

Cisco Physical Security Solution Overview

Cisco Physical Security Value Proposition

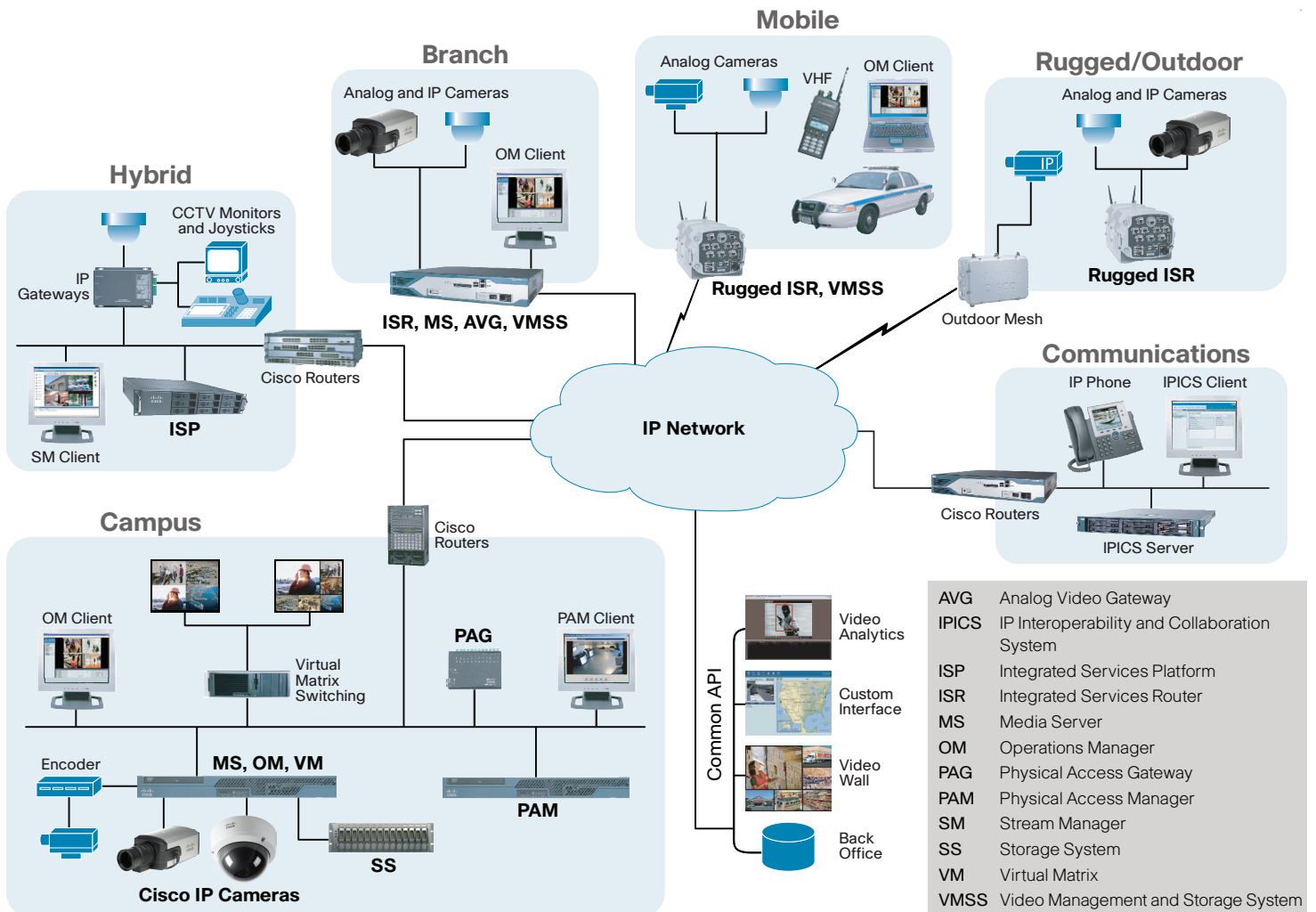
Cisco® physical security solutions provide broad network-centric capabilities in video surveillance, IP cameras, electronic access control, and groundbreaking technology that converges voice, data, and physical security in one modular appliance. Our connected physical security solution enables customers to use the IP network as an open platform to build more collaborative and integrated physical security systems while preserving their existing investments in analog-based technology. As customers converge their physical security infrastructures and operations and begin using the IP network as the platform, they can gain significant value through rapid access to relevant information and interoperability between other IP-centric systems. This creates a higher level of situational awareness and allows intelligent decisions to be made more quickly.

Cisco enables customers to build cost-effective, modular physical security solutions that are both best-in-class and interoperable. Cisco physical security products support the company's vision of a single unified security product suite that enables integration with all security operations within the IP network, and with many non security applications. Using the network as an open, scalable platform for integrating security provides businesses with several benefits, such as operational flexibility, greater protection capabilities, lower cost of ownership, and reduced risk.

Cisco Physical Security Solution Deployments

Cisco physical security solutions can be deployed in a wide range of scenarios. Featuring the highest level of network and video expertise, the solutions are designed for effective deployment in campus, branch, mobile, and outdoor situations. These video deployments range from a handful to thousands of cameras, from LAN/WAN to wireless connections, and from indoor to harsh outdoor or mobile environments.

