

Webex Room Kit Pro PTZ 4K Integrator Bundle



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Figure 1. Webex Room Kit Pro PTZ 4K bundle with an additional Webex Quad Camera unit deployed in a custom briefing room

The Webex® Room Kit Pro PTZ 4K Integrator Bundle is a powerful collaboration solution that integrates with up to three flat-panel displays to bring more intelligence and versatility to your collaboration spaces. Ideal locations for this solution include large, custom video rooms, boardrooms, auditoriums, classroom theaters, conference rooms, purpose-built workspaces for vertical applications, and more. The integrator bundle combines the performance of the Webex Codec Pro collaboration engine, the flexibility of the Webex PTZ 4K pan-tilt-zoom camera and the purpose-built Webex Room Navigator table stand control panel to offer maximum flexibility and premium video collaboration in scenarios where you need special camera placement, want to view objects close up, or want to view a wide area with pan-tilt-zoom capability.

Product overview

The Room Kit Pro PTZ 4K integrator package delivers an industry-leading audio and video experience that customers have come to expect from Cisco. It acts as the audio and video engine for ultra HD video collaboration applications and AV integrations in which multiple screens, cameras, and content sources may be required. The Room Kit Pro PTZ 4K package continues the same artificial intelligence capabilities already offered on the rest of the Webex Room Series: intelligent views and framing, noise suppression, voice commands, and people count. In addition, the bundle provides flexibility for the largest meeting rooms and collaboration spaces that can benefit from a pan-tilt-zoom camera. The PTZ 4K Camera is an intelligent camera that delivers 20x optical, 12x digital zoom, and 4K ultra HD video.

It also offers AI-powered face and upper-body detection, automatic framing, and smart PresenterTrack capabilities while providing a high level of flexibility for custom and specialized integrations to enable natural interactions that remote participants can follow just like in-person attendees. Used within the Webex Room Kit Pro collaboration kit, the PTZ 4K Camera can take the meeting experience to a new level with powerful zoom, rapid and noiseless pan-tilt, and crystal-clear close-ups on distant objects and participants.

The Room Kit Pro PTZ 4K bundle is rich in functionality and experience, and is priced and designed to be easily scalable to all of your collaboration spaces—whether registered on the premises or to the Webex cloud service. Figure 2 shows the default components of the package.



Figure 2. Webex Room Kit Pro PTZ 4K integrator package with Webex Codec Pro, the Webex PTZ 4K Camera, and Webex Room Navigator

Features and benefits

Using the Room Kit Pro PTZ 4K, you can experience smarter meetings, enable smarter presentations, and create smarter room and device integrations. And when registered to the Webex cloud service, additional cloud-based functionalities are enabled that enhance the user experience and team workflow as well as further simplify deployment.

- **Smart meetings:** The powerful pan-tilt-zoom camera, which can be combined with other intelligent cameras, delivers intelligent view capabilities, such as automatic framing and speaker tracking; automatic noise suppression reduces meeting disruptions.
- **Smart presentations:** The Room Kit Pro PTZ 4K bundle supports up to three screens, dual content sources, and wireless sharing. The 4K content sharing is embedded to facilitate great presentations.
- **Smart integrations:** Presence detection and people count powered by smart sensors provide actionable usage metrics for resource and real estate optimization. Tight integrations with screens enhance user interactions. APIs and macros allow meeting personalization.
- **Registration flexibility:** The integrator bundle is built for both cloud and on-premises deployment, protecting your investment.

