

Cisco Room Vision PTZ



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Cisco Room Vision PTZ is a premium video-over-IP tracking camera designed to dynamically track and frame presenters and speakers by combining silent, motorized pan-tilt-zoom with embedded AI. Available in two color options, it offers flexible placement and discreet mounting options in a variety of meeting room, training room, lecture hall, and auditorium environments.

The camera features radically simple video over IP connectivity to make it easy to set up and manage over Ethernet, works plug-and-play with Cisco video devices, and can be managed in the cloud while providing seamless scalability to power multi-camera scenarios and advanced audiovisual deployments.



Figure 1: The Cisco Room Vision PTZ deployed for presenter tracking combined with a remote audience display in a training room.

Product overview

The Cisco Room Vision PTZ brings fluid, AI-powered camera pan-tilt-zoom, breathtaking image quality, simple deployment over IP and/or HDMI, and enterprise-grade management to uplevel any meeting, training, and community space.

AI camera tracking for meetings and presenters

The camera automatically tracks presenters on a large stage thanks to its wide mechanical pan-tilt range, captures meeting participants from the best angle, can zoom in on speakers seated furthest in the room, or provides camera tracking for large-screen deployments. With built-in AI, it provides studio-

quality tracking and smooth transitions to create an inclusive experience for remote meeting or event attendees. Room Vision PTZ offers high frame rate and dynamic capture of a single or even multiple subjects in parallel, powered by silent, optical pan-tilt-zoom. It supports a fully integrated audiovisual experience combined with Cisco microphones and video devices to ensure precise tracking of active speakers in a meeting and smooth, cinematic switching in advanced multi-camera scenarios.

With the enhanced PresenterTrack experience, it's more intuitive than ever to set up automated tracking for presenters, lecturers, and training facilitators using the touch controller. Or simply apply custom controls and create preset options for easy access in a session.

Radically simple deployment over IP

With the Room Vision PTZ, you can say goodbye to extenders, extra power adapters, cable clutter, and having to run electrical wiring close to the camera. The camera works plug-and-play with Cisco video devices over Ethernet resulting in less hardware to deploy, reduced installation costs, and simple maintenance. In addition, you can solve AV complexity caused by cable length and bandwidth limitations inherent in traditional HDMI or USB-based deployments.

The camera supports the PoE+ (IEEE802.3at compatible) network standards for optimum quality, high performance, and seamless integration while future-proofing your workspace deployment. Easy to scale and manage over the network, you can simply add more cameras to support multi-camera scenarios, including Cross-view, Extended Speaker View, Presenter and Audience, and custom AV integration.

Offering remote, unified cloud device management and diagnostics of your Cisco video devices, cameras, microphones and other peripherals in Control Hub, your IT admins can benefit from the simplicity of having a single management tool to monitor, remotely access, and analyze your room deployment.

Combined with secure media encryption and software upgrades, it helps to reduce the AV cost and complexity while protecting your technology investment.

Designed for the modern workplace

Available in stylish Carbon Black or Arctic White, the Room Vision PTZ is a discrete yet powerful device designed for unparalleled flexibility and convenience to support everyday meeting rooms, learning and community spaces, classrooms and lecture halls, and vertical deployments.

The camera accommodates your workspace's interior design and offers mounting options for flexible placement on the wall or ceiling, while working with standard tripods and external mounting hardware. The premium aluminum housing, paired with its modern curved silhouette and crisp, clean lines, adds a touch of sophistication to any environment.

At the back of the device, intuitive access to interfaces and smart cable management keep everything simple and functional. It's built for the circular economy with standardized product design, foam-free packaging, and smart power usage.

Figure 2: Room Vision PTZ cameras deployed in a boardroom combined with a Room Kit EQX to support the inclusive cross-view experience.



