

# Cisco Video Surveillance Media Server

## Cisco Video Surveillance Product Portfolio

Cisco® offers network-centric video surveillance software and hardware that supports video transmission, monitoring, recording, and management. Cisco video surveillance solutions work in unison with the advanced features and functions of the IP network infrastructure—switches, routers, and other network security devices—to enable secure, policy-based access to live or recorded video. With support for many third-party video surveillance cameras, encoders, and applications, Cisco video surveillance solutions allows customers to build best-in-class video surveillance systems that optimize cost, performance, and capability.

Cisco video surveillance products are deployed within the Cisco Intelligent Converged Environment architecture. Through this architecture, video can be accessed at any time from any place, enabling real-time incident response, investigation, and resolution. As an extension of the Cisco Self-Defending Network, the Cisco Intelligent Converged Environment enables customers to use existing investments in video surveillance and physical security while enhancing the safety of people and protection of assets. The open, standards-based Cisco infrastructure enables the deployment and control of new security applications and maximizes the value of live and recorded video.

## Problems Solved

- Increases access to video
- Enhances interoperability, moving away from proprietary, single-vendor implementations
- Integrates and synchronizes with other security and business applications
- Realizes greater value of video and investments

## Cisco Video Surveillance Media Server Overview

The Cisco Video Surveillance Media Server is the core component in the Cisco Video Surveillance Manager and performs the following networked video surveillance system functions:

- Collection and routing of video from a wide range of third-party cameras and video encoders over an IP network
- Event-tagging and recording of video for review and archival purposes
- Secure local, remote, and redundant video archive capabilities
- Bandwidth management over LANs and WANs

By using the power and advanced capabilities of today's IP networks, Cisco Video Surveillance Media Server software allows new third-party applications, additional users, cameras, and storage to be added over time. As a result, the Cisco Video Surveillance Media Server software provides unparalleled video surveillance system flexibility and scalability to support:

- Small systems to those with thousands of cameras (video feeds)
- Hundreds of simultaneous users viewing live or recorded video
- Standard video compression algorithms such as MJPEG, MPEG-2, and MPEG-4 simultaneously in a single media server or system
- Conservation of storage using events or loop-based archival options
- Integration with other security and IT applications
- IT-caliber fault-tolerant storage for greater efficiency and easier maintenance



The Cisco Video Surveillance Media Server is complemented by other Cisco Video Surveillance Manager applications that provide video display control and distribution (virtual matrix switching), customizable Web-based user interface for roles based operation and management, system configuration, and options to support storage area networks (SANs) and network- and direct-attached storage (NAS and DAS). Unlike many other video surveillance offerings that use proprietary hardware, the Media Server and other Cisco Video Surveillance software run on Linux-based servers. As a result, your investment can be upgraded to include new features, address your evolving requirements, and support a diverse range of deployment scenarios.

# Cisco Video Surveillance Media Server

## Media Server Features

### Powerful video management:

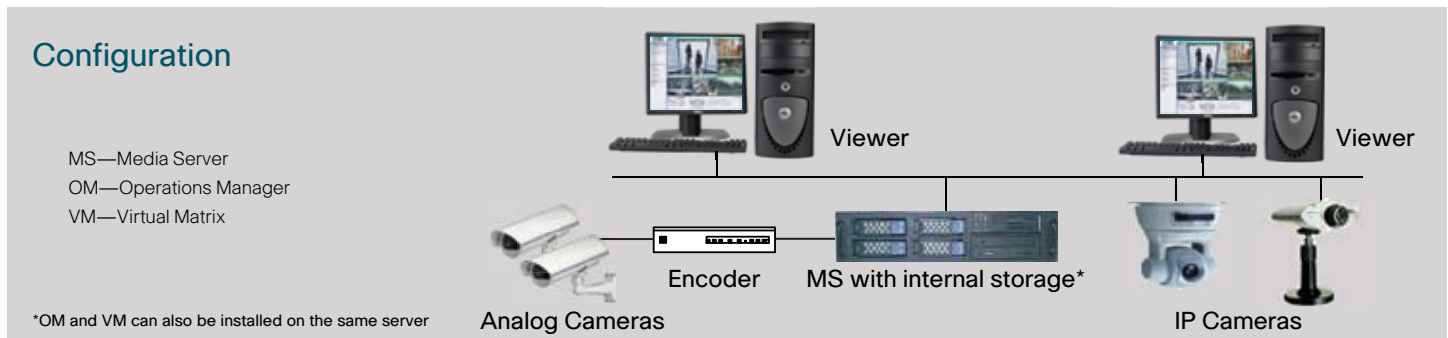
- Standards-based architecture provides the flexibility to use a broad range of cameras, codecs, viewing platforms, and network topologies
- Low-latency video with high-quality images, including megapixel camera video
- Simultaneous support for MJPEG, MPEG-2, and MPEG-4
- Unparalleled scalability in terms of number of sites, cameras, viewers, and storage

### Flexible archiving:

- Archives at different frame rates, durations, and locations
- Efficient redundant multisite archiving for bandwidth conservation
- Loop- and event-based video and audio recording and clipping capabilities

### Sophisticated system tools:

- Enhanced diagnostic tools that provide notification and API support for failure of proxies and archives
- Simplified configuration that allows data to be mass-imported from a spreadsheet
- Support for redundancy configurations, including failover and complex high-availability scenarios
- Backup utility that supports configurations of devices, archives, events, and PTZ for a quick and easy restore to a secondary server
- Minimized load on video servers platforms by streaming only the active video channels
- Integration with 3rd party Electronic Access Control (Lenel)
- Allows existing Media Servers to sync with Operations Manager with a click of a button



### Media Server Minimum Specifications:

- 3.0 GHz Intel Pentium 4
- 1 to 5U rack unit
- 1 GB RAM
- Up to 24 TB internal storage
- Fiber Channel or SCSI external storage options
- 10/100 or Dual Gb Ethernet interface
- SUSE Linux Enterprise Server (SLES) version 9 Service pack 3 or SLES Version 10

### Minimum Client Specifications:

- 3.0 GHz Intel Pentium 4
- 1GB RAM/100 Ethernet adaptor
- Windows XP and Internet Explorer 6 or 7
- DirectX 9.0c
- nVidia or ATI AGP graphics adaptor with 128 MB RAM

## 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](http://www.cisco.com/go/videosurveillance) or Call 1-877-235-5477