Table 1. Key features of the Webex Room Kit Plus PTZ 4K integrator bundle

FEATURE SUMMARY	DESCRIPTION
Smart meetings	• Powerful imaging with one intelligent, high-quality, pan-tilt-zoom camera • Provides Ultra HD (UHD) 4K video with outstanding clarity, rich colors, great smoothness, superb resolution, and frame rate • 20x optical and 12x digital zoom • Automatic noise suppression reduces disruptive sounds coming from the meeting room (e.g., typing, paper rustling) • Simplified meeting-join experience with One Button To Push (OBTP) for scheduled devices in a Webex meeting, whether registered on premises or to the Webex cloud service • Easily controlled by the Webex Room Navigator control unit or with a Webex App-enabled device • End-to-end security • Optimized for the Webex experience while also supporting third-party video conference and cloud meeting services
Smart presentations	• Supports three screens for video and content • Supports dual content sources for local meetings • View whiteboard content and annotations shared from Webex Board, Webex Desk Pro, or the Webex App; participate in whiteboarding sessions through the Webex App • 4K content sharing (local 30 fps, remote 5 fps) • Wired or wireless content sharing • PresenterTrack – intelligent face and upper body detection and tracking allows for keeping presenters visible in the video conference and at a high zoom level while they move around in a predefined presentation area
Smart integrations	• Automatic screen and display integration through HDMI Consumer Electronics Control (CEC) • Pair with up to two flat-panel screens to view remote participants and content • Supports Wi-Fi • Control system integration – Control peripherals such as lights and blinds through the Webex Room Navigator
Built for cloud and premises	• Flexibility to register on the premises or to Webex in the cloud • Hardware is optimized to run on a cloud platform for great experiences in shared rooms and spaces with easy access to hosted conferences

Table 1. Key features of the Webex Room Kit Plus PTZ 4K integrator bundle

FEATURE SUMMARY	DESCRIPTION
Design features	• One of the most powerful and feature-rich codecs available, with the ultimate in video and audio quality • UHD resolution to support large screen surfaces • 1.5 Rack Units (RU) high, rack mountable, with optional rack-mounting solution • Professional-grade connectors using Euroblock/Phoenix • Industry-leading quality and flexibility • Standards-compliant 1080p and 2160p solution, compatible with standards-based video without losing features
Application features	• Supports Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs • Supports switched conferencing for enhanced layouts and enabling video on multiple screens • Easy control of room peripherals such as lights, room dividers, and curtains directly from the Webex Room Navigator through the API (requires external third-party control system processor) • Limitless integration possibilities • Participate in Webex whiteboarding sessions from the Webex App; receive on-screen notification of shared whiteboard content (supported on cloud-registered devices) • Embedded MultiSite with up to 5 participants • 6 simultaneous video inputs that can be combined individually on all 3 outputs • Calls with HD video and UHD content • Simplified join-meeting experience with One Button To Push (OBTP) • Ideal for team-based collaboration, boardrooms, meeting rooms, and industry applications
Performance features	• Optimal definition up to 1080p60 • Up to 15 Mbps total MultiSite bandwidth (6 Mbps in point-to-point calls) • 6 simultaneous video inputs – 3 4K and 3 full HD • Connect up to 8 microphones directly to the codec • Full-duplex audio with high-quality stereo sound • Full API • Cisco Media Assure packet loss protection (Cisco ClearPath also supported)

An affordable way to purchase hardware

Webex Hardware as a Service provides a new way to purchase hardware with a simple, scalable, and flexible way to pay. Stay up to date with the latest models of Cisco IP phones and Webex devices to enhance collaboration and create workspaces for the future. And get ready for all the power of Cisco's unified cloud platform.

[Learn more about Webex Hardware as a Service and the devices available.](#)

[Read more about Webex Hardware as a Service](#) in the data sheet.

Webex Room Kit Pro PTZ 4K Integrator Bundle prominent features and differentiators

Bring more intelligence and equal collaboration experiences to your meeting space

Part of the Webex devices portfolio, the Webex Room Kit Pro PTZ 4K bundle enables users to fully realize a high-definition experience and provide superior video quality. Designed specifically for premium video conferencing, the PTZ 4K Camera provides crystal-clear, true-to-life quality for interaction and collaboration. It is optimized for use with Webex Codec Pro and works seamlessly with Webex Room Navigator for smart camera control. The components of the Room Kit Pro PTZ 4K are fully managed IT assets with centralized device management and insights in the Webex Control Hub.

