

Specifications for Body Worn Cameras and Video Management Software

Video Management System Requirements

1. The video management system must operate on the NPS network independent of an outside internet connection.
2. The video management system shall allow simultaneous access from multiple personal computers running Microsoft Windows 10 OS or later on the NPS network for downloading, viewing, and exporting video.
3. Exported video shall be in an industry standard video format.
4. Administrators must be able to specify a network location when videos are exported. A fixed location or device type such as DVD or CD shall not be required.
5. Viewing exported video must not require a specialized proprietary codec or video player.
6. The video management system shall be hosted on a 64 bit Windows Server 2016 or later machine.
7. The video management system must log camera assignments (minimum required data includes date, time, camera ID, by user ID, to user ID)
8. The video management system must log camera de-assignments (minimum required data includes date, time, camera id, by user ID)
9. The video management system must log the downloading of video from a camera to the server (minimum required data includes date and time of download, camera ID, video ID, date and start time of video recording, and elapsed time of the recording or date and end time of video recording).
10. The video management system must log video access (minimum required data includes date and time video was accessed and user ID).
11. The video management system must log video deletion (minimum required data includes date and time video was deleted and user ID).
12. The video management system must log video exporting (minimum required data includes date and time video was exported and user ID).
13. The video management system must have access control that allows for the individual specification of user's ability to view their own video, view other's video, export video, delete video.
14. The video management system shall be able to support at least 100 cameras at one time and 100 active users at one time.
15. The video management system must be able to store and manage a minimum of 16 TB of video data via storage devices mounted on the server or network attached storage.
16. A paired camera and video management system must insure that video from a camera may only be downloaded to the designated video management system.
17. Three years of software maintenance.

Camera Requirements

1. Minimum 32 GB storage
2. Minimum resolution of 720P at 30 fps
3. Field of view of 120 to 143 degrees
4. Battery life of 10 hours of record time
5. Drop Test 6 feet
6. Pre-event buffer of minimum of 30 seconds
7. Videos may not be deleted by the camera user
8. Videos may only be downloaded to a paired designated video management system