

# Cisco Video Surveillance 4-Port Encoder

## Product Overview

Cisco® Video Surveillance Encoders are standalone devices that can be used to convert analog video sources into digital formats so they can be integrated into a networked, IP-based video surveillance system. The 4-port model (CIVS-SENC-4P) supports four analog video inputs and can be stacked, wall mounted, or rack-mounted. A power supply is included.

**Figure 1.** Cisco Video Surveillance 4-Port Encoder



## Protocols Supported

The 4-port encoder supports two simultaneous video streams. The streams can be compressed in H.264, MPEG-4, or MJPEG formats and in various resolution, frame-rate, and bit-rate combinations.

## PTZ Interface

The encoder provides an RS-485 interface to allow for connection to PTZ control units supporting the Pelco-D protocol, in order to control PTZ functions in an external camera or PTZ mount.

## Digital Inputs/ Outputs

The encoder has four digital outputs and four digital inputs to connect to and from external sensors.

## Web Interface

The encoders supports Internet Explorer® 8.0 for remote setup and administration.

## Video Management

The encoder connects to Cisco Video Surveillance Manager Version 6.3.2 and later.

## Product Specifications

### Features and Benefits

Features include the following:

- Up to D1 resolution per port
- Up to 30 frames per second (FPS) at D1 resolution (180 FPS maximum across all ports/channels)
- H.264, MPEG-4, and MJPEG compression options
- Up to two simultaneous video streams per port
- Up to five privacy mask windows per port
- Up to three motion detection windows per port

Table 1 lists product specifications for the Cisco Video Surveillance 4-Port Encoder.

**Table 1.** Product Specifications

General	
Analog Video Input Ports	4
Digital Alarm Inputs	4
Digital Alarm Outputs	4 (maximum voltage 12V; maximum sync 100mA)
Security	Password-protected administrative interface; HTTPS access to the administrative interface
Certifications/Ratings/Patents	CE, FCC Class B, C-Tick UL/cUL listed
Electrical	
Port	RJ-45 connector for 100/1000 BASE-TX Auto MDI/MDI-X
Cable Type	Cat5 or better
Power Input	12 VDC/24 VAC (power supply included)
Power Consumption	24W (max)
Environmental	
Operational Temperature	50° to 122°F (10° to 50°C)
Operational Humidity	20% to 80%, noncondensing
Physical	
Dimensions (LxWxH)	189 x 153 x 49.3 mm
Weight	800g
Video and Audio	
Video Encoding	H.264, MPEG-4, and MJPEG (for both PAL and NTSC)
Video Streams	Up to two simultaneous streams; the second stream is variable based on the setup of the primary stream
Audio In	RCA connector G.711 audio encoding (64 Kbps) μ-Law or A-Law mode selectable Audio input (up to 1V RMS), line-in Supports two-way audio (per channel) Supports audio mute
Audio Out	Terminal block x 4 Supports two-way audio (per channel) Mono output
PTZ Serial Interface	RS-485 Half-Duplex, supporting Pelco-D protocol

## Available Resolutions

The following are the definitions of resolutions used in the table.

- **D1:** 720 x 480 (NTSC), 720 x 576 (PAL)
- **4CIF:** 704 x 480 (NTSC), 704 x 576 (PAL)
- **CIF:** 352 x 240 (NTSC), 352 x 288 (PAL)

Table 2 lists the supported primary and secondary video stream combinations on the Cisco Video Surveillance 4 Port Encoder.

**Table 2.** Supported Primary and Secondary Video Stream Combinations

Dual streams supported on channels 1-4	Primary stream maximum resolution	Primary maximum frame rate (fps), bit rate (Kbps), or quality/intra-frame period (S)	Secondary stream maximum resolution	Secondary maximum frame rate (fps), bit rate (Kbps,) or quality/ intra-frame period (S)
H.264 + H.264	D1	30 fps 2000 Kbps 1S	D1	15 fps 2000 Kbps 1S
H.264 + MPEG 4	D1	30 fps 2000 Kbps 1S	D1	3 fps 2000 Kbps 1S
H.264 + MJPEG	D1	30 fps 2000 Kbps 1S	D1	30 fps Good –
MPEG-4 + MJPEG	D1	20 fps Good 1S	D1	30 fps – Good
MPEG-4 + MPEG-4	D1	15 fps 2000 Kbps 1S	D1	5 fps 2000Kbps 1S
MJPEG + MJPEG	D1	30 fps Good –	D1	25 fps Good –

Table 3 shows the minimum PC client requirements.

**Table 3.** Minimum PC Client Requirements

<b>Processor</b>	Intel® Core® 2 Duo microprocessor, 2.6 GHz
<b>Operating System</b>	Microsoft® Windows® 7
<b>Memory</b>	2 GB RAM
<b>Network Interface Card</b>	100 megabits (or greater)
<b>Monitor</b>	Minimum of 1024 x 768 resolution, 16- or 32-bit pixel color resolution
<b>Browser</b>	Internet Explorer® 8.0, QuickTime 6.5 and later

## Warranty Information

Find warranty information on Cisco.com at the [Product Warranties](#) page.

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## Ordering Information

### Availability

The Cisco Video Surveillance 4-Port Encoder is available through Cisco Advanced Technology Provider (ATP) program partners. Table 4 lists ordering information.

**Table 4.** Ordering Information

Product Name	Part Number
Cisco Video Surveillance 4-Port Encoder (standalone)	CIVS-SENC-4P

## Cisco Services

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## For More Information

For more information about the Cisco Video Surveillance Encoder products, visit <http://www.cisco.com> or contact your local account representative.



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