



The bridge to possible

Data Sheet

Cisco Webex Room Kit Series: Cisco Webex Room Kit Plus PTZ

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The Cisco Webex® Room Kit Plus PTZ (pan-tilt-zoom) integrator package is a powerful collaboration solution that integrates with flat-panel displays to bring more intelligence and versatility to your collaboration spaces. This package combines the performance of the Cisco® Webex Room Kit Plus Codec (Codec Plus) and the flexibility of a pan-tilt-zoom camera to offer maximum flexibility in scenarios where you need special camera placement, objects close up, or wide pan-tilt-zoom capability.

The Room Kit Plus PTZ integrator package delivers an industry-leading audio and video experience that customers have come to expect from Cisco. In addition, the package provides flexibility for rooms that can benefit from a pan-tilt-zoom camera. The PTZ camera delivers 12x optical and 12x digital zoom. It also offers a high level of flexibility for custom and specialized integrations.

The Room Kit Plus PTZ integrator package is rich in functionality and experience, but is priced and designed to be easily scalable to all of your collaboration spaces—whether registered on the premises or to Cisco Webex in the cloud. Figure 1 shows the components of the package.



Figure 1.
Cisco Webex Room Kit Plus PTZ

Product features

Table 1 summarizes the key features of the Cisco Webex Room Kit Plus PTZ.

Table 1. Feature Summary

Feature summary	Description
Smart meetings	<ul style="list-style-type: none"> • Powerful imaging with one motorized, high-quality camera • 12x 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 Cisco Webex meetings, whether registered on-prem or to Cisco Webex • Easily controlled by the Cisco Touch 10 control unit or with a Cisco Webex Teams™ app-enabled device • End-to-end security
Smart presentations	<ul style="list-style-type: none"> • Supports dual screens for video and content • Supports dual content sources for local meetings • View white board content and annotations shared from Cisco Webex Board, Cisco Webex DX80, or Cisco Webex Teams app; participate in white boarding sessions through Cisco Webex Teams app • 4K content sharing (local 30 fps, remote 5 fps) • Wired or wireless content sharing

Feature summary	Description
Smart integrations	<ul style="list-style-type: none"> • Automatic screen and display integration through HDMI Consumer Electronics Control (CEC) • Supports Wi-Fi • Control system integration: Control peripherals such as lights and blinds through the Cisco Touch 10
Built for cloud and premises	<ul style="list-style-type: none"> • Flexibility to register on the premises or to Cisco 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

An affordable way to purchase hardware

Cisco 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 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.](#)

[Click here](#) to access the Webex Hardware as a Service data sheet.

Product specifications

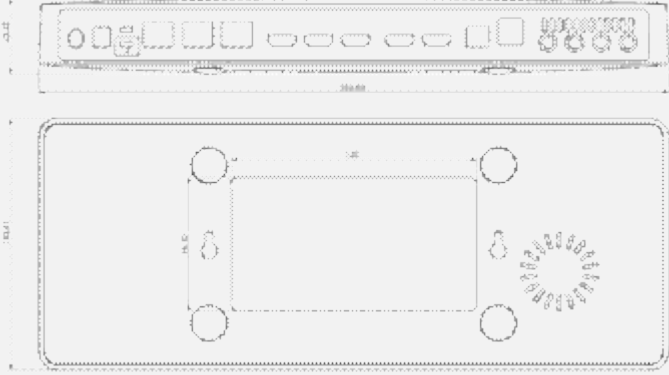
Table 2 lists the specifications for the Cisco Webex Room Kit Plus PTZ and select specifications for relevant cameras and peripherals where noted.

