ensure that these on-call Officers have the
Mounting options are sufficient
Integrated redaction tool is sufficient.
Explain in detail, including timeframes, how your company will handle replacement or upgrade of the body-worn cameras and batteries based on warranty issues.
Explain in detail, including timeframes, how your company will handle replacing and/or upgrading body-worn