Features and benefits

Table 1. Features and benefits

FEATURE	BENEFITS
AI people tracking for video meetings, learning & community events	• Silent, AI-powered pan-tilt-zoom and high-quality framing to capture presenters, speakers and meeting participants at studio quality • 4K Ultra HD image sensor, advanced optical zoom, and automatic focus to capture every detail with precision in video meetings, presentations, and hybrid events • Wide field of view and incredible mechanical pan-tilt range allows presenters to move around a large stage and stay perfectly framed • Featuring embedded AI head detection and advanced processing in the camera, it allows for high frame rate for smooth camera movement and transitions, and supports responsive camera switching in multi-camera scenarios • Supports intelligent speaker tracking in combination with Cisco IP microphones (coming soon) • Provides dynamic camera tracking in single and multi-camera deployments, and cinematic meeting scenarios (Cross-view, Extended speaker view, Presenter and audience) • Offers custom manual camera controls and a wide range of preset options for easy access from the control panel • Upgraded Cisco PresenterTrack experience for intuitive setup and seamless tracking while also featuring automatic multi-camera configuration (coming with future software release)
Simplified video over IP	• Radically simple installation over a single Ethernet cable (PoE+) for power, video output, camera control, and firmware upgrades - without the cable length and bandwidth limitations of HDMI and USB-based AV deployments • Plug-and-play connectivity with Cisco video devices, including Cisco video bars, room kits, and integrated systems • Video over IP removes the need for video extenders, extra power injectors, cable clutter, and to run electrical wiring closer to the camera • Supporting the PoE+ standard, you can enjoy high performance, reliability, and seamless integration over the network • Seamless extension to cover the most challenging and custom spaces by connecting even multiple Room Vision PTZ cameras depending on the number of IP cameras supported by the connected Cisco video device. (Please note that the setup may require a PoE switch to extend the number of ports depending on the number of IP peripherals connected) • Unified cloud device management in Control Hub with full inventory, remote access, monitoring, and diagnostics of Cisco cameras, video devices, and other Cisco and third-party peripherals. • Continuous software upgrades to increase the value of the deployment • Supports AES-256 encrypted video to help ensure that captured video is processed securely • Installation over HDMI with select devices without video over IP (see Tech Specifications)
Flexible design	• Scalable to cover everyday meeting rooms, high-end boardrooms, training rooms, lecture halls, courtrooms, seminar areas, large auditoriums, and other multi-purpose spaces • Stylish design with two color options (Carbon Black or Arctic White) for room aesthetics • Circular, paint-free design with up to 75% PCR (post-consumer recycled) material used in the product, foam-free packaging, smart energy consumption • Flexible mounting options: dedicated wall mount for IP deployment, combined wall and ceiling mount for IP or HDMI-based deployment. Supports standard 1/4-20 tripod thread mount.



Figure 3: The Room Vision PTZ rear I/O area, camera optics, and side view.



Figure 4: Room Vision PTZ mounting options: wall mounting, ceiling mounting, and installation on a third-party tripod.

Figure 5: The Room Vision PTZ using silent pan-tilt-zoom to track the presenter in a medium meeting room.



Product specifications

Table 2. Product specifications

FEATURES	SPECIFICATION
Description	- Video over IP-based pan-tilt-zoom conferencing camera featuring a 4K image sensor, motorized tracking, embedded AI, and streamlined deployment over Ethernet. - Available in Arctic White (coming soon) or Carbon Black color
Default components	Cisco Room Vision PTZ camera unit (Carbon Black or Arctic White) Note: The PTZ Camera features a 1/4-20 tripod thread. All mounting options are ordered separately from the main unit.
Optional components	- Room Vision PTZ Mounting Options - Wall Mount (for Ethernet-only deployment) - Wall & Ceiling Mount (for Ethernet and/or HDMI-based deployment) - PoE+ Power Injector - CAT5E Plenum Rated Ethernet Cables - CAT5E Plenum Rated 20 meter (65.6 feet) - CAT5E Plenum Rated 30 meter (98.4 feet) Note: The PTZ Camera mounting options, ethernet cables, and local power (PoE+ injector) are always priced/ordered separately.
Product compatibility	- Cisco Room Kit EQ - Cisco Room Kit EQX - Cisco Room Bar Pro (May require PoE power injector if the camera is not connected via a PoE+ compatible Ethernet switch) - Cisco Board Pro 55/75 G2 (May require PoE power injector if the camera is not connected via a PoE+ compatible Ethernet switch) - Cisco Board Pro 55/75 (Requires deployment over HDMI + Ethernet, and may require PoE+ power injector if the camera is not connected via a PoE+ compatible Ethernet switch) - Cisco Codec Pro (Requires deployment over HDMI + Ethernet, and may require PoE+ power injector if the camera is not connected via a PoE+ compatible Ethernet switch) Note: The number of Room Vision PTZ camera units and the level of functionality supported is dependent on the host video device. Please refer to the video device data sheets for the number of cameras and camera features supported by the solution.
Software support	Cisco RoomOS 11.31 or later
Interfaces	- Power over Ethernet PoE+ (IEEE802.3at compatible) RJ45 10/100/1000 Ethernet connector for the transmission of power, video output, camera control, and firmware upgrades. - HDMI video output - Kensington lock - Factory reset pinhole

