

Cisco Video Surveillance 8000P IP Camera

Product overview

The Cisco® Video Surveillance 8000P IP Camera is a high-definition, full-functioned video endpoint with industry-leading image quality and processing power. The camera is capable of full 2560 x 1920 (5 MP) resolution and up to 60 Frames Per Second (fps) performance while optimizing network usage with either H.265, H.264, or MJPEG compression. H.265 compression with Smart Stream II provides more efficient image compression rates in comparison with H.264 encoding, by as much as 80 percent in some cases. Contact closures allow integration with access control systems. With its open, standards-based design, the camera shown in Figure 1 provides an ideal platform for integration and operation as an independent device or as part of a Cisco Video Surveillance network.

Figure 1. Cisco Video Surveillance 8000P IP Camera



The Cisco Video Surveillance 8000P IP Camera offers a variety of benefits, including:

- **True high-definition video:** The camera streams crisp and clear 2560 x 1920 (5 megapixel) video at 30 fps while maintaining low network bandwidth.
- **Quad streaming:** The camera can stream H.265, H.264, and MJPEG video simultaneously. Each video stream can be configured with individual resolution, quality, and frame-rate settings.
- **Remote focus:** The lens on the 8000 IP Camera allows the focus to be controlled remotely, greatly simplifying installations and field of view adjustments.
- **Day/night operation:** The camera provides true day/night functionality and includes an infrared filter that automatically switches to night mode in low-light scenes. This function can be set to manual, automatic, or scheduled control.
- **Privacy regions:** The camera supports up to five user-defined privacy regions. Any video within a privacy region is masked in the video stream.
- **Local storage:** Video data can automatically be recorded to an SD card when the camera loses network connectivity.
- **Bidirectional audio:** The camera supports full-duplex audio and options for half-duplex operation.

- **Open API:** Support for ONVIF Profile G and S allows for standards-based interoperability and communications with other ONVIF appliances.
- **Flexible power options:** The camera supports Power over Ethernet (PoE) 802.3af, 12 VDC, or 24 VAC power through an optional external power supply.

Features

Table 1 describes the features of the Cisco Video Surveillance 8000P IP Camera.

Table 1. Cisco Video Surveillance 8000P IP Camera features

Item	Specification
Imaging device	1/1.8" progressive CMOS (Sony IMX178)
Image control	Time stamp, text overlay, flip and mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, scheduled profile settings, 3DNR, video rotation, defog, EIS
Wide dynamic range	100 dB
Minimum illumination	<ul style="list-style-type: none"> • Color mode: 0.07 lux @ F1.6 • Black and white mode: 0.001 lux @ F1.6
Lens selection and mount	DC-Iris lens (see below for lens options). CS mount
Field of view	45° ~ 100° (horizontal) 33° ~ 74° (vertical) 56° ~ 126° (diagonal)
Shutter speed	1/5 to 1/32,000 sec
Video compression	H.265, H.264, and MJPEG
Audio compression	G.711 A-Law, G.711 U-Law, G.726
Maximum resolution and frame rate (H.265/H.264)	2560x1920 @ 30 fps and 1920x1080 @ 60 fps
Maximum resolution and frame rate (MJPEG)	2560x1920 @ 12 fps and 1920x1080 @ 30 fps
Maximum streams*	4 simultaneous streams on the camera
Video streaming	H.265, H.264, or MJPEG
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP
Quality of Service (QoS)	Differentiated-Services-Code-Point (DSCP) marking and Class-of-Service (CoS) marking
Power	12 VDC or 24 VAC through optional external power supply PoE (802.3af Class 0)
Power consumption (max)	9.7W

* Not supported when the camera is used with Cisco Video Surveillance Manager.

Connectors

Table 2 describes the connectivity and connectors of the Cisco Video Surveillance 8000P IP Camera.

Table 2. Cisco Video Surveillance 8000P IP Camera connectors

Item	Specification
Network connectivity	100 BASE-TX Ethernet with RJ-45 connector
Serial port	RS-485
Alarm input	Three logic level programmable
Alarm output	One logic level programmable
Storage	MicroSD card slot

Item	Specification
Audio	<ul style="list-style-type: none"> External microphone input and audio output Two-way audio (full duplex)
Power input	Terminal block (24 VAC) or 12V DC

Software

Table 3 describes the primary features of the Cisco Video Surveillance 8000P IP Camera software.

