



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

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The Cisco Webex<sup>®</sup> 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<sup>®</sup> Webex Room Kit Plus Codec (Codec Plus) and the flexibility of the 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. This integrator package is regionally available in the APJC market.

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
<b>Smart meetings</b>	<ul style="list-style-type: none"> <li>• Powerful imaging with one motorized, high-quality camera</li> <li>• 12x optical and 12x digital zoom</li> <li>• Easily controlled by the Cisco Touch 10 control unit or with a Cisco Webex Teams™ app-enabled device</li> <li>• End-to-end security</li> </ul>
<b>Smart presentations</b>	<ul style="list-style-type: none"> <li>• Supports dual screens for video and content</li> <li>• Supports dual content sources for local meetings</li> <li>• 4K content sharing (local 30 fps, remote 5 fps)</li> <li>• Wired or wireless content sharing</li> </ul>
<b>Smart integrations</b>	<ul style="list-style-type: none"> <li>• Automatic screen and display integration through HDMI Consumer Electronics Control (CEC)</li> <li>• Supports Wi-Fi</li> <li>• In-room control: Control peripherals such as lights and blinds through the Touch 10</li> </ul>
<b>Built for cloud and premises</b>	<ul style="list-style-type: none"> <li>• Flexibility to register on the premises or to Cisco Webex in the cloud</li> <li>• Hardware is optimized to run on a cloud platform, for great experiences in shared rooms and spaces with easy access to hosted conferences</li> </ul>

## Product Capabilities

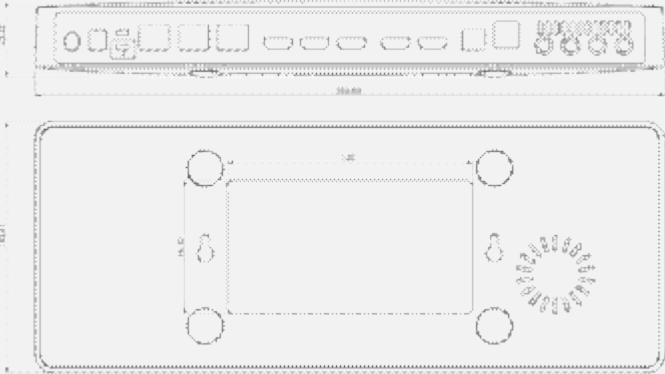
Table 2 lists the specifications for the Cisco Webex Room Kit Plus PTZ and select specifications for relevant cameras and peripherals where noted.

**Table 2.** Product Specifications

Specification	Description
Software compatibility	<ul style="list-style-type: none"> <li>• Cisco Collaboration Endpoint (CE) Software Version 9.4 or later, or Cisco Webex Room OS</li> </ul>
Default components in Cisco Webex Room Kit Plus PTZ	<ul style="list-style-type: none"> <li>• Cisco Webex Codec Plus</li> <li>• PTZ Camera</li> <li>• Cisco Touch 10 control unit</li> </ul>
Optional hardware components	<ul style="list-style-type: none"> <li>• Cisco Table Microphone 20, wall mount for Codec Plus, various cables</li> </ul>
Bandwidth	<ul style="list-style-type: none"> <li>• Up to 6 Mbps point to point</li> </ul>
Minimum bandwidth for resolution and frame rate	<ul style="list-style-type: none"> <li>• 720p30 from 768 kbps</li> <li>• 720p60 from 1152 kbps</li> <li>• 1080p30 from 1472 kbps</li> <li>• 1080p60 from 2560 kbps</li> </ul>
Firewall traversal	<ul style="list-style-type: none"> <li>• Cisco Expressway™ technology</li> <li>• H.460.18, H.460.19 firewall traversal</li> </ul>
Video standards	<ul style="list-style-type: none"> <li>• H.264, H.265, and H.263 for TANDBERG™ MXP interoperability only</li> </ul>
Video inputs	<ul style="list-style-type: none"> <li>• 1 HDMI input supports formats up to maximum 1080p60</li> <li>• 2 HDMI inputs support formats up to maximum UHD (3840 x 2160) at 30 fps, including HD1080p60</li> <li>• Extended Display Identification Data (EDID)</li> <li>• Consumer Electronics Control (CEC) 2.0</li> </ul>
Video outputs	<ul style="list-style-type: none"> <li>• 2 HDMI outputs support formats up to 3840 x 2160@60 fps (4Kp60)</li> <li>• CEC 2.0</li> </ul>
Audio standards	<ul style="list-style-type: none"> <li>• G.711, G.722, G.722.1, G.729, AAC-LD, and Opus</li> </ul>
Audio features	<ul style="list-style-type: none"> <li>• High-quality 20-kHz audio</li> <li>• Subwoofer line out</li> <li>• Prepared for inductive loop (line out)</li> <li>• Automatic Gain Control (AGC)</li> <li>• Automatic noise reduction</li> <li>• Active lip synchronization</li> </ul>
Audio inputs	<ul style="list-style-type: none"> <li>• Three microphones, 4-pin mini-jack</li> <li>• Two audio in from HDMI</li> </ul>
Audio outputs	<ul style="list-style-type: none"> <li>• 1 line out mini-jack (stereo) (Codec Plus)</li> <li>• 1 HDMI output</li> <li>• HDMI input #1 supports Audio Return Channel (ARC)</li> </ul>