The Webex Room Kit Pro PTZ 4K bundle can augment the video collaboration experience in the following use cases:

- **Enhanced video experience** – Upgrade from your legacy telepresence system to a powerful and intelligent video collaboration bundle for your larger collaboration spaces.
- **Build your own room system** – Use a single pan-tilt-zoom camera for imaging or combine the PTZ 4K Camera with the intelligent Webex Quad Camera or SpeakerTrack 60 Camera to take the meeting experience to a new level with crystal-clear close-ups, automatic face detection and framing, and speaker tracking capabilities.
- **Intelligent boardrooms and meeting spaces** – Let your presenters move around and present more naturally while ensuring remote meeting attendees don't lose sight of active speakers. The Webex Room Kit Plus PTZ 4K bundle is powered by sophisticated, AI-based presenter detection, framing, and tracking technology.
- **Hybrid court hearings** – Benefit from uncompromised video quality and improved visibility for remote participants when joining courtroom hearings via video conferencing.
- **Hybrid education** – Provide a high-quality video experience and improved visibility of the presenter for remote students joining classrooms, auditoriums, and lecture theaters via video conferencing

Product sustainability

Information about Cisco’s Environmental, Social, and Governance (ESG) initiatives and performance is provided in Cisco’s Corporate Social Responsibility (CSR) and sustainability [reporting](#).

Table 2. Cisco environmental sustainability information

SUSTAINABILITY TOPIC		REFERENCE
	Information on product-material-content laws and regulations	Materials
	Information on electronic waste laws and regulations, including our products, batteries, and packaging	WEEE compliance
	Information on Cisco’s product takeback and reuse program	Cisco Takeback and Reuse Program
General	Sustainability inquiries	Contact csr_inquiries@cisco.com
Material	Product packaging weight and materials	Contact environment@cisco.com

Product specifications

Table 3 lists the specifications for the Webex Room Kit Pro PTZ 4K and select specifications for relevant cameras and peripherals where noted.

Table 3. Product specifications

SPECIFICATION	DESCRIPTION
Software compatibility	• Cisco Collaboration Endpoint (CE) Software Version 9.14.5 or later, or Webex RoomOS
Default components in Room Kit Pro PTZ 4K integrator bundle	• Webex Codec Pro • Webex PTZ 4K Camera • Webex Room Navigator
Optional hardware components	• Cisco Table Microphone (with Euroblock plug), Cisco Ceiling Microphone, wall mount for Codec Pro, rack mount for Codec Pro, various cables
Bandwidth	• Up to 6 Mbps point to point
Minimum bandwidth for resolution/frame rate	• 720p30 from 768 kbps • 720p60 from 1152 kbps • 1080p30 from 1472 kbps • 1080p60 from 2560 kbps
Firewall traversal	• Cisco Expressway™ technology H.460.18, H.460.19 firewall traversal
Video standards	• H.264, H.265, H.263 for TANDBERG® MXP interoperability only (check the admin guide)

Table 3. Product specifications

SPECIFICATION	DESCRIPTION
Video inputs (6)	• 2 HDMI inputs support formats up to a maximum 1080p60 • 3 HDMI inputs support formats up to a maximum UHD (3840 x 2160) @ 30 fps including HD1080p60 • One 3G-SDI/HD-SDI input supports formats up to a maximum 1080p60 • Extended Display Identification Data (EDID) • Consumer Electronics Control (CEC) 2.0
Video outputs (3)	• 2 HDMI outputs support formats up to 3840 x 2160@60 fps (4Kp60) • 1 HDMI output supports formats up to 3840 x 2160@30 fps (4Kp30) • CEC 2.0
Encode and decode	• Video stream: Full HD 1080p60 • Content stream: 4K 2160p15
Audio standards	• G.711, G.722, G.722.1, G.729AB, 64 kbps and 128 kbps MPEG4 AAC-LD mono and stereo, OPUS
Audio features	• High-quality 20-kHz audio • 8 separate acoustic echo cancellers • 8-port audio mixer • 8 assignable equalizers • Automatic Gain Control (AGC) • Automatic noise reduction • Active lip synchronization
Audio inputs	• 8 microphones, 48V phantom powered, Euroblock connector, each with separate echo cancellers and noise reduction; all microphones can be set for balanced line level • 3 HDMI, digital: stereo PC/DVD input

