Cisco Small Business Video Monitoring System for 16 Cameras
Cisco Small Business Video Surveillance Cameras

Monitor, Record, and Play Back Video from Cisco® Small Business Video Surveillance Cameras

Highlights

- Advanced discovery and management of up to 16 Cisco Small Business Video Surveillance cameras
- Multiple viewing formats to match user requirements
- Real-time digital enhancement during playback, allowing adjustment of video visibility, sharpness, brightness, contrast, and grayscale
- Multilanguage user interface for configuration in English, French, German, Italian, Portuguese (standard and Brazilian), and Spanish

Product Overview

Integrate your Cisco Small Business Video Surveillance Cameras into a complete video monitoring solution by using the Video Monitoring System for 16 Cameras (SWVMS16). SWVMS16 provides centralized management of up to 16 cameras with monitoring, recording, and playback capabilities (Figure 1).

SWVMS16 supports nine video viewing formats and simultaneous display of up to 16 cameras. In addition, the system supports multiple recording modes, including continuous, scheduled, manual, and event triggered.

An intuitive user interface allows for quick configuration of the motion detection settings. Ten motion detection windows can be created in the SWVMS16 interface, regardless of the number of motion detection windows natively supported by the camera. Configurable motion detection settings and external input triggers reduce storage needs by recording only video of interest.

With SWVMS16, you can save recordings locally or on accessible network storage devices such as the Cisco Small Business Network Storage Systems (NSS). Recordings are limited only by available disk space. The system also supports two-way audio recordings.

The playback options supported by SWVMS16 include digital zoom, variable forward and backward playback speed (1x, 2x, 4x, 8x, and 16x), and real-time on-the-fly video enhancement (visibility, sharpness, brightness, contrast, and grayscale). SWVMS16 also provides advanced management features such as multiple password-protected user accounts.

Setup is simple, with automatic camera discovery and the ability to copy camera settings from one camera to another. Complete configuration files can also be imported or exported from one computer to another.

Figure 1. Cisco Small Business Video Monitoring System for 16 Cameras

Features

- Allows simultaneous onscreen monitoring, recording, and playback of video from up to 16 Cisco Small Business Video Surveillance Cameras
- Records up to 30 frames per second
- Supports MPEG-4 and MJPEG video compression formats
- Supports unlimited two-way audio (on cameras that support this feature), G.711, and G.726
- Supports nine onscreen viewing formats: 1, 4, 5+1, 9, 12+1, 16+1, 8+2, 12+1, and 16
- Supports four recording modes: continuous, motion, scheduled, manual, and with audio
- Provides a simple user interface with easy-to-use motion detection alerts for playback
- Provides image enhancement capabilities (visibility, sharpness, brightness, contrast, and grayscale)

Specifications

Table 1 contains the specifications and minimum requirements for SWVMS16.

Table 1. Specifications and Minimum Requirements for SWVMS16

Specifications	
Standards	MPEG-4, MJPEG
Standards protocols	TCP/IP, HTTP, User Datagram Protocol (UDP), Real-Time Protocol (RTP)/ Real-Time Streaming Protocol (RTSP)
Configuration	
Save/load	Save/load settings allow for multiple camera sets to be viewed on the same PC
Copy settings	Schedules can be copied from one camera to another
Installation	Automatic camera discovery

Management	
Settings	General, camera, input/output, pan/tilt/zoom (PTZ), account
Logging	System logging
Security	Password-protected user accounts with variable access settings
Backup location	CD-ROM, hard disk, networked drive, Cisco Small Business Network Storage System (NSS)
Divided screen	Up to 16 cameras can be viewed onscreen at once
Viewing formats	Nine on-screen viewing formats (1, 4, 5+1, 9, 12+1, 16+1, 8+2, 12+1, 16)
Language support	English, French, German, Italian, Portuguese (standard and Brazilian), Spanish
Onscreen status	Free hard disk space report
Video	
Video format	Audio Video Interleave (AVI), Advanced Systems Format (ASF)
Export video	Save video in standard format
Compression	MPEG-4, MJPEG
Recording frame rate	Up to 30 frames per second
Audio	Unlimited 2-way audio (on cameras that support this feature), G.711, and G.726
Analytics	General motion
Backup database	Video database can be backed up by user-selectable time windows for playback on any SWVMS16 system
Recording modes	Continuous, motion, scheduled, manual, with audio
Playback speeds	Forward and backward speeds variable in 1x, 2x, 4x, 8x, and 16x
Digital zoom	4x digital zoom on playback
Playback timeline	View recording activity in a simple-to-understand timeline; magnify timeline as needed
PTZ camera control	Supports PTZ camera control, including auto-patrol of preset locations (on cameras that include this feature)
Schedule recordings	Customize camera recording schedules; two modes of customization (week and day)
Video enhancement	Each view can be digitally enhanced on the fly during playback (visibility, sharpness, brightness, contrast, grayscale)
Pictures	
Format	BMP, JPG
Printing	Print images directly from the playback interface
Minimum Requirements for 16-Camera Viewing	
CPU	Intel Pentium D 930 or higher
RAM	1 GB
Motherboard	Intel 945 or 965 chip or above, Intel chipset recommended
Video card	ATI Radeon 9200, NVIDIA GeForce FX-5200, Intel 945G/965G, or above (ATI is recommended)
Ethernet	100BASE-T or above, Gigabit LAN recommended
Hard disk	80 GB or larger
Operating system	Microsoft Windows XP Pro SP2 (32-bit & 64-bit) or Microsoft Vista (32-bit & 64-bit)
Minimum Requirements for 8-Camera Viewing	
CPU	Intel Pentium 4 (2.8 GHz)
RAM	512 MB
Motherboard	Intel 945 or 965 chip or above, Intel chipset recommended
Video card	ATI Radeon 9200, NVIDIA GeForce FX-5200, Intel 945G/965G, or above (ATI is recommended)
Ethernet	100BASE-T or above, Gigabit LAN recommended
Hard disk	80 GB or larger
Operating system	Microsoft Windows XP Pro SP2 (32-bit & 64-bit) or Microsoft Vista (32-bit & 64-bit)

Minimum Requirements for 4-Camera Viewing	
CPU	Intel Pentium 4 (2.4 GHz)
RAM	512 MB
Motherboard	Intel 945 or 965 chip or above, Intel chipset recommended
Video card	ATI Radeon 9200, NVIDIA GeForce FX-5200, Intel 945G/965G, or above (ATI is recommended)
Ethernet	100BASE-T or above, Gigabit LAN recommended
Hard disk	80 GB or larger
Operating system	Microsoft Windows XP Pro SP2 (32-bit & 64-bit) or Microsoft Vista (32-bit & 64-bit)
Ships With	
IP Surveillance Cameras	PVC300, WVC2300, PVC2300, WVC210
Product Warranty	
3-year limited hardware warranty with return to factory replacement and 90-day limited software warranty.	

Cisco Limited Warranty for Cisco Small Business Series Products

This Cisco Small Business product comes with a 3-year limited hardware warranty with return to factory replacement and a 90-day limited software warranty. In addition, Cisco offers software application updates for bug fixes and telephone technical support at no charge for the first 12 months following the date of purchase. To download software updates, go to: http://www.cisco.com/go/smallbiz.

Product warranty terms and other information applicable to Cisco products are available at http://www.cisco.com/go/warranty.

For More Information

For more information on Cisco Small Business Video Surveillance Cameras, visit: http://www.cisco.com/go/surveillance.

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