Aruba’s Video Surveillance Solution

Video surveillance systems are essential to assure physical security. However, traditional analog video surveillance systems cannot scale to a large number of cameras for campus-wide installs or across geographically separated locations. Aruba’s User-centric network combines adaptive WLANs, identity-based security and application continuity services in one high-performance platform to enable campus-wide and geographically distributed video surveillance systems. Further, with Aruba's open-standards approach, you have the freedom and flexibility to interconnect any digital IP camera or any legacy analog camera.

Using Video Surveillance

**PUBLIC SAFETY**
College campuses, public venues, mass transit facilities, residential complexes, commercial parks, etc. can cost-effectively implement complete video surveillance coverage of indoor and outdoor areas.

**ROVING SECURITY**
Anywhere, anytime access to video feeds using secure, reliable video streaming to Wi-Fi enabled devices increases mobility and effectiveness of security personnel.

**PERIMETER SECURITY**
Hospitals can monitor new-born wards and high-security facilities can secure entry points with video intelligence systems that automatically detect motion or breach of no-entry/exit zones.

**IMPROVED OPERATIONS**
Retailers can reduce shrink and manufacturing operations can be streamlined by linking (using APIs) item location or movement as it is captured on video with point-of-sale and ERP systems.

How Aruba Enables Video Surveillance

- Simultaneous video, voice & data
- Video over LAN or WAN
- Secure mesh extension outdoors
- Extra wired port on AP-70 for wired cameras
- Unmatched flexibility and cost-savings for camera connectivity
- Easy camera integration and installation
- Reliable mobile surveillance and wireless video streaming
- Freedom to choose any vendor's camera and video system
CAMERA CONNECTIVITY
Aruba Access Points (APs) provide wireless LAN access to Wi-Fi cameras. Aruba AP-70 models also provide wired connectivity to wired IP cameras and analog cameras with video servers. Aruba APs in mesh mode (MPs) extend wireless and wired LAN connectivity to cameras in hard-to-wire areas, using Aruba’s award-winning secure enterprise mesh technology for backhaul. Different AP models are available to meet various environmental (indoor, outdoor and industrial), physical and RF requirements.

CAMERA PROVISIONING
All traffic from Aruba APs connected to cameras is automatically tunneled to centralized Aruba Mobility Controllers in the data center. This makes it easy for video and camera management systems to detect and provision cameras. The Aruba Controllers are also the single point of management for WLAN, LAN, wireless mesh and remote access networks.

Benefits of Aruba’s Video Surveillance Solution

- **Flexibility of camera placement and reduction in cabling infrastructure costs with unmatched connectivity options.** (see table)
- **Easy network integration and camera provisioning with Aruba’s centralized architecture.** Network reconfiguration and VLAN mapping of video cameras to video management servers is no longer required.
- **Reliable Video-over-WLAN transmissions of surveillance feeds from Wi-Fi cameras to mobile surveillance devices using RF and IP QoS mechanisms.**
- **Secure video streams from cameras to the network with Aruba’s client-to-core security.**
- **Freedom to choose any camera and video management system to fit their performance, coverage and costs requirements with an open-standard video surveillance architecture.**

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<th>LAN</th>
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<td>Digital IP Wired Camera</td>
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