

## **Video Surveillance Use Case**

Use Case: Video monitoring and alerting tools with minimal bandwidth requirements to enhance real-time remote security initiatives.

Details and background:

Pelco CCTV (Closed Circuit Television) software is currently installed and in active use at over fifty DEP sites. These cameras can be actively monitored 24/7 from centralized locations. Pelco software is specified in many future contract designs at additional DEP sites, both in the Upstate Watershed and In-City.

1. This standard requires that certain crucial components consisting of the proprietary software, licenses, and Network Video Recorders (NVRs) be brand specific for integration into the existing system and support DEP's goal of central monitoring CCTV systems.
2. Having a standard CCTV platform is effective for growth in centralized monitoring, maintenance, upgrades, and is easier for stocking parts.
3. Pelco systems comply with the National Defense Authorization Act (NDAA of 2018).
4. Servers, Video Management Software, Cameras and Encoders must be manufactured by Pelco
  1. Other camera company models may be designed to integrate with Pelco software; however experience has shown challenges in achieving compatibility. This has required purchasing additional components, committing personnel time for custom programming, and not achieving the intended functionality.
  2. Maintenance is much more efficient by standardizing on Pelco cameras, stocking of uniform spare parts, which leads to more timely repairs and restoration of camera operation. Replacing a camera of a different brand may lead to much more labor and costs as mounts and wiring may be different, leading to more time for staff to spend on ladders or aerial lifts.
5. When available, standard Pelco parts must be used for CCTV related equipment such as power supplies, injectors, illuminators, etc.
6. Choosing a CCTV system other than Pelco will create incompatible systems that cannot communicate with each other, undermining the ability for central monitoring. In addition, each software provider has different licensing procedures and fees which makes it more difficult to budget and plan accurately for new installations and software upgrades.
7. Having a standard CCTV platform is effective for growth in centralized monitoring, maintenance, upgrades, and is easier for stocking parts.
8. Future efforts to attempt integration of incompatible systems may require costly replacements of functioning equipment or not be achievable.
9. All CCTV designs must be reviewed and approved by BPS Security Engineering Unit to ensure compatibility with the DEP agency wide systems.