Table 2. Product specifications

FEATURES	SPECIFICATION
Software features	• AI head detection • Automatic or manual focus, brightness, and white balance • Auto framing • AI PresenterTrack experience for automated tracking & setup wizard • Speaker tracking (requires deployment with Cisco IP microphones - coming soon) • Automatic multi-camera configuration (coming with future software release) • Image rotation when mounted upside down • Manual camera control • Camera Presets
Focus distance	• 1.0 m to infinity (wide)
Video standards	• Video over IP • Video over HDMI 2.0 • RTSP streaming
Image sensor	• 4K Ultra HD image sensor
Zoom	• 60x total zoom • 12x optical zoom • 5x digital zoom
Field of view	• 80.5° horizontal field of view
Resolution	• Up to 1920 x 1080 at 60 fps • Up to 3840 x 2160 at 30 fps
Video frame rate	• Up to 60 fps
Pan-tilt range	• Silent, motorized PTZ used with PresenterTrack, speaker tracking, manual controls, and presets • Pan range: +/-170 degrees • Tilt range: -25 degrees to +90 degrees • Pan speed: 0.1 degree/sec ~ 100 degree/sec • Tilt speed: 0.1 degree/sec ~ 100 degree/sec
F-value	• F-value 1.8 - 3.6

FEATURES	SPECIFICATION	
Camera control & firmware upgrades	Over IP (LAN)	
Power	42.5-57V / 0.5-0.4A - Power over Ethernet, PoE+ 802.3 at Type 2 standard (IEEE802.3at compatible) - Average power consumption: 12W; standby: 3W	
Device management	Unified cloud device management, device controls, monitoring, and analytics in Control Hub alongside Cisco video devices and peripherals.	
Deployment	- Single-cable installation over Ethernet and option to scale over PoE+ switch - HDMI-based deployment with certain endpoints that don't support video over IP	
Camera physical dimensions	Camera Unit: Width : 165mm - 6.5 in Height : 196mm - 7.66 in Depth : 176mm - 6.93 in Weight: 2.3kg - 5.07 lbs	Camera Unit Package: Width: 291mm - 11.46 in Height: 291mm - 11.46 in Depth: 249mm - 9.8 in Weight: 3.4 kg - 7.4 lbs
Multi-purpose Wall & Ceiling Mount (for HDMI or Ethernet) physical dimensions	Camera Unit with Wall Mount bracket (for HDMI or Ethernet): - Width: 165mm - 6.5 in - Height: 200mm - 7.88 in - Depth: 250mm - 9.86 in ¹ Wall Mount Bracket Weight: 1.19 kg - 2.62 lbs Camera Unit with Ceiling Mount bracket (for HDMI or Ethernet): - Width: 165mm - 6.5 in - Height: 216mm - 8.51 in - Depth: 262mm - 10.32 in Ceiling Mount Bracket Weight: 2.06 kg - 4.54 lbs	Multi-purpose Wall & Ceiling Mount package (for HDMI or Ethernet): Width: 301mm - 11.85 in Height: 214mm - 8.43 in Depth: 93mm - 3.66 in Weight: 2.29 kg - 5.05 lbs
Wall Mount (Ethernet only) physical dimensions	Camera Unit with Wall Mount bracket (for Ethernet only): - Width: 165mm - 6.5 in - Height: 200mm - 7.88 in - Depth: 217mm - 8.52 in Wall Mount Bracket (Ethernet-only) Weight: 0.7 kg - 1.54 lbs	Wall Mount package (for Ethernet only): Width: 301mm - 11.85 in Height: 214mm - 8.43 in Depth: 93mm - 3.66 in

