

Cisco Video Surveillance Media Server

Product Overview

Cisco® offers network-centric video surveillance software and hardware that supports video transmission, monitoring, recording, and management. Cisco video surveillance solutions work 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 surveillance cameras, encoders, and applications, Cisco video surveillance solutions allow customers to build high-quality video surveillance systems that optimize cost, performance, and capability.

Cisco Video Surveillance Media Server 6.0 is the core component of the Cisco Video Surveillance Manager and performs the following networked video surveillance system functions:

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

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

- Deployments that range from small systems to those with thousands of cameras
- Hundreds of simultaneous users accessing live and recorded video
- Standard video codecs such as Motion JPEG, MPEG-2, MPEG-4, and H.264 simultaneously in a single Media Server
- Conserves storage using events, clipping, record-on-motion, and loop-based archival options
- Integration with other security and IT applications using open, standards-based API and RTP/RTSP streaming
- IT-caliber, fault-tolerant storage for greater efficiency and easier maintenance

Cisco Video Surveillance Media Server is fully compatible with 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). Media Server and other Cisco Video Surveillance software applications 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.

Benefits

Cisco Video Surveillance Media Server provides benefits that include the following:

- Increased access to video
- Enhanced interoperability
- Integration and synchronization with other security and business applications
- Ability to dynamically add cameras and encoders using driver packs
- Easy review of tagged events
- Secure local, remote, and redundant video archive capabilities
- Bandwidth management

Key Video Management Features

- Standards-based architecture, providing the flexibility to use a broad range of devices, resolutions, codecs, viewing platforms, and network topologies
- Plug-and-play support for encoders, DVRs, and cameras (fixed or PTZ)
- Low-latency video with high-quality images, including megapixel resolutions
- Simultaneous support for Motion JPEG, MPEG-2, MPEG-4, and H.264
- Scalability for number of sites, cameras, viewers, and storage
- Flexible Archiving Features
- Archives at different frame rates, durations, and locations
- Efficient redundant multisite archiving for bandwidth conservation
- Loop- and event-based video and audio recording
- Record-on-motion and clipping capabilities

Sophisticated System Tools

- Enhanced diagnostic tools that provide notification and API support for failure of proxies and archives
- Open, published URL-base API that enables mass configuration
- 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 electronic access control systems
- Existing Media Servers can synchronize with Cisco Video Surveillance Operations Manager with a click of a button

System Requirements

Table 1 lists the minimum system requirements for server and client hardware for Media Server.

Table 1. Minimum System Requirements

	Server System	Client System
CPU	3-GHz Intel Pentium 4	3-GHz Intel Pentium 4
RAM	1 GB	1 GB
Hard Drive	200-GB hard drive	–
Network Connection	10/100 Ethernet Interface	10/100 Ethernet adaptor
Video Card	–	nVidia or ATI AGP graphics adaptor with 128 MB RAM
Operating System	SUSE Linux Enterprise Server (SLES) version 9 SP 3 or version 10 SP 1 (recommended)	Windows XP and Internet Explorer 6 or 7
Rack Space	1 to 5 RU	–

Ordering Information

To place an order, visit the [Cisco Ordering Home Page](#). To download software, visit the Cisco Software Center.

Table 2 provides additional ordering information.

Table 2. Ordering Information

Product Name	Part Number
Cisco Video Surveillance Media Server 6.0	CIVS-MS-SW6.0=

Service and Support

Cisco and our certified partners can help you accelerate success and improve the return on your investment in a Cisco Physical Security Solution. The Cisco lifecycle approach to services defines the requisite activities at each phase of the solution lifecycle:

- Reduce deployment costs by identifying the features that will best meet your business requirements
- Accelerate migration by assessing the readiness of your network to support the system and by developing a sound design
- Support smooth implementation through effective planning and expert installation, configuration, and integration
- Increase operational efficiency and extend the value of your investment with award-winning technical support

For more information about Cisco services, visit <http://www.cisco.com/go/services>.

For More Information

For more information about Cisco Video Surveillance Manager, visit <http://www.cisco.com/go/physicalsecurity> or contact your account representative.



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