Table 3. Product specifications

SPECIFICATION	DESCRIPTION
Audio outputs	• 6 balanced line level outputs, Euroblock connector • 3 HDMI outputs • HDMI input #1 supports Audio Return Channel (ARC) audio output to Quad Camera • 1 line out for subwoofer (Quad Camera)
Speakers (Quad Camera)	• High-quality speakers • Frequency response 70 Hz to 20 kHz • Maximum output level SPL 90 dB
Speaker tracking (Quad Camera, SpeakerTrack 60)	• The Room Kit Pro PTZ 4K bundle is also compatible and can be paired with the Webex SpeakerTrack 60 Camera or the Webex Quad Camera bar as well for intelligent framing and speaker tracking capabilities. • Quad Camera offers 6-element microphone array for accurate speaker tracking • Quad Camera can support group framing feature with 5x zoom capability • SpeakerTrack 60 can support close-up feature with 20x zoom capability
PresenterTrack (PTZ 4K Camera)	• AI-powered face and upper body detection capability • Camera automatically follows the active presenter within a defined zone and helps ensure an optimized view
Dual stream	• H.239 (H.323) dual stream • BFCP Session Initiation Protocol (SIP) dual stream • Supports resolutions up to 3840 x 2160p15 fps and 1080p60
Wireless sharing	• Webex clients (up to 3840 x 2160p5) • Cisco Intelligent Proximity client (up to 1920 x 1080p5)
Multipoint support	• 5-way embedded SIP/H.323 conferencing capability with MultiSite option

Table 3. Product specifications

SPECIFICATION	DESCRIPTION
MultiSite features (embedded multipoint) (optional upgrade)	- Adaptive SIP/H.323 MultiSite: 3-way resolution up to 1080p30 plus content up to 4Kp15 4-way resolution up to 720p30 plus content up to 4Kp15 5-way resolution up to 720p30 plus content up to 4Kp15 - Full individual audio and video transcoding - H.323, SIP, and VoIP in the same conference - Support for presentation (H.239, BFCP) from any participant at resolutions up to 3840 x 2160p5 - Best impression (automatic continuous presence layouts) - Encryption and dual stream from any site
Protocols	- H.323 - SIP - Webex
Embedded encryption	- H.323 and SIP point to point - Standards-based: H.235 v3 and Advanced Encryption Standard (AES) - Automatic key generation and exchange
IP network features	- DNS lookup for service configuration - Differentiated Services (DiffServ) (Quality of Service [QoS]) - IP-adaptive bandwidth management (including flow control) - Automatic gatekeeper discovery - Dynamic playout and lip-sync buffering - H.245 dual-tone multifrequency (DTMF) tones in H.323 - DTMF tones in SIP, RFC 4733 - Date and time support using Network Time Protocol (NTP) - Packet-loss-based downspeeding - Uniform Resource Identifier (URI) dialing - TCP/IP - Dynamic Host Configuration Protocol (DHCP) 802.1X network authentication 802.1Q Virtual LAN 802.1p QoS and class of service - Cisco Media Assure and ClearPath

Table 3. Product specifications

SPECIFICATION	DESCRIPTION
Call control	• Cisco Collaboration Cloud/Webex • Cisco Unified Communications Manager (UCM) - Native registration UCM - Requires UCM Version 10.5.2 or later with device pack for Room Kit Pro • Cisco TelePresence® Video Communication Server (VCS) - Native registration with VCS • Third-party H.323 gatekeepers and standards-based SIP proxies
IPv6 network support	• Single call stack support for both H323 and SIP • Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, DiffServ • Support for static IP address assignment, stateless auto-configuration, and DHCP v6
Security features	• Management using HTTPS and SSH • IP administration password • Password to access administration features on Cisco Touch 10 and Webex Room Navigator controller • Disable IP services • Network settings protection
Certificate management	• Certificate Authority Proxy Function (CAPF) support for additional security • Manufacturer-Installed Certificates (MIC) • Locally Significant Certificates (LSC) • X.509 Digital Certificates (DER encoded binary); both DER and Base-64 formats are acceptable for the client and server certificates; certificates with a key size of 1024, 2048, and 4096 are supported

