

The following information is intended to establish a standard of quality and desired features to ensure that the needs and requirements of the department/company are met.

General:

1. The camera must have a 140° lens for wide video capture.
2. The camera must utilize a Sony IMX image sensor for excellent low-light picture.
3. The camera must utilize H.265 video compression for small file sizes.
4. The camera must have an integrated GPS for location data accompanying videos.
5. The camera must have a built-in microphone for audio recording accompanying the video.
6. The camera must have a built-in speaker for audible feedback.
7. The camera must have a large 4200mAh internal battery for full-shift recording.
8. The camera must have a large easy to operate record button on the front.
9. The camera must have easy to operate function buttons on either side for in-field function changes and event marking.
10. The camera must have a simple docking interface on the bottom.
11. The camera must be capable of being used with either PV Transfer software to storage maintained by customer or SecuraMax cloud software managed by PRO-VISION.
12. The camera configuration must only be able to be changed by an administrator through software; configuration changes cannot be made by using the device itself.

Physical:

1. The camera must have a durable ABS plastic housing.
2. The camera must have a protective exterior lens flush with camera housing.
3. The camera must be waterproof with a minimum IP68 waterproof rating.
4. The camera must be no larger than 3.1" (h) x 2.0" (w) x 1.0" (d).
5. The camera must have a color LCD display with a screen size of at least 1" diagonal.
6. The camera LCD screen must be located on the top of the camera so the user can observe it while mounted.
7. The camera must weight no more than 5.3oz (150g).
8. The camera must be capable of operating in a wide temperature range of -30°C (-22°F) to 60°C (140°F) with relative humidity between 40-80%.
9. The camera battery must be customer replaceable with basic hand tools.

User Interaction:

10. The camera must be capable of powering on and begin recording an event with a single button press.
11. The camera must be capable of starting and stopping a recording event using the large front button.
12. The camera must be capable of starting a recording event by remote activation from another device; including but not limited to PRO-VISION model DVR-906 In-Car Systems and other BODYCAM 4 devices.
13. The camera must be configurable to allow remote activations from any customer's devices or only the configured customer's devices.
14. The camera must allow a user to mark important events during a video by using a side button.
15. The camera must be configurable to allow a user to mute audio recording by using a side button.
16. The camera must display the assigned camera user on the top display screen.
17. The camera, when used with SecuraMax software, must have the ability to be used in a camera pool mode; this would allow any user to remove any camera from the dock at the beginning of shift and then scan their unique RFID tag to assign the camera to their user account.

18. The camera must use high frequency 13.56MHz RFID to provide consistent login readings even when the user RFID tag is placed on the back of metal objects such as a police badge.
19. The camera must have a two-color front LED indicator (Blue/White) that displays the camera's recording and operational status.
20. The camera front LED must have distinguishable patterns for the following events:
 - a) No Recording
 - b) Background Recording
 - c) Pre-Event Recording
 - d) Event Recording
21. The camera front LED must be able to be temporarily disabled by a button press for covert recording operation.
22. The camera front LED must be configurable ON/OFF.
23. The camera must provide unique audible tones when the following events occur:
 - a) Power On
 - b) User Login
 - c) Recording Event Started (by button)
 - d) Recording Event Started (by remote activation)
 - e) Recording Event (every 5min)
 - f) Recording Event Stopped
 - g) Low Battery
 - h) Power Off
24. The camera audible tones must be able to be configurable ON/OFF.
25. The camera audible tone volume must be adjustable.
26. The camera must have a unique vibration patterns when the following events occur:
 - a) User Login
 - b) Recording Event Started (by button)
 - c) Recording Event Started (by remote activation)
 - d) Recording Event (every 5min)
 - e) Recording Event Stopped
 - f) Low Battery
27. The camera vibrations must be able to be configurable ON/OFF.
28. The camera LCD must display the following information when in use:
 - a) Battery Status
 - b) Storage Capacity Time
 - c) Video Recording Status
 - d) Audio Recording Status
 - e) Background Recording
 - f) Pre-event recording
 - g) Event Recording (with length display)
 - h) Post-event recording
 - i) File Overwrite
 - j) Event Marked
 - k) Low Battery
 - l) Low Disk Space
 - m) User ID
 - n) Serial Number
29. The camera LCD must display the following information when in docked:
 - a) Battery Status
 - b) Disk Space
 - c) Transfer Status
 - d) Customer ID

- e) Network Address
- 30. The camera LCD display must have selectable brightness.
- 31. The camera LCD display must automatically dim to conserve battery life.

