

Cisco Video Surveillance Convergence Chassis

Cisco Systems® offers network-centric video surveillance software and hardware that supports video transmission, monitoring, recording, and management. These products protect customers' existing investments in analog equipment, while enabling these devices to operate as part of an IP-based network-centric deployment. Cisco® video surveillance products enable any-to-any multivendor device interoperability, allowing customers to build best-in-class video surveillance systems that optimize price, performance, and capability.

The Cisco Video Surveillance Convergence Chassis consolidates many physical security functions in to a single, highly flexible and manageable rack-mountable platform supporting a wide range of modular capabilities ranging from video and audio encoding and decoding to alarm contact closure aggregation, and IP / Ethernet network switching. It features a robust 3-RU rack-mountable chassis design capable of supporting extended temperature ranges. With several possible mounting bracket configurations it retains an easily accessible ground lug and rear-panel power switch for quick maintenance and deployment.

With a total of 16 modular slots, the Cisco Video Surveillance Convergence Chassis supports an entire range of Cisco IP Gateway modules, with up to 64 encoder ports in a single chassis, today. A choice of high performance, multi-port Fast Ethernet and Universal Serial Bus (USB) output ports provides network connectivity and flexible compatibility with direct-attach Cisco Video Surveillance Services Platforms. The convergence chassis' backplane, which interconnects all Cisco Video Surveillance IP Gateway plug-in modules and the power supply, is field-replaceable and upgradable.

Power supply options include an external power supply chassis capable of powering up to four convergence chassis while enabling maximum module density. Internal 115V/230V two-slot power supplies can be integrated in to the chassis for a single chassis solution. Unique current sensing circuitry built into the power supply constantly monitors the supplied current and automatically interrupts power in an over-current situation. Fuses and temperature-sensing circuits are present for additional layers of protection. Further, automatic current limiting is present on each Cisco Video Surveillance IP Gateway, providing shutdown in the event an individual module has a problem. These automatic current limiting features are self-resetting; if the fault is temporary or intermittent, the entire chassis can automatically return to normal operation.

Cisco Video Surveillance Convergence Chassis with Fast Ethernet

The Cisco Video Surveillance Convergence Chassis with Fast Ethernet ports is the entry-level convergence chassis for direct network connected deployments. With fourteen integrated 100 Mbps (Fast Ethernet) switch ports, this chassis can support a large number of video streams. Featuring back-side RJ-45 ports, the chassis allows connected Cisco Video Surveillance IP Gateways plug-in modules to be inserted or removed from the chassis without the need to disconnect the network cable.

Cisco Video Surveillance Convergence Chassis with USB Ports

The Cisco Video Surveillance Convergence Chassis with four integrated USB 2.0 hub ports provides a quick and easy way to connect to Cisco's video surveillance recording platforms. Up to sixteen 4-channel MPEG-4 Cisco Video Surveillance IP Gateway encoder modules can be placed in the chassis, providing 64 video inputs. The resultant MPEG-4 digital video outputs are connected by four USB-2 buses, making the chassis an ideal drop-in replacement for existing digital multiplexer recorder and providing exceptional price/performance ratio, modularity, and reliability.

Features

- Compact 3-RU design:
 - Multi-port Fast Ethernet offers a low-cost entry point for consolidated IP Gateway aggregation and switched network connectivity
 - USB port options allow up to 64 MPEG4 IP Gateway Encoders to be directly connected to Cisco Video Surveillance Services Platforms for a high density video stream recording solution.
- Internal, external, and redundant power supply options
- Over-current sensing and control circuitry standard
- Plug-in modules individually protected
- Backplane is field-upgradable for easy maintenance and flexibility

Product Specifications

Table 1. Product Specifications

Feature	Description
Cisco Video Surveillance Convergence Chassis Power Supplies	<ul style="list-style-type: none"> • Input voltage: CIVS-CVG16-FE-WLD (RJ): 115/230 VAC • Output voltage (Cisco Video Surveillance Convergence Chassis power supply to backplane): 20 VAC @ 4A, 80W @ 60°C, and 70W @ 74°C
Protection	<ul style="list-style-type: none"> • AC input: 1A "slow-blow" fuse • AC output: Over-current/over-temperature protection relay • Plug-in modules: Automatic reset table polymer fuses • Circuit boards: Meet Integrated Printed Circuit (IPC) standards IPC-A-600G (Acceptability of Printed Boards) and IPC-A-610D (Acceptability of Electronic Assemblies). • AC line cord: Detachable, International Electrotechnical Commission (IEC) connectorized • Size (L x W x H) • Chassis: 19.0 x 7.0 x 5.25 in. (48.3 x 17.8 x 13.3 cm) • Shipping weight: Less than 5 lb (2.15 kg) • Power: IEC (male) • Certifications and compliance: UL/ULC and UL60950-1

Feature	Description
Cisco Video Surveillance Redundant Power Supply Chassis	<ul style="list-style-type: none"> • Input voltage: 90 to 264 VAC • Frequency: 47 to 440 HZ • Inrush current: 40A peak typical @ 25°C • Output voltage: 12 VDC, +/- 5% Output current: 29.2A (per module) Overall regulation: <3% • Ripple: 1% protection • Overcurrent: >115% of rated output current Reverse voltage: 110% of rated output current Redundancy: N + 1 • Size (L x W x H) • Chassis: 19.0 x 13.0 x 1.75 in. (48.3 x 33.0 x 4.4 cm); 1-RU • Module: 10.5 x 4.3 x 1.6 in. (26.7 x 10.9 x 4.1 cm) • Shipping weight: <5 lb (2.15 kg) • Chassis: 8.6 lb (3.9 kg) • Power supply module: 3.2 lb (1.5 kg)
Environmental	<ul style="list-style-type: none"> • Operating temperature: -10 to 50°C, ambient • Storage temperature: -40 to 85°C, ambient • Relative humidity: 0 to 95% (noncondensing) • Certifications and compliance <ul style="list-style-type: none"> ◦ UL UL60950-1 ◦ CSA C22.2 60950-1-03 ◦ CE Mark (LVD)

Table 2 lists ordering information for Cisco Video Surveillance Convergence Chassis.

Table 2. Ordering Information

Product Name	Part Number
Cisco Video Surveillance Convergence Chassis; 16-Slot, Fast Ethernet, no Power	CIVS-CVG16-FE-0
Cisco VS FE Chassis 3RU, 16 Slots, Internal Dual Voltage Power	CIVS-CVG16-FE-WLD
Cisco Video Surveillance Convergence Chassis; 16-Slot, USB, no Power	CIVS-CVG16-USB-0
Cisco VS 350W Power Supply for EXTPWR-CHS	CIVS-EXTPS-350=
Cisco VS External Power Supply Chassis	CIVS-EXTPWR-CHS
19-in. 1-RU Rack Spacer for Cisco Video Surveillance Convergence Chassis	CIVS-1RU-SPACER
1-Slot Blank Panel for Cisco Video Surveillance Convergence Chassis; Spare	CIVS-CVG16-1BLANK=
2-Slot Blank Panel for Cisco Video Surveillance Convergence Chassis; Spare	CIVS-CVG16-2BLANK=

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

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For More Information

For more information on Cisco video surveillance products, visit <http://www.cisco.com/go/videosurveillance>.



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