Figure 1. Deployment Configuration





Cisco Physical Security Solution Overview

Cisco Physical Security Products

Cisco Video Surveillance IP Cameras

Cisco Video Surveillance IP Cameras are currently offered as an integral part of the Cisco Video Surveillance Manager solution. Available in both standard and true high-definition versions, Cisco Video Surveillance IP Cameras are high-resolution MPEG-4 and/or H.264 digital cameras designed for superior performance in many different lighting environments. These feature-rich cameras offer efficient network utilization while providing high-quality video.

Hybrid Analog and Network-Centric Video Surveillance Products

Cisco's hybrid analog and network-centric products allow organizations to enjoy a smooth migration from analog systems to an IP-based system. Because the Cisco solution allows analog equipment to operate as part of an IP deployment, customers' existing investments are protected.

Cisco Video Surveillance IP Gateways: High-performance IP gateway encoders work with analog cameras from various vendors and facilitate video transport and access over an IP network. IP gateway decoders allow the continued use of familiar analog keyboards and displays while taking advantage of new capabilities.

Cisco Video Surveillance Integrated Services Platform: The Integrated Services Platform is a fault-tolerant, scalable video recording and storage solution that works with existing analog matrix switches. The platform can accept video through either built-in digitization and compression technologies or Ethernet and USB connections.

Cisco Video Surveillance Stream Manager Software: This collection of discrete software modules provides advanced and flexible video surveillance system configuration, management, and operation, as well as viewing of live and recorded event-tagged video.

Network-Centric Video Surveillance Products

Cisco Video Surveillance Manager offers a solution for multiple-site and remote-site network-centric video surveillance. It provides excellent scalability, reliability, and bandwidth management.

Cisco Video Surveillance Media Server: Media Server is a highly scalable and reliable video management platform that manages, replicates, distributes, and archives video streams.

Cisco Video Surveillance Operations Manager: This Web-based user interface authenticates and manages access to video feeds. It is a centralized administration tool for the management of Media Server hosts, Virtual Matrix hosts, cameras, encoders, and viewers.

Cisco Video Surveillance Media Virtual Matrix: Virtual Matrix monitors video feeds in command center and other 24-hour monitoring environments. It allows operators to control the video being displayed on multiple local and remote digital monitors.

Why Cisco

As a trusted advisor and networked physical security user, Cisco has helped forward-thinking organizations maximize the value of their systems, personnel, and applications for more than 20 years. With deployments in industries such as education, gaming, transportation, airports and ports, military, retail, municipalities, and more, Cisco physical security solutions meet the uncompromising needs of many safety and security professionals today.

Contact your Cisco account team or Cisco Physical Security Authorized Technology Provider today for a personal demonstration and to learn more about how Cisco can help you ensure the safety and security of people and assets while unlocking the true value of your video system.

For more information, visit www.cisco.com/go/physicalsecurity or call 1-877-235-5477.

Cisco IP Video Surveillance for Integrated Services Routers

The Cisco Integrated Video Surveillance solution comprises a 16-port analog video gateway for video encoding, a video management and storage system, a Cisco integrated services router, and additional software from the Cisco Video Surveillance Manager product line.

This router-integrated, single-box solution is designed for video surveillance and other network services such as routing, security, and even unified communications. It allows customers to consolidate costly branch-office servers and deploy new applications centrally, while offering real-time access to physical security video and data. Current Cisco integrated services router customers can now easily deploy video surveillance as part of their existing network infrastructure investment.

Cisco Rugged Integrated Services Routers

Cisco extends video surveillance to mobile sites and vehicles with the Cisco 3200 Series Rugged Integrated Services Router. This router uses mobile wireless uplinks to connect with other vehicles or sites. With analog or IP cameras installed in public areas or police cars, live video can be streamed from incidents back to command centers in real time. Police personnel can also view relevant video feeds directly from laptops installed in their police cruisers, enabling greater collaboration and more effective response to a given event.

Cisco Physical Access Control

The Cisco Physical Access Control solution is scalable and flexible, able to manage from one to several thousand doors. With this solution, customers can combine modules to customize solutions, and to manage the entire system remotely. In addition, this physical access solution easily integrates with Cisco Video Surveillance Manager and can use IP network services.

Cisco Physical Access Gateway: This intelligent, distributed processing networking edge device is the primary module to connect door hardware, such as locks and readers, to the network. Accessory modules are available to handle additional doors and input/outputs.

Cisco Physical Access Manager: This management application is used to configure hardware, monitor activity, enroll users, and integrate with IT applications and data stores.

Cisco IP Interoperability and Collaboration System

Cisco IP Interoperability and Collaboration System (IPICS) enables interoperability between disparate radio networks and traditional communications networks. By sending radio traffic over an IP network, Cisco IPICS cost-effectively enables public safety personnel to exchange information when they are using incompatible radios. Cisco IPICS allows push-to-talk communications on radio handsets, networks, laptop and PC clients, telephones, and mobile phones, improving response times and resource collaboration.