

Aviation Security



The Challenge

With thousands of travelers, airport employees, and airline employees roaming the large expanses that comprise an airport, real-time monitoring and enforcing compliance with security policies is a constant challenge. Video cameras are increasingly being used to bridge the gap between the lack of on-the-spot staffing and security policy enforcement.

The challenge for airport security personnel is how to manage, and assess issues captured by one or a few relevant cameras out of the hundreds that may be deployed around the entire airport premises, and then alert security and law enforcement personnel when necessary.

Applications



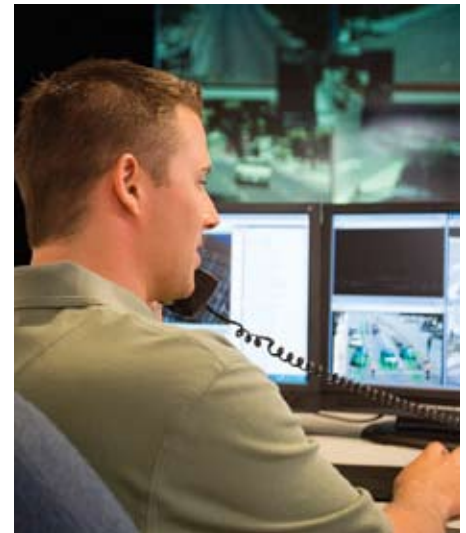
Airport Security Monitoring

The Cisco standards-based solution makes it simple to integrate third-party video analytics applications for tracking objects and people, and for automated monitoring of other behaviors as part of the video monitoring system. Alarms from access control systems can also be synchronized with video to support event-tagged alert monitoring and recording. The Web-based application programming interface, API, allows for customization or integration with other command and control systems. Security checkpoints, operations areas, baggage claim areas, and even the airplane cockpit and cabin can be monitored to identify suspicious persons or activities. In the event of an emergency, live and recorded video can be shared with remote law enforcement and first responders to provide fast and effective incident response.



Infrastructure Protection

Video from all airport facilities, including terminals, towers, flight service stations, offices, radar facilities, and perimeter areas, can be aggregated as part of the Cisco Video Surveillance Manager into a single comprehensive application, allowing greater event correlation and further optimizing security personnel resources. Even multiple airports supported by a single airport authority can be remotely surveyed to ensure that pre-established physical security standards are being observed. Responsiveness increases while reducing security personnel and protecting property and operations against damage, theft, disruption, and terrorism.



Command Center Management

VSM allows command center managers to monitor all airport security and operations. Aircraft maintenance, baggage handling, and passenger screening can be reviewed either locally by supervisors or remotely by headquarters officials. With access to remote video, operations managers can monitor airport personnel and reduce inappropriate maintenance procedures, employee misconduct, and security violations.

