

Cisco Video Surveillance 6620 and 6630 IP Cameras

The Cisco® Video Surveillance 6630 IP Camera is an outdoor, high-definition, full-functioning video endpoint with industry-leading image quality and processing power. Its companion, the Cisco Video Surveillance 6620 IP Camera, contains the same level of image quality in an indoor enclosure. The cameras are capable of 1920 x 1080 resolution while optimizing network utilization with either H.264 or Motion JPEG (MJPEG) compression. Contact closures allow integration with access control systems. With its open, standards-based design, the cameras provide an ideal platform for integration and operation as an independent device or as part of a Cisco Video Surveillance network.

The Cisco Video Surveillance 6620 and 6630 IP Cameras offer a variety of benefits, including:

- **True high-definition (HD) video:** The camera streams crisp and clear video at resolutions up to 1920 x 1080 while maintaining low network bandwidth.
- **P-Iris lens:** The camera supports a P-Iris lens, which allows greater control of the lens aperture and produces a sharper image over typical DC iris lenses.
- **True wide dynamic range (WDR):** 100 db dynamic range for scenes that contain both light and dark areas.
- **Outdoor-ready:** (6630) An IK10 and IP67-rated enclosure for outdoor mounting.
- **Dual streaming:** The camera can stream H.264 and MJPEG video simultaneously. Each video stream can be configured with individual resolution, quality, and frame-rate settings.
- **Application-ready platform:** You can easily add functions by installing and running applications directly on the camera.
- **Day and night operation:** The camera provides true day-night functionality and includes an infrared filter, which automatically switches to night mode in low-light scenes and can be set to manual, automatic, or scheduled control.
- **Integrated infrared illuminator:** The infrared illuminator with smart IR can light an area up to 30 meters away.
- **Privacy regions:** The camera supports up to four user-defined privacy regions. Any video in a privacy region is masked in the video stream.
- **Local storage:** Video data can automatically be recorded to a MicroSD 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 Open Network Video Interface Forum (ONVIF) 2.0 and Profile S allows for standards-based interoperability and communications with other ONVIF appliances.
- **Flexible power options:** The camera supports Power over Ethernet (PoE) 802.3af, 12V DC or 24V AC power through an optional external power supply.

Features

Table 1 describes the features of the Cisco Video Surveillance 6620 and 6630 IP Cameras.

Table 1. Cisco Video Surveillance 6620 and 6630 IP Camera Features

Item	Details
Imaging device	1/3" progressive-scan CMOS
Image control	Automatic white balance (AWB), automatic gain control (AGC), automatic exposure shutter (AES), Wide Dynamic Range (WDR) and auto and manual iris
Wide dynamic range	100 dB
Minimum illumination	<ul style="list-style-type: none"> • Color mode: 0.16 lux • Black-and-white mode: 0 lux with illuminator active
Lens	3-10mm P-iris Remote focus and zoom
Field of view	33° to 104° (horizontal) 19° to 56° (vertical) 39° to 121° (diagonal)
Camera angle adjustment	Pan: 350° Tilt: 80° Rotate: 350°
Shutter speed	1/5 sec. to 1/10,000 sec
Video compression	H.264 and MJPEG
Audio compression	G.711 A-Law, G.711 U-Law
Resolution and frame rate (H.264)	Refer to Table 2
Resolution and frame rate (MJPEG)	Refer to Table 2
Video streaming	<ul style="list-style-type: none"> • Single-stream H.264 up to 1920 x 1080 at 30 frames per second (fps) • Single-stream MJPEG up to 1920 x 1080 at 30 fps • Dual-stream H.264 and MJPEG: <ul style="list-style-type: none"> ◦ Primary stream programmable up to 1920 x 1080 at 30 fps ◦ Secondary stream programmable up to 1024 x 576 at 15 fps
Protocols	Dynamic Host Control Protocol (DHCP), Hypertext Transfer Protocol (HTTP), Secure HTTP (HTTPS), Network Time Protocol (NTP), Real-Time Transport Protocol (RTP), Real-Time Streaming Protocol (RTSP), Simple Mail Transfer Protocol (SMTP), Secure Sockets Layer/Transport Layer Security (SSL/TLS), Transmission Control Protocol/Internet Protocol (TCP/IP), Secure Real-Time Transport Protocol (SRTP), Cisco Discovery Protocol, Bonjour, Simple Network Management Protocol (SNMP), and Secure Shell (SSH) Protocol
Quality of service (QoS)	Differentiated-services-code-point (DSCP) marking and class-of-service (CoS) marking
Power	12V DC or 24V AC through optional external power supply PoE (802.3af)
Power consumption (maximum)	DC: 25.2W AC: 30.3W PoE: 10.6W

Table 2 lists the video stream support for the Cisco Video Surveillance 6620 and 6630 IP Cameras.