Specification	Description
Speaker tracking (Quad Camera, SpeakerTrack 6o)	<ul style="list-style-type: none"> <li>• 6-element microphone array for accurate speaker tracking</li> </ul>
Dual stream	<ul style="list-style-type: none"> <li>• H.239 (H.323) dual stream</li> <li>• BFCP Session Initiation Protocol (SIP) dual stream</li> <li>• Supports resolutions up to 3840 x 2160p15 fps and 1080p60</li> </ul>
Wireless sharing	<ul style="list-style-type: none"> <li>• Cisco Webex clients (up to 3840 x 2160p5)</li> <li>• Cisco Intelligent Proximity client (up to 1920 x 1080p5)</li> </ul>
Multipoint support	<ul style="list-style-type: none"> <li>• 4-way embedded SIP/H.323 conferencing capability with MultiSite option</li> </ul>
MultiSite features (embedded multipoint) (optional upgrade)	<ul style="list-style-type: none"> <li>• Adaptive SIP/H.323 MultiSite: <ul style="list-style-type: none"> <li>◦ 3-way resolution up to 1080p30 plus content up to 4Kp5</li> <li>◦ 4-way resolution up to 720p30 plus content up to 4Kp5</li> </ul> </li> <li>• Full individual audio and video transcoding</li> <li>• H.323, SIP, and VoIP in the same conference</li> <li>• Support for presentation (H.239, BFCP) from any participant at resolutions up to 3840 x 2160p5</li> <li>• Best impression (automatic continuous presence layouts)</li> <li>• Encryption and dual stream from any site</li> </ul>
Protocols	<ul style="list-style-type: none"> <li>• H.323</li> <li>• SIP</li> <li>• Cisco Webex</li> </ul>
Embedded encryption	<ul style="list-style-type: none"> <li>• H.323 and SIP point to point</li> <li>• Standards-based: H.235 v3 and Advanced Encryption Standard (AES)</li> <li>• Automatic key generation and exchange</li> </ul>
IP network features	<ul style="list-style-type: none"> <li>• DNS lookup for service configuration</li> <li>• Differentiated Services (DiffServ) (Quality of Service [QoS])</li> <li>• IP-adaptive bandwidth management (including flow control)</li> <li>• Automatic gatekeeper discovery</li> <li>• Dynamic playout and lip-sync buffering</li> <li>• H.245 Dual-Tone Multifrequency (DTMF) tones in H.323</li> <li>• DTMF tones in SIP, RFC 4733</li> <li>• Date and time support using Network Time Protocol (NTP)</li> <li>• Packet loss-based downspeeding</li> <li>• Uniform Resource Identifier (URI) dialing</li> <li>• TCP/IP</li> <li>• Dynamic Host Configuration Protocol (DHCP)</li> <li>• 802.1X network authentication</li> <li>• 802.1Q Virtual LAN</li> <li>• 802.1p QoS and class of service</li> <li>• Cisco Media Assure and ClearPath</li> </ul>