Table 2. Product Specifications

Specification	Description
Software compatibility	<ul style="list-style-type: none"> • Cisco Collaboration Endpoint (CE) Software Version 9.4 or later, or Cisco Webex Room OS
Default components in Cisco Webex Room Kit Plus PTZ	<ul style="list-style-type: none"> • Cisco Webex Codec Plus • PTZ Camera • Cisco Touch 10 control unit
Optional hardware components	<ul style="list-style-type: none"> • Cisco Table Microphone, wall mount for Codec Plus, various cables
Bandwidth	<ul style="list-style-type: none"> • Up to 6 Mbps point to point
Minimum bandwidth for resolution and frame rate	H.264 <ul style="list-style-type: none"> • 720p30 from 768 kbps • 720p60 from 1152 kbps • 1080p30 from 1472 kbps • 1080p60 from 2560 kbps
Firewall traversal	<ul style="list-style-type: none"> • Cisco Expressway™ technology • H.460.18, H.460.19 firewall traversal
Video standards	<ul style="list-style-type: none"> • H.264, H.265, and H.263 for TANDBERG™ MXP interoperability only
Video inputs	<ul style="list-style-type: none"> • One HDMI input supports formats up to maximum 1080p60 • Two HDMI inputs support formats up to maximum 4K (3840 x 2160) at 30 fps, including HD1080p60 • Extended Display Identification Data (EDID)

Specification	Description
	<ul style="list-style-type: none"> Consumer Electronics Control (CEC) 2.0
Video outputs	<ul style="list-style-type: none"> 2 HDMI outputs support formats up to 3840 x 2160@60 fps (4Kp60) Consumer Electronics Control (CEC) 2.0
Encode and decode	<ul style="list-style-type: none"> Main video: Full HD 1080p60 Presentation channel: UHD 4K 2160p5, including 1080p30 and 720p60
Audio standards	<ul style="list-style-type: none"> G.711, G.722, G.722.1, G.729, AAC-LD, and Opus
Audio features	<ul style="list-style-type: none"> High-quality 20-kHz audio Prepared for inductive loop (line out) Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization
Audio inputs	<ul style="list-style-type: none"> Three microphones, 4-pin mini-jack Embedded audio on two HDMI inputs
Audio outputs	<ul style="list-style-type: none"> 1 line out mini-jack (stereo) (Codec Plus) Embedded audio on one HDMI output HDMI input #1 supports Audio Return Channel (ARC)
Speaker tracking (Quad Camera, SpeakerTrack 60)	<ul style="list-style-type: none"> The Room Kit Plus PTZ is compatible with SpeakerTrack 60 and Quad Camera
Dual stream	<ul style="list-style-type: none"> H.239 (H.323) dual stream BFCP Session Initiation Protocol (SIP) dual stream Support resolutions up to 3840 x 2160p5 (4Kp5), 1080p30 and 720p60
Wireless sharing	<ul style="list-style-type: none"> Cisco Webex clients (up to 3840 x 2160p5) Cisco Intelligent Proximity client (up to 1920 x 1080p5)
MultiSite features (embedded multipoint) (optional upgrade)	<ul style="list-style-type: none"> Adaptive SIP/H.323 MultiSite: <ul style="list-style-type: none"> 3-way resolution up to 1080p30 plus content up to 4Kp5 4-way resolution up to 720p30 plus content up to 4Kp5 Full individual audio and video transcoding H.323/SIP/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	<ul style="list-style-type: none"> H.323 SIP Cisco Webex ISDN PRI/BRI using the optional ISDN Link
Embedded encryption	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> DNS lookup for service configuration Differentiated Services (DiffServ) (Quality of Service [QoS])

Specification	Description
	<ul style="list-style-type: none"> • 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) • Uniform Resource Identifier (URI) dialing • Dynamic Host Configuration Protocol (DHCP) • 802.1X network authentication • 802.1Q Virtual LAN • 802.1p [QoS and Class of Service (CoS)] • Cisco Media Assure and ClearPath, including packet loss-based downspeeding
Call control	<ul style="list-style-type: none"> • Cisco Collaboration Cloud / Webex • Cisco Unified Communications Manager (UCM) <ul style="list-style-type: none"> ◦ Native registration UCM ◦ Requires UCM Version 10.5.2 or later with device pack for Room Kit Plus • Cisco Expressway <ul style="list-style-type: none"> ◦ Native registration with Expressway • Cisco Webex • Third-party H.323 gatekeepers and standards-based SIP proxies
IPv6 network support	<ul style="list-style-type: none"> • Single call stack support for both H323 and SIP • Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, and DiffServ • Support for static IP address assignment, stateless auto-configuration, and DHCP v6
Security features	<ul style="list-style-type: none"> • Management using HTTPS and SSH • IP administration password • Password to access administration features on Touch 10 controller • Disable IP services • Network settings protection
Certificate management	<ul style="list-style-type: none"> • 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
Network interfaces Codec Plus	<ul style="list-style-type: none"> • 1 Ethernet (RJ-45) 10/100/1000 for LAN • 1 Ethernet (RJ-45) 10/100/1000 for direct pairing with camera (camera control) • 1 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) <p>Note: Due to compliance regulations, it is required that 802.11d is enabled in the access point for the product to operate properly within 5725 MHz - 5875 MHz.</p> <p>Using a Wifi connection is a flexible option, however an Ethernet connection is always preferred for high performance.</p>
Other interfaces	<ul style="list-style-type: none"> • 1xUSB A port, USB-B, uUSB, factory reset pinhole