FEATURES	SPECIFICATION
Operating and storage temperature and humidity	- Operational ambient temperature range [0, 40]° C - Operating humidity range [20, 90]% Rh non-condensing - Storage ambient temperature range [-40, +70]° C - Storage humidity range [10, 90]% Rh non-condensing
Sustainability	- Circular, standardized product design optimized for easy repair, disassembly, and recycling - Up to 75% PCR (post-consumer recycled) material used in the product - Minimal use of plastics combined with aluminum housing for easier recycling - Unit color in not painted - Optimized, foam-free packaging - Support for low power mode for energy savings - Option to return end-of-use hardware at no cost in the Cisco Takeback and Reuse Program.
Regulatory compliance & standards	- FCC CFR 47 Part 15B (EMC) - Directive 2014/30/EU (EMC Directive) - Directive 2014/35/EU (Low-Voltage Directive) - Directive 2011/65/EU (RoHS) - Directive 2002/96/EU (WEEE) - NRTL approved (product safety) The Room Vision PTZ product does not contain any radio transmission product. The recommended Ethernet cables to use with the product are also Plenum rated (CMP). The list above reflects the regulations applicable at the time of publishing this document. For an updated list of regulations applicable, see the Product Approval Status Database for approval documents per country
Security	- Secure management using HTTPS and SSH protocols - Standards-based media encryption on all back-ends – Secure Real-time Transport Protocol [SRTP], using AES-256-GCM (AES-256 encrypted video) - Password protection to access administration - Network settings protection - Kensington lock

Warranty information

Warranty information is available on Cisco.com at the [Product Warranties](#) page.

Ordering information

The Cisco Room Vision PTZ is available as a part of a standalone unit (SPARE), as a standalone bundle (camera, mount, cable, power), as configured Collaboration video device solution (OPTION), or also as part of specific Room Kit Series bundle. All Room Vision PTZ Mounting Options and Ethernet Cables are sold separately. All Room Vision PTZ Mounting Options and Ethernet Cables are sold separately. To place an order, visit the [Cisco Ordering Home Page and refer to Table 3](#). To download software, visit the [Cisco Software Center](#).

Table 3. Ordering information

PRODUCT NAME	PART NUMBER	COMPLIANCE MODEL NUMBER
Main Offer Summary - standalone SPAREs, Bundles and configured OPTIONS		
Cisco Room Vision PTZ Camera, Arctic White - SPARE*	CS-CAM-RVPTZ-L=	TTC8-13
Cisco Room Vision PTZ Camera, Carbon Black - SPARE	CS-CAM-RVPTZ-C=	TTC8-13
Cisco Room Vision PTZ Camera, Arctic White - Bundle*	CS-CAM-RVPTZ-LBUN	
Cisco Room Vision PTZ Camera, Carbon Black - Bundle	CS-CAM-RVPTZ-CBUN	
Cisco Room Vision PTZ Camera, Arctic White*	CS-CAM-RVPTZ-L	TTC8-13
Cisco Room Vision PTZ Camera, Carbon Black	CS-CAM-RVPTZ-C	TTC8-13
Mounting Options - configured OPTIONS and standalone SPAREs - sold separately		
Ceiling-Wall Mount for Room Vision PTZ Camera - Arctic* White	CS-CAM-RVPTZ-CBKL	
Ceiling-Wall Mount for Room Vision PTZ Camera - Carbon Black	CS-CAM-RVPTZ-CBKC	
Wall Only Mount for Room Vision PTZ Camera - Arctic White*	CS-CAM-RVPTZ-WBKL	
Wall Only Mount for Room Vision PTZ Camera - Carbon Black	CS-CAM-RVPTZ-WBKC	
Ceiling-Wall Mount for Room Vision PTZ Camera - Arctic White - SPARE*	CS-CAM-RVPTZ-CBKL=	
Ceiling-Wall Mount for Room Vision PTZ Camera - Carbon Black - SPARE	CS-CAM-RVPTZ-CBKC=	
Wall Only Mount for Room Vision PTZ Camera - Arctic White - SPARE*	CS-CAM-RVPTZ-WBKL=	
Wall Only Mount for Room Vision PTZ Camera - Carbon Black - SPARE	CS-CAM-RVPTZ-WBKC=	

* The Room Vision PTZ in Arctic White and its related mounting accessories are coming soon.