Table 3. Cisco Video Surveillance 8000P IP Camera primary software features

Item	Specification
Activity detection	User-definable alerts with configurable sensitivities and thresholds, email alert, and HTTP notifications
Selectable bit rate	Support for constant bit rate or variable bit rate
IP filtering	Users can enter a list of allowed or blocked IP addresses for viewing video and configuring camera settings
Configuration	<ul style="list-style-type: none"> Browser-based using Internet Explorer 8.0 or later Two levels of user access with password protection
Security	Support for IEEE 802.1X authentication

Specifications

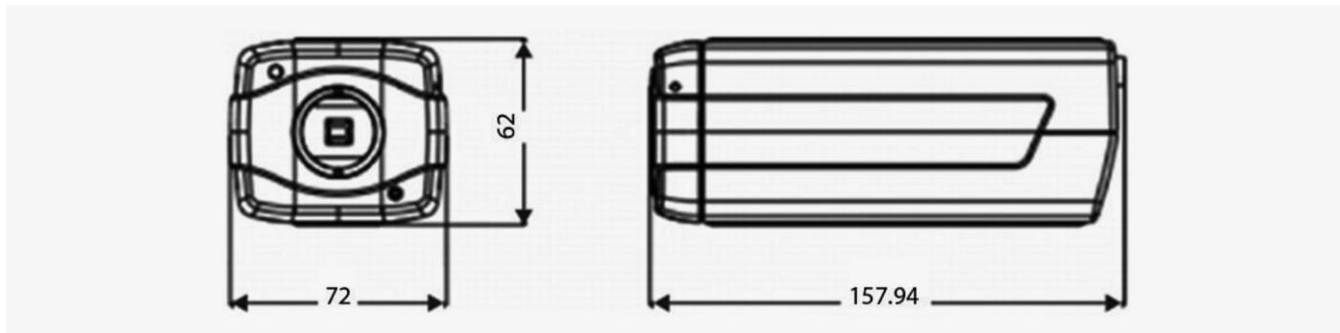
Table 4 provides mechanical specifications of the Cisco Video Surveillance 8000P IP Camera.

Table 4. Cisco Video Surveillance 8000P IP Camera mechanical specifications

Item	Specification
Housing	Aluminum
LEDs	Power, Ethernet link, and activity
Dimensions (L x W x H)	Depth: 8.3 in. (210 mm) Width: 2.8 in. (70 mm) Height: 2.5 in. (63 mm)
Weight	766 g
Certifications	<p>Safety:</p> <ul style="list-style-type: none"> EN/IEC 60950-1 UL 60950-1 CAN/CSA C22.2 No. 60950-1-07 <p>EMC requirements:</p> <ul style="list-style-type: none"> 47 CFR FCC Part 15, Subpart B, Class B ICES-003:2016 Issue 6, Class B ANSI C63.4:2014 V-3/2016.11, Class B V-4/2012.04 EN55032, Class B AS/NZS CISPR 32 Class B CISPR 32 EN 55024 EN 50130-4
Operating temperature and humidity	14 to 122°F (-10 to 50°C), 90% RH

Figure 2 shows the dimensions of the Cisco Video Surveillance 8000P IP Camera. All dimensions are in millimeters.

Figure 2. Cisco Video Surveillance 8000P IP Camera dimensions



Package contents

Table 5 describes the items that ship with the Cisco Video Surveillance 8000P IP Camera.

Table 5. Package contents

Item
Cisco Video Surveillance 8000P IP Camera
Cisco documentation reference card and regulatory documentation

Availability

The Cisco Video Surveillance 8000P IP Camera is available through Cisco partners.

Ordering information

Table 6 lists the part numbers for the Cisco Video Surveillance 8000P IP Camera and for the lenses that the camera supports.

Table 6. Ordering information

Part Number	Description
CIVS-IPC-8000P	<ul style="list-style-type: none"> HD Box IP Camera, 1080P
Lenses	
CIVS-IPCA-VCM4.1-9	<ul style="list-style-type: none"> Vari-Focal DC- Iris Lens, 4.1 - 9 mm

Using the Camera with Cisco Video Surveillance Manager

Features that are marked with an asterisk (*) are not supported when using the camera with Cisco Video Surveillance Manager. Refer to the release notes for Cisco Video Surveillance Manager 7.X.

Services 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. This approach allows you to:

- 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 award-winning technical support

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For more information

For more information about the Cisco Video Surveillance 8000P IP Camera, visit <https://www.cisco.com/go/physec> or contact your local account representative.

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San Jose, CA

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