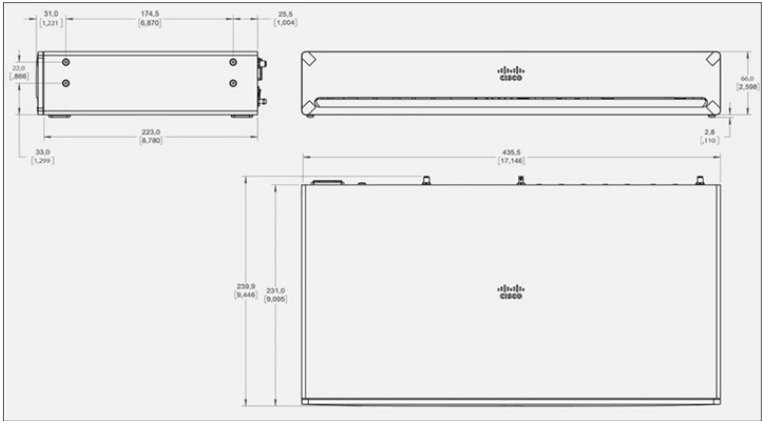
Table 3. Product specifications

SPECIFICATION	DESCRIPTION
Network interfaces Codec Pro	• 1 Ethernet (RJ-45) 10/100/1000 for LAN • 2 Ethernet (RJ-45) 10/100/1000 for direct pairing with camera (camera control) • 2 Ethernet (RJ-45) 10/100/1000 with PoE, 1 dedicated for direct pairing with Touch 10 • Wi-Fi 802.11a/b/g/n/ac 2.4 GHz and 5 GHz for LAN • 2x2 Multiple Input and Multiple Output (MIMO) Note: Due to compliance regulations, it is required that 802.11d be enabled in the access point for the product to operate properly within 5725 MHz – 5875 MHz. Using a Wi-Fi connection is a flexible option; however an Ethernet connection is always preferred for high performance.
Other interfaces	• 2x USB A port, USB-B, uUSB, factory reset pinhole
Power supply (Quad Camera)	• 100 to 240 VAC, 50/60 Hz, 12V DC input • Standby 6W, average 20W, peak 70W
Operating temperature and humidity	• 0° to 40°C (32° to 104°F) ambient temperature • 10% to 90% Relative Humidity (RH)
Storage and transport temperature	• 20° to 60°C (-4° to 140°F) at RH 10% to 90% (noncondensing)

Table 3. Product specifications

SPECIFICATION	DESCRIPTION
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Dimensions



Codec Pro:

- Width: 17.1 in. (43.6 cm)
- Height: 2.6 in. (6.6 cm)
- Depth: 9.1 in. (23.1 cm)
- Weight: 7.3 lbs (3.3 kg)

PTZ 4K Camera:

- Width: 6.3 in. (15.8 cm)
- Height (at max tilt): 7.0 in. (17.7 cm)
- Depth: 8.0 in. (20.0 cm)
- Weight: 3.75 lbs (1.7 kg)

Table 4. Camera overview

WEBEX PTZ 4K CAMERA OVERVIEW

- 1920 x 1080 at 60 fps/3840 x 2160 at 30 fps resolution
- Zoom 240x total
 - 20x optical zoom
 - 12x digital zoom
- Pan and tilt
 - Pan range: +/- 170 degrees
 - Tilt range: -20 degrees to +90 degrees
- Field of View (FoV)
 - Horizontal FoV: 70 degrees
- 1.0 m to infinity (wide) focus distance
- F-value: 2.0 – 3.8
- Camera control: Visca over IP (LAN port)
- Focus, white balance, and brightness: Manual or automatic
- Video interfaces
 - HDMI 2.0
- Power
 - 12V/3A
 - 100 to 120/200 to 240 VAC, 50/60 Hz
 - PoE+ (IEEE802.3at compatible)
 - Must be used with power supply FSP040-RHAN3, Phihong POE29U-1AT(PL), or Microsemi PD-9001GR/AT/AC
- Available with wall mount and upside-down ceiling mount