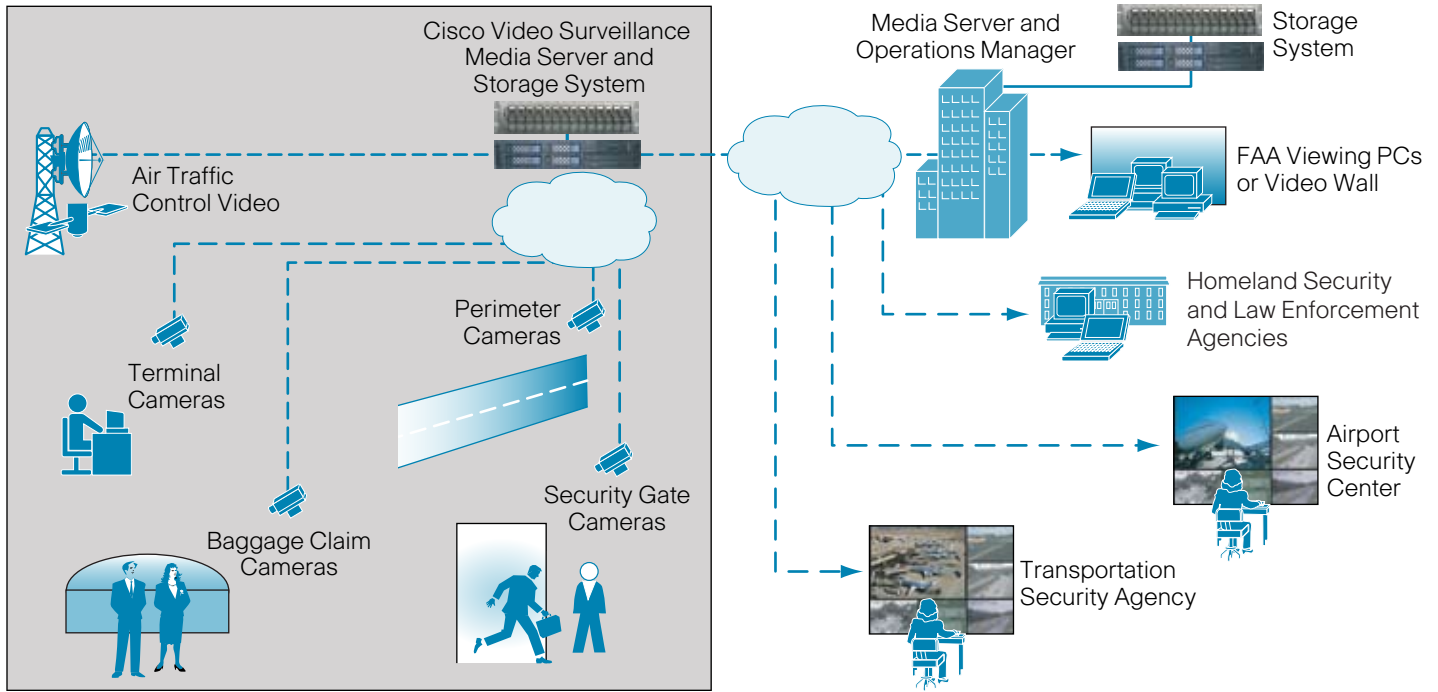
The Solution

A proven solution deployed today in various airports, the Cisco® Video Surveillance Manager (VSM) provides relevant live and archived video from airport cameras to those making immediate decisions in airport security and command centers, mobile security personnel, and law enforcement agencies. Using industry communication standards, the Cisco solution supports the integration with the best in access control and video analytics, focusing security personnel on video associated with intelligent alarms and aberrant behavior. This solution transforms video into a real-time decision making tool that can save time, money, resources, and lives.

Cisco video surveillance solutions cost-effectively work with existing legacy analog camera deployments and flexibly support new IP-based cameras. By using the power of today's IP networks, the VSM enables secure policy-based management, storage, and access to live or recorded airport video anywhere, and at any time. Video can be shared within and between agencies, providing a highly interoperable video communications solution. The result is faster event investigation, response, and resolution—on a real-time and forensics basis.

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Configuration



Features and Benefits

Features	Benefits
Scalable architecture	Scales to thousands of cameras, viewers, and archives
Low latency	Provides real-time viewing and camera control
Industry-standards-based technology and communications protocol support	Enables multivendor interoperability, such as the use of multiple codecs and PTZ camera control
Expandable event interface	Integrates with access control, alarm, and video analytic engines
Flexible archiving options	Archives video at multiple locations, frame rates, and durations
Dynamic file allocation	Optimizes disk usage for storage of large video files
Patented video switching	Controls video outputs for increased video security and faster incident response
Flexible API	Distributes video into existing security applications or custom interfaces
Effective bandwidth management	Restricts bandwidth to complement network capacity

Why Cisco

Cisco technologies and convergence expertise help businesses and organizations improve their return on investment and lower their total cost of ownership. With vast experience in digital video, including video surveillance, Cisco engineers understand how to use the power of an IP network to deliver new, innovative capabilities in a highly scalable and secure manner. 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 transportation, airports, military, education, municipalities, retail, and more, the Cisco Video Surveillance Manager products meets the uncompromising needs of today's safety and security professionals.

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 see: www.cisco.com/go/videosurveillance or Call 1-866-428-9596