Table 2. Cisco Video Surveillance 6620/6630 IP Camera Video Stream Support

Primary (H.264)	Maximum fps	Secondary (H.264 or MJPEG)	Maximum fps
1920 x 1080	30	-	-
1920 x 1080	15	1024 x 576 960 x 544 768 x 432 704 x 400 640 x 368 352 x 208 320 x 192	15
1536 x 864	30	1024 x 576 960 x 544 768 x 432 704 x 400 640 x 368 352 x 208 320 x 192	15
1472 x 832	30	1024 x 576 960 x 544 768 x 432 704 x 400 640 x 368 352 x 208 320 x 192	15
1280 x 1024	30	720 x 576 720 x 480 704 x 576 704 x 480 352 x 288 352 x 240 320 x 240 192 x 160	
1280 x 960	30	720 x 576 720 x 480 704 x 576 704 x 480 352 x 288 352 x 240 320 x 240 192 x 160	15
1280 x 720	30	1024 x 576 960 x 544 768 x 432 704 x 400 640 x 368 352 x 208 320 x 192	15

Primary (H.264)	Maximum fps	Secondary (H.264 or MJPEG)	Maximum fps
1024 x 576	30	1024 x 576 960 x 544 768 x 432 704 x 400 640 x 368 352 x 208 320 x 192	15
960 x 544	30	960 x 544 768 x 432 704 x 400 640 x 368 352 x 208 320 x 192	15
768 x 432	30	768 x 432 704 x 400 640 x 368 352 x 208 320 x 192	15
720 x 576	30	720 x 576 704 x 576 352 x 288 320 x 240 192 x 160	15
720 x 480	30	720 x 480 704 x 480 352 x 240 320 x 240 192 x 128	15
704 x 576	30	704 x 576 352 x 288 320 x 240 192 x 160	15
704 x 480	30	704 x 480 352 x 240 320 x 240 192 x 128	15
704 x 400	30	704 x 400 640 x 368 352 x 208 320 x 192	15
640 x 368	30	640 x 368 352 x 208 320 x 192	15
352 x 288	30	352 x 288 320 x 240 192 x 160	15
352 x 240	30	352 x 240 320 x 240 192 x 128	15
352 x 208	30	352 x 208 320 x 192	15

Primary (H.264)	Maximum fps	Secondary (H.264 or MJPEG)	Maximum fps
320 x 240	30	320 x 240 192 x 160 192 x 112 160 x 96	15
320 x 192	30	320 x 192	15
192 x 160	30	192 x 160	15
192 x 128	30	192 x 128	15

Connectors

Table 3 describes the connectivity and connectors of the Cisco Video Surveillance 6620 and 6630 IP Cameras.

Table 3. Cisco Video Surveillance 6620 and 6630 IP Camera Connectors

Item	Details
Network connectivity	100BASE-TX Ethernet with RJ-45 connector
Alarm input	One logic level programmable
Alarm output[*]	One logic level programmable
Storage	MicroSD card slot
Audio	<ul style="list-style-type: none"> • 3.5-mm audio jack: Audio input for optional external microphone and audio output for optional external speaker • Two-way (full- and half-duplex), one-way, or audio off
Analog Video	Through audio output jack using a Cisco CIVS-AVCABLE cable
Power input	Terminal block

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

Software

Table 4 describes the primary features of the Cisco Video Surveillance 6620 and 6630 IP Camera software.