Specification	Description
<b>Call control</b>	<ul style="list-style-type: none"> <li>• Cisco Collaboration Cloud / Webex</li> <li>• Cisco Unified Communications Manager (UCM) <ul style="list-style-type: none"> <li>◦ Native registration UCM</li> <li>◦ Requires UCM Version 10.5.2 or later with device pack for Room Kit Plus</li> </ul> </li> <li>• Cisco TelePresence<sup>®</sup> Video Communication Server (VCS) <ul style="list-style-type: none"> <li>◦ Native registration with VCS</li> </ul> </li> <li>• Third-party H.323 gatekeepers and standards-based SIP proxies</li> </ul>
<b>IPv6 network support</b>	<ul style="list-style-type: none"> <li>• Single call stack support for both H323 and SIP</li> <li>• Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, and DiffServ</li> <li>• Support for static IP address assignment, stateless auto-configuration, and DHCP v6</li> </ul>
<b>Security features</b>	<ul style="list-style-type: none"> <li>• Management using HTTPS and SSH</li> <li>• IP administration password</li> <li>• Password to access administration features on Touch 10 controller</li> <li>• Disable IP services</li> <li>• Network settings protection</li> </ul>
<b>Certificate management</b>	<ul style="list-style-type: none"> <li>• Certificate Authority Proxy Function (CAPF) support for additional security</li> <li>• Manufacturer-Installed Certificates (MIC)</li> <li>• Locally Significant Certificates (LSC)</li> <li>• 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</li> </ul>
<b>Network interfaces Codec Plus</b>	<ul style="list-style-type: none"> <li>• 1 Ethernet (RJ-45) 10/100/1000 for LAN</li> <li>• 1 Ethernet (RJ-45) 10/100/1000 for direct pairing with camera (camera control)</li> <li>• 1 Ethernet (RJ-45) 10/100/1000 with PoE, 1 dedicated for direct pairing with Touch 10</li> <li>• Wi-Fi 802.11a/b/g/n/ac 2.4 GHz and 5 GHz for LAN</li> <li>• 2x2 Multiple Input and Multiple Output (MIMO)</li> <li>• Bluetooth 4.0 LE</li> </ul>
<b>Other interfaces</b>	<ul style="list-style-type: none"> <li>• 1xUSB A port, USB-B, uUSB, factory reset pinhole</li> </ul>
<b>Power supply</b>	<ul style="list-style-type: none"> <li>• 100 to 240 VAC, 50/60 Hz, 12V DC input</li> <li>• Average 20 W, peak 70 W</li> </ul>
<b>Operating temperature and humidity</b>	<ul style="list-style-type: none"> <li>• 0° to 35°C (32° to 95°F) ambient temperature</li> <li>• 10% to 90% Relative Humidity (RH)</li> </ul>
<b>Storage and transport temperature</b>	<ul style="list-style-type: none"> <li>• -20° to 60°C (-4° to 140°F) at RH 10% to 90% (noncondensing)</li> </ul>
<b>Locking mechanism</b>	<ul style="list-style-type: none"> <li>• Kensington security lock</li> </ul>

Specification	Description
<b>Dimensions</b>	 <ul style="list-style-type: none"> <li>● <b>Codec Plus:</b> <ul style="list-style-type: none"> <li>◦ Width: 14.1 in. (35.9 cm)</li> <li>◦ Height: 1.7 in. (4.3 cm)</li> <li>◦ Depth: 5.6 in. (14.3 cm)</li> <li>◦ Weight: 3.9 lb. (1.77 kg)</li> </ul> </li> <li>● <b>PTZ-12 Camera:</b> <ul style="list-style-type: none"> <li>◦ Length: 6 1/8 in. (15.3 cm)</li> <li>◦ Height: 6 1/4 in. (15.6 cm)</li> <li>◦ Depth: 6 1/8 in. (15.3 cm)</li> <li>◦ Weight: 5.5 lb. (2.5 kg)</li> </ul> </li> </ul>

Camera overview
<ul style="list-style-type: none"> <li>● 1920 x 1080 at 60 fps resolution</li> <li>● Zoom <ul style="list-style-type: none"> <li>◦ 12x optical zoom</li> <li>◦ 12x digital zoom</li> </ul> </li> <li>● Pan and tilt <ul style="list-style-type: none"> <li>◦ Pan range: +/- 100 degrees</li> <li>◦ Tilt range: +/- 25 degrees</li> </ul> </li> <li>● Field of View (FoV) <ul style="list-style-type: none"> <li>◦ Horizontal FoV: 71 degrees</li> </ul> </li> <li>● 0.5 m to infinity (wide) focus distance</li> <li>● F-value: 1.8 – 2.0</li> <li>● Camera control: Ethernet</li> <li>● Focus, white balance, and brightness: Automatic</li> <li>● Video interfaces <ul style="list-style-type: none"> <li>◦ HDMI</li> </ul> </li> <li>● Power <ul style="list-style-type: none"> <li>◦ 12V</li> <li>◦ Network interfaces: One LAN/Ethernet (RJ-45) 10/100 Mbit</li> </ul> </li> </ul>

## 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	-
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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