Regulatory compliance

- Directive 2014/30/EU (EMC Directive) and Directive 2014/35/EU (Low-Voltage Directive) for the non-radio versions
- Directive 2014/53/EU (Radio Equipment Directive) for the radio versions
- Directive 2011/65/EU (RoHS)
- Directive 2002/96/EU (WEEE)
- NRTL approved (Product Safety)
- FCC Listed (Radio Equipment)

Standards

- Radio: EN 300 328, EN 301 893, EN 300 440 (only for the radio versions)
- EMC: EN 301 489-1 and -17 (only for the radio versions), EN 55032 – Class A, EN 55024
- Safety: EN 60950-1 (for radio and non-radio), EN 62479, EN 62311 (for the radio versions)
- FCC CFR 47 Part 15B (EMC) – Class A
- FCC CFR 47 Part 15C (RF)
- FCC CFR 47 Part 15E (RF)

Please check the [Product Approval Status Database](#) for approval documents per country.

Ordering information

To place an order, contact your local Cisco representative and refer to Table 5.

Table 5. Ordering information

PRODUCT NAME	PART NUMBER	COMPLIANCE MODEL NUMBER
Webex Room Kit Pro with PTZ 4K Camera – GPL, including: - Webex Codec Pro - Webex PTZ 4K Camera - Webex Room Navigator control unit	CS-KITPRO-PTZ4K-K9	–
	CS-CODEC-PRO+	TTC6-13
	CS-CAM-PTZ4K+	EVI-X200C
	CS-T10-TS+	TTC5-15
Options		
Rack ears for Codec Pro	CS-CPRO-RACKEARS	–
Wall-mount kit for Codec Pro	CS-CPRO-WMK	–
Webex PTZ 4K Camera Power Supply	PSU-12VDC-40W2=	–
Webex PTZ 4K Camera Wall Mount Bracket	CS-PTZ4K-BRKT=	–
Cisco Table Microphone with Euroblock connector	CS-MIC-TABLE-E	TTC5-14
Extension cable for Table Microphone	CAB-MIC-EXT-E	–
Cisco Ceiling Microphone	CTS-MIC-CLNG-G2	TTC5-13

Table 5. Ordering information

PRODUCT NAME	PART NUMBER	COMPLIANCE MODEL NUMBER
Shielded cable for Ceiling Microphone (non-plenum rated)	CAB-ETHRSHLD-10M	–
8 m/26 ft HDMI 2.0 certified cable	CAB-PRES-2HDMI-GR	–
HDMI 2.0 cable 1.5 m/5 ft, gray	CAB-2HDMI-1.5M-GR	–
HDMI 2.0 cable 3 m/10 ft, gray	CAB-2HDMI-3M-GR	–
Ethernet cable 1.5 m/5 ft, gray	CAB-ETH-1.5M-GR	–
Ethernet cable 3 m/10 ft, gray	CAB-ETH-3M-GR	–
Ethernet cable 5 m/16.4 ft, gray	CAB-ETH-5M-GR	–
Software options – ordered separately		
Remote Monitoring	L-KIT-RM (L-TP-RM)	–
MultiSite (embedded multipoint)	L-KITPRO-MS	–

Table 5. Ordering information

PRODUCT NAME	PART NUMBER	COMPLIANCE MODEL NUMBER
Spares		
Webex Codec Pro	CS-CODEC-PRO=	TTC6-13
Webex Codec Pro – No Radio No Crypto	CS-CODEC-PRO-NR-K7=	TTC6-13
Webex Quad Camera	CS-QUADCAM=	TTC8-10
Webex PTZ 4K Camera	CS-CAM-PTZ4K=	EVI-X200C

Cisco and partner services

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your Cisco Collaboration investment by increasing business agility and network availability. Our portfolio of services helps you accelerate business innovation through a network-based collaboration platform that enables businesses to collaborate anywhere, at any time. For more information about these services, visit our [Collaboration Services website](#).

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. [Learn more](#).



For more information

Learn more about the [Webex Room Kit Pro](#)

Learn more about the [Webex PTZ 4K Camera](#)

Download the [Webex App](#)

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