Specification	Description
Power supply	<ul style="list-style-type: none"> • 100 to 240 VAC, 50/60 Hz, 12V DC input • Average 20 W, peak 70 W
Operating temperature and humidity	<ul style="list-style-type: none"> • 0° to 35° C (32° to 95° F) ambient temperature • 10% to 90% Relative Humidity (RH)
Storage and transport temperature	<ul style="list-style-type: none"> • -20° to 60° C (-4° to 140° F) at RH 10% to 90% (noncondensing)
Locking mechanism	<ul style="list-style-type: none"> • Kensington security lock
Dimensions	 <p>The image contains two technical drawings of a rectangular device. The top drawing is a front view showing a horizontal array of ports and a display on the right side. The bottom drawing is a top-down view showing the device's footprint, including four mounting holes at the corners and a circular logo on the right side.</p> <ul style="list-style-type: none"> • Codec Plus: <ul style="list-style-type: none"> ◦ Width: 14.1 in. (35.9 cm) ◦ Height: 1.7 in. (4.3 cm) ◦ Depth: 5.6 in. (14.3 cm) ◦ Weight: 3.9 lb. (1.77 kg) • PTZ-12 Camera: <ul style="list-style-type: none"> ◦ Length: 6 1/8 in. (15.3 cm) ◦ Height: 6 1/4 in. (15.6 cm) ◦ Depth: 6 1/8 in. (15.3 cm) ◦ Weight: 5.5 lb. (2.5 kg)

Camera overview

- 1920 x 1080 at 60 fps resolution
- Zoom 144x total
 - 12x optical zoom
 - 12x digital zoom
- Pan and tilt
 - Pan range: +/- 100 degrees
 - Tilt range: +/- 25 degrees
- Field of View (FoV)
 - Horizontal FoV: 71 degrees
- 0.5 m to infinity (wide) focus distance
- F-value: 1.8 - 2.0
- Camera control: Ethernet
- Focus, white balance, and brightness: Automatic
- Video interfaces

Camera overview

- HDMI
- Power
 - 12V
 - Network interfaces: One LAN/Ethernet (RJ-45) 10/100 Mbit

Regulatory Compliance

- Directive 2014/30/EU (EMC Directive)
- Directive 2014/53/EU (Radio Equipment Directive)
- 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
- EMC: EN 301 489-1 & -17, EN 55032 - Class A, EN 55024
- Safety: EN 60950-1, EN 62479, EN 62311
- 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 3.

Table 3. Ordering Information

Product name	Part number	Compliance model number
Cisco Webex Room Kit Plus PTZ	CS-KIT-PTZ12-K9	NA
Codec Plus	CS-CODEC-PLUS+	TTC7-25
PTZ Camera	CS-CAM-PTZ12+	EVI-120H
Touch 10 control unit	CTS-TOUCH10+	TTC5-09
Software options - ordered separately		
Remote monitoring	L-KIT-RM (L-TP-RM)	-
MultiSite (embedded multipoint)	L-KITPLUS-MS	-

Product name	Part number	Compliance model number
Spares		
Cisco Codec Plus	CS-CODEC-PLUS=	TTC7-25
PTZ Camera	CS-CAM-PTZ12=	EVI-120H

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For More Information

- Learn more about the [Cisco Webex Room Kit Plus](#)
- Download the [Cisco Webex Teams app](#)

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