Cisco Video Surveillance Services Platform with Fibre Channel Connections

Product Overview

The Cisco® Video Surveillance Services Platform with Fibre Channel Connections offers organizations an innovative choice for network digital video recording and playback in deployments that require storing storage of large amounts of video data. This device provides Fibre Channel connections to external storage arrays, allowing you to store a virtually unlimited amount of video data and to view recorded video streams any time, anywhere, from any device.

Fully integrated with Cisco Video Surveillance Stream Manager Software and providing high-quality MPEG-4 encoding, the Services Platform with Fibre Channel Connections offers a wide array of features in a single component that is easy to use and deploy. It provides a robust, scalable, and flexible way to replace traditional analog or digital video recorders in a variety of video surveillance deployments. Figure 1 shows the Cisco Video Surveillance Services Platform with Fibre Channel Connections.

Figure 1.   Figure 1 Cisco Video Surveillance Services Platform with Fibre Channel Connections

Applications

With flexible deployment options and configuration capabilities, the Cisco Video Surveillance Services Platform with Fibre Channel Connections is an important component of a video surveillance solution for a wide range of deployments. This small but powerful device enables storage of large amounts of high-quality video data, and is ideal for organizations such as gaming, enterprise, and retail that have the following storage requirements:

- Large amounts of high-quality video images
- Large amounts of video data in third-party data center disk arrays

Features

Primary features and benefits of the Cisco Video Surveillance Services Platform with Fibre Channel Connections include:

- Fibre Channel ports (2 Gbps) for output of video streams to external storage arrays
- Linux operating system support
- Includes Cisco Video Surveillance Stream Manager Server Software
- 19-in. rack mountable

- Small (1-RU) form factor

- Inputs from remote networked Cisco Video Surveillance IP Gateway Encoders

- Inputs from supported IP cameras

- MPEG-4 encoding

- Simultaneous video recording and playback

- Multiple simultaneous playback sessions

- Video export to external media, such as CD
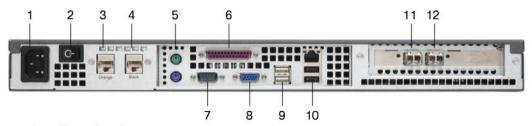
- Time, date, and event searches

Product Architecture

The Cisco Video Surveillance Services Platform with Fibre Channel Connections is designed for video surveillance deployments that implement standards-based external storage arrays with Fibre Channel Connections. Figure 2 shows an example of this device in such a deployment.

Figure 2. Cisco Video Surveillance Services Platform with Fibre Channel Connections in a Video Surveillance Deployment

Figure 3 shows the rear panel of the Cisco Video Surveillance Services Platform with SCSI.

Figure 3. Cisco Video Surveillance Services Platform with Fibre Channel Connections (Rear Panel)

1. Power input
2. Power switch
3. Orange port for matrix switch support
4. Black port for video keyboard support
5. Mouse and computer keyboard connectors
6. Parallel port for connecting a printer
7. Serial port for Timemaster and failover support
8. VGA port for connecting a video monitor
9. USB ports (2) for Video Convergence Chassis support
10. USB ports (2) for Video Convergence Chassis support and Ethernet port
11. Fibre Channel port 1 (LC) for mass storage device support
12. Fibre Channel port 2 (LC) for mass storage device support

Product Specifications

Table 1 provides video performance specifications for the Cisco Video Surveillance Services Platform with Fibre Channel Connections.

Table 1.   Video Performance

Feature	Description		
Input	IP (64 kbps, 8 Mbps per channel)		
Output	IP (64 kbps, 8 Mbps per channel)		
Compression	• MPEG-4 • ISO/IEC 14496-2-1999 (Simple Profile)		
Resolution		NTSC	PAL
	D1	720 x 480	720 x 572
	4CIF	704 x 480	704 x 572
	2CIF	704 x 240	704 x 288
	CIF	352 x 240	352 x 288
Frame Rate	Up to 30 fps (NTSC), up to 25 fps (PAL)		

Table 2 provides mechanical and environmental specifications for the Cisco Video Surveillance Services Platform with Fibre Channel Connections.

Table 2.   Mechanical and Environmental Specifications

Feature	Description
Rack Unit (RU)	1 RU
Video Storage	External
Hard Disks	Two 80-GB hard disks for operating system and applications only
Connectivity	• Two Fibre Channel ports (2 Gbps per channel, full-duplex) for mass storage devices • One Ethernet port, 10/100BASE-T for network connectivity • Three serial ports (2 RJ-45 ports for video keyboards, 1 DB9 port) • Four USB ports for Video Convergence Chassis
Dimensions (H x W x D)	• 1.25 x 22.5 x 17.0 in. • 4.4 x 57.2 x 43.2 cm
Weight	• 20 lbs • 9.1 kg

Power Supply	115/230 VAC, auto-switching (appropriate cable provided)
Power Consumption	300W
Heat Dissipated	1357 BTU
Indicators	Network activity, Fibre Channel link and activity
Operating Temperature	• 32–104°F • 0–40°C

Ordering Information

Table 3 provides ordering information for the Cisco Video Surveillance Services Platform with Fibre Channel Connections. To place an order, visit the Cisco Ordering Home Page.

Table 3.   Ordering Information

Product	Part Number
Cisco Video Surveillance Services Platform with Fibre Channel Connections for external storage (includes two 5-meter LC/LC fiber-optic cables)	CIVS-SP1R-2FBCH

Service and Support

Using the Cisco Lifecycle Services approach, Cisco and its partners provide a broad portfolio of end-to-end services and support that can help increase the network's business value and return on investment. This approach defines the minimum set of activities needed, by technology and by network complexity, to help successfully deploy and operate Cisco technologies and optimize their performance throughout the lifecycle of the network.

For More Information

For more information about the Cisco Video Surveillance Services Platform with Fibre Channel Connections, visit http://www.cisco.com/en/US/products/ps6939/tsd_products_support_series_home.html, contact your local account representative, or send e-mail to pss_physec@cisco.com.