Table 4. Cisco Video Surveillance 6620/6630 IP Camera Primary Software Features

Item	Details
Activity detection	User-definable alerts with configurable sensitivities and thresholds, email alert, and HTTP notifications
Camera-tamper detection	User-definable alerts, email alert, and HTTP notifications
Video format	NTSC and PAL
Image settings	Configurable brightness, sharpness, contrast, saturation, hue, and white balance
Overlay capabilities	Time, date, and text
Selectable bit rate	Support for constant bit rate or variable bit rate (constant quality)
IP filtering	Users can enter a list of allowed or blocked IP addresses for viewing video and configuring camera settings
Discovery	Cisco Discovery Protocol, Bonjour Zero-Configuration discovery
Configuration	<ul style="list-style-type: none"> • Browser-based using Microsoft Internet Explorer 8, and later • Two levels of user access with password protection
Security	Support for IEEE 802.1X authentication

Specifications

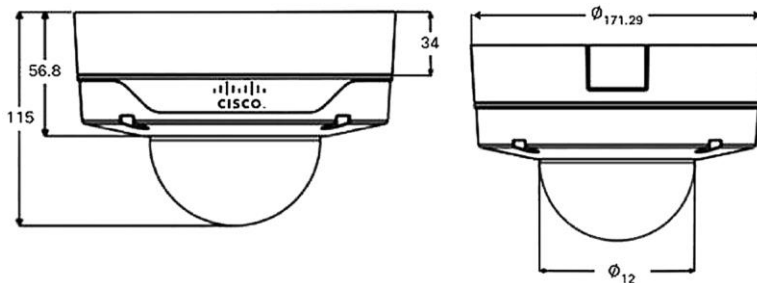
Table 5 provides specifications of the Cisco Video Surveillance 6620 and 6630 IP Cameras.

Table 5. Cisco Video Surveillance

Item	Specification
Housing	Aluminum
LEDs	Power and activity
Dimensions (H x W x D)	4.5 x 6.9 in. (115 x 174 mm x 174 mm)
Weight	1215 g
Certifications	<p>Safety: UL60950-1 second edition CSA22.2-No.60950-1 IEC/EN60950-1 second edition IEC/EN60825</p> <p>EMC-Requirements: CISPR22 Class B ICES-003 EN50121-4 EN50155 EN50130-4 EN55022 EN55024 EN61000-3-2/-3-3 Class A VCCI Class B KN22 Class B KN24</p>
Operating temperature	-20 to 50°C (-4 to 122°F) using PoE -50 to 50°C (-58 to 122°F) using AC Cold startup: -10°C using PoE -40°C using AC

Figure 1 shows the dimensions of the Cisco Video Surveillance 6620 and 6630 IP Cameras.

Figure 1. Cisco Video Surveillance 6620 and 6630 IP Cameras' Dimensions



All dimensions are in millimeters.

Package Contents

The items that ship with the Cisco Video Surveillance 6620 and 6630 IP Cameras include:

- Cisco Video Surveillance 6620 or 6630 IP Camera
- Installation template and alignment sticker
- Mounting plate
- Bushing and connectors
- L-type hex wrench

- Screws, hex nuts, and wall anchors
- Dessicant pack and double-sided tape
- Documentation reference card
- Regulatory documentation

Availability

The Cisco Video Surveillance 6620 and 6630 IP Cameras are available through Cisco Authorized Technology Provider (ATP) partners.

Ordering Information

Table 6 lists the part numbers for the Cisco Video Surveillance 6620 and 6630 IP Cameras and accessories.

Table 6. Ordering Information

Part Number	Description
CIVS-IPC-6620	Cisco Video Surveillance 2MP IP Indoor Dome Camera
CIVS-IPC-6630	Cisco Video Surveillance 2MP IP Outdoor Dome Camera
CIVS-6KA-VRD-C	Clear Vandal-Resistant Dome
CIVS-6KA-VRD-S	Smoked Vandal-Resistant Dome
CIVS-AVCABLE	Audio Video Cable for Cisco Video Surveillance 3600 Series, 6000 Series, and 7000 Series IP Cameras

Services and Support

Cisco and our certified partners can help you accelerate success and improve your ROI 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 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.

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

Cisco Capital

Financing to Help You Achieve Your Objectives

Cisco Capital can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. [Learn more.](#)

For More Information

For more information about the Cisco Video Surveillance 6620 and 6630 IP Cameras, visit <http://www.cisco.com/go/videosurveillance> or contact your local account representative.




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.

 Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: 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. (1110R)