

## Cisco Video Surveillance Video Encoder Card

The Cisco® Video Surveillance Video Encoder Card enables you to use existing analog surveillance equipment to rapidly deploy an IP-enabled video surveillance solution while transitioning to IP cameras. The card can produce D1-resolution, full frame rate video on all analog channels, and is available in 16-port and 8-port configurations.

### Product Overview

The Cisco Video Surveillance Encoder Card is a component of the Cisco Video Surveillance Manager product line, which is designed for flexible deployments based on individual customer needs such as bandwidth availability, storage density, and usage patterns. The Encoder Card is designed to be deployed in the Cisco Physical Security Multiservices Platform (MSP) for Physical Security (MSP) as an add-on option, providing the following capabilities:

- **High-density analog video encoding:** Up to 16 ports in a single card
- **High-quality standard-definition video:**
  - Common Intermediate Format (CIF) to D1
  - Full frame rate per port at maximum resolution
- **Remote camera control:** MSP provides an RS-232 daisy chain for serial pan-tilt-zoom (PTZ) control of up to 32 traditional cameras
- **Flexible codec selection:** Motion JPEG and H.264
- **Embedded motion detection**
- **Installation options:**
  - 8-port or 16-port cards
  - Compact cable option for mounting adjacent to the back of an MSP server
  - 32-port BNC connector panel
- **Mix-and-match IP cameras with analog cameras:** Operates with IP cameras on the same MSP server, general performance restrictions must be considered

**Table 1.** Technical Specifications

Features	Description
<b>Server platforms</b>	Factory-installed in the following servers: <ul style="list-style-type: none"> <li>• 1-RU Multiservices Platform for Physical Security with single card</li> <li>• 2-RU Multiservices Platform for Physical Security for up to three cards</li> </ul>
<b>Minimum Video Surveillance Manager Software compatibility</b>	<ul style="list-style-type: none"> <li>• Video Surveillance Manager (VSM) software version 6.3.1 or later</li> <li>• Video Surveillance Media Server must be installed on the server</li> <li>• All other VSM software applications may be installed on the server</li> </ul>
<b>Video codec options</b>	<ul style="list-style-type: none"> <li>• Primary streams with Motion JPEG compression support up to 15 fps @ D1 resolution</li> <li>• Secondary streams with Motion JPEG compression support up to 10 fps @ 2CIF</li> <li>• Primary streams with H.264 compression support up to 30 fps @ D1 resolution</li> <li>• Secondary streams with H.264 compression support up to 15 fps @ 2CIF resolution</li> </ul>
<b>Video motion detection</b>	<ul style="list-style-type: none"> <li>• Up to four motion detection windows can be configured for each primary video stream</li> </ul>
<b>Physical characteristics</b>	<ul style="list-style-type: none"> <li>• Dimensions (H x W x D): 0.84 x 3.87 x 12.28 in.               <ul style="list-style-type: none"> <li>◦ Full-height, three-quarter length PCI-e form-factor</li> </ul> </li> <li>• Weight: 1.5 lb maximum</li> </ul>

Features	Description
Operating temperature	50° to 95°F (10° to 35°C)
Non-operating temperature	–40° to 158°F (–40° to 70°C)
Operating relative humidity	8% to 90% (non-condensing)
Non-operating relative humidity	5% to 95% (non-condensing)
Power requirements	12 VDC +/- 20%, 24W typical, 29W maximum
Other environmental considerations	Required air flow: 140 FLM
Connector	Single DB-37 plugs into cable (CIVS-CAB-16V)

## Ordering Information

**Table 2.** Part Numbers for Cisco Encoder Cards and Related Items

Product Part Number	Description
CIVS-ENC-8P	8-port encoder card; 8xD1 at full frame rate with JPEG and H.264
CIVS-ENC-16P	16-port encoder card; 16xD1 at full frame rate with JPEG and H.264
CIVS-CAB-16V	Up to 16-port compact cable (3/4 meter) from encoder card to BNC connector panel; for mounting adjacent to the back of MSP server
CIVS-PAN-32BNC	32-port BNC connector panel; supports up to two cards; connects to either 8- or 16-port encoder card using 16-port cable
CPS-MSP-1RU-K9	1-RU MSP server chassis with motherboard, one CPU, and one built-in 300W power supply (encoder card is an add-on option)
CPS-MSP-2RU-K9	2-RU MSP server chassis with motherboard, one CPU, and one 900W power supply (encoder card is an add-on option)
CPS-VSM-SW6.3	Video Surveillance Manager version 6.3 software manufacturing image
CIVS-MS-SW6.3	Video Surveillance Media Server version 6.3 Software License
CIVS-OM-SW6.3	Video Surveillance Operations Manager version 6.3 Software License
CIVS-VM-SW6.3	Video Surveillance Virtual Matrix version 6.3 Software License
CIVS-MS-CPSD-1SCL	1 Qty, Cisco Device Stream Connect Software Feature License for Media Server, required per input stream

**Note:** All MSP servers are assemble-to-order and do not allow field upgrades for hard-disk drives, Fibre Channel cards, and video encoder cards.

## Availability

Cisco Physical Security Multiservices Platforms and Cisco Video Surveillance Video Encoder Card add-on options are available through Cisco Authorized Technology Provider Partners.

## 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 superior technical support

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

## For More Information

For more information about the Cisco Video Encoder Card, contact your local account representative or visit:

<http://www.cisco.com/go/physec>.



Americas Headquarters  
Cisco Systems, Inc.  
San Jose, CA

Asia Pacific Headquarters  
Cisco Systems (USA) Pte. Ltd.  
Singapore

Europe Headquarters  
Cisco Systems International BV  
Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco trademarks can be found at [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (100216)