Recording:

- 32. The camera must be capable of recording at least 16 hours of video on a single battery charge.
- 33. The camera must be capable of recording and storing up to 80 hours of video in the internal memory before requiring download.
- 34. The camera must have at least 64GB of internal non-removable storage.
- 35. The camera must store files utilizing AES-256 standard encryption to prevent unauthorized file access even if the camera is disassembled.
- 36. The camera must be able to record video at up to 1440P (2560 x 1440 pixels) quality at up to 30 fps (frames per second).
- 37. The camera must have configurable recording resolution and framerate.
- 38. The camera must have a configurable constant background recording feature to record video from power on, this feature must include the ability to automatically overwrite the oldest background videos when the disk is full.
- 39. The camera must have a configurable pre-event recording function to allow up to 60 seconds of video to be added before an event is started.
- 40. The camera must have a configurable post-event recording function to allow the event recording to continue for up to 180 seconds after the user presses the stop recording button.
- 41. The camera must be configurable to set audio recording during background and pre-event recording ON/OFF.
- 42. The camera must be configurable to set audio during event recording ON/OFF.
- 43. The camera must be capable of date and time overlay onto the recorded video.
- 44. The camera must be capable of personal identifier overlay onto the recorded video.
- 45. The camera must be capable of serial number overlay onto the recorded video.
- 46. The camera must be capable of GPS location overlay onto the recorded video.
- 47. The camera must automatically synchronize the date and time through the internal GPS.
- 48. The camera must have a configurable time zone setting.

Mounting:

- 49. The camera must support multiple mounting options:
 - a) Rotating Garment Mount
 - b) Heavy Duty Magnetic Mount
 - c) Epaulette Mount
 - d) Molle Mount
 - e) Screw-to-Fit Mount
 - f) Screw-On Mount
 - g) Any Klick Fast system compatible mount

Docking/Charging:

- 50. The camera must be able to offload video directly through a docking station without the use of a connected PC.
- 51. The camera must be able to offload video to a local server or to cloud server.
- 52. The camera must be able to simultaneously charge and offload video.
- 53. The camera battery must be able to be charge fully in 4.5 hours or less.
- 54. The camera must have both a single-unit docking station and 10-unit docking station options.
- 55. The camera must use spring loaded pin connections to the docking station to provide a durable, reliable connection that is not easily damaged.

56. The single-unit docking station must:
 - a) Be able to upload video directly through LAN without the need for a PC
 - b) Be able to charge through a USB-C power connection
 - c) Be able to be mounted directly to a horizontal surface
 - d) Include a bracket to allow mounting to a vertical surface
57. The 10-unit docking station must:
 - e) Be able to upload video directly through LAN without the need for a PC
 - f) Be able to charge all cameras at that their maximum charging rate simultaneously.
 - g) Have an internal power supply
 - h) Be able to be mounted directly to a horizontal surface
 - i) Be able to be mounted to a vertical surface
58. The camera's must automatically check for the latest firmware, then download and apply it when a new release is available.

Server Software:

59. The software must be able to be installed on any Windows 10 and newer or Windows Server 2012 and newer computer.
60. The software must be able to individually assign a name to each camera with a length of no less than 8 characters.
61. The software must have an interface to set the configuration settings for each camera individually or as a group.
62. The software must be able to configure camera settings without the camera being connected to the PC.
63. The software must be able to automatically update camera configuration settings when the camera is docked.
64. The software must be able to be configured to store files locally, on a network storage location, or to a cloud storage location.
65. The software must automatically begin files transfer when a camera is docked and connected, it must not require a user to enter information or click a button for transfer to begin.
66. The software must allow the camera to be charged while upload is taking place.
67. The software must automatically remove transferred files from the camera once upload is complete.
68. The software must automatically arrange transferred files by camera name, date, and time.
69. The software or cameras must not be able to handle if a camera is disconnected before file transfer is completed.
70. The software must store files in an user friendly un-encrypted MP4 format for easy playback without requiring special software.

Warranty:

71. The camera and accessories have a warranty of at least 12 months.
72. The camera battery must have a warranty of at least 90 days.

Support:

73. The camera purchase must include toll free access to customer support provided by the camera manufacturer.
74. Technical Support must be provided over the phone at no charge.
75. Customer service, technical support, warranty claim, and repair facilities located in the United States