Table 3. Ordering information

PRODUCT NAME	PART NUMBER	COMPLIANCE MODEL NUMBER
Power Injector - configured OPTIONS and standalone SPAREs - sold separately		
Power Injector 802.3at PoE+ 30W - SPARE	CS-PWR-INJ-30W=	
Power Injector 802.3at PoE+ 30W	CS-PWR-INJ-30W	
Network Cable Options - configured OPTIONS and standalone SPAREs - sold separately		
Ethernet CAT5E Plenum Rated - 20 meter - Gray - SPARE	CAB-CAT5E-CMP-20M=	
Ethernet CAT5E Plenum Rated - 30 meter - Gray - SPARE	CAB-CAT5E-CMP-30M=	
Ethernet CAT5E Plenum Rated - 20 meter - Gray	CAB-CAT5E-CMP-20M	
Ethernet CAT5E Plenum Rated - 30 meter - Gray	CAB-CAT5E-CMP-30M	
Power Injector Regional Power Cord SPAREs - sold separately		
Power Cord for Argentina 2m 10A-SPARE	PWR-CORD-ARG-B=	
Power Cord for Australia 2m 10A-SPARE	PWR-CORD-AUS-B=	
Power Cord for Brazil 2m 10A-SPARE	PWR-CORD-BRA-B=	
Power Cord for Switzerland 2m 10A-SPARE	PWR-CORD-CHE-B=	
Power Cord for China 2m 10A-SPARE	PWR-CORD-CHN-B=	
Power Cord for Denmark 2m 10A-SPARE	PWR-CORD-DNK-B=	
Power Cord for Europe 2m 10A-SPARE	PWR-CORD-EUR-B=	
Power Cord for United Kingdom 2m 10A-SPARE	PWR-CORD-GBR-B=	
Power Cord for India 2m 10A-SPARE	PWR-CORD-IND-B=	
Power Cord for Israel 2m 10A-SPARE	PWR-CORD-ISR-B=	
Power Cord for Italy 2m 10A-SPARE	PWR-CORD-ITA-B=	
Power Cord for Japan 2m 10A-SPARE	PWR-CORD-JPN-B=	

Table 3. Ordering information

PRODUCT NAME	PART NUMBER	COMPLIANCE MODEL NUMBER
Power Injector Regional Power Cord SPAREs - sold separately		
Power Cord for South Korea 2m 10A-SPARE	PWR-CORD-KOR-B=	
Power Cord for Taiwan 2m 10A-SPARE	PWR-CORD-TWN-B=	
Power Cord for United States of America 2m 10A-SPARE	PWR-CORD-USA-B=	
Power Cord for South Africa 2m 10A-SPARE	PWR-CORD-ZAF-B=	

Cisco environmental sustainability

Information about Cisco’s environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the “Environment Sustainability” section of Cisco’s [Corporate Social Responsibility](#) (CSR) Report.

Reference links to information about key environmental sustainability topics (mentioned in the “Environment Sustainability” section of the CSR Report) are provided in the following table.

Table 4. Environmental sustainability reference links

SUSTAINABILITY TOPIC	REFERENCE
Information on product material content laws and regulations	Materials
Information on electronic waste laws and regulations, including products, batteries, and packaging	WEEE compliance

Cisco makes the packaging data available for informational purposes only. It may not reflect the most current legal developments, and Cisco does not represent, warrant, or guarantee that it is complete, accurate, or up to date. This information is subject to change without notice.

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Cisco Services

Cisco and our partners provide a broad portfolio of smart, personalized services and support that can help you realize the full business value of your Cisco Device investment by increasing business agility and network availability. This portfolio of services accelerates business innovation by harnessing the network as a powerful business platform. For more information about these services, visit: <https://www.cisco.com/go/collaborationservices>.



For more information, please visit
[Room Vision PTZ camera product page](#)
[Cisco Workspaces to design your spaces for incredible outcomes](#)

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