Cisco Webex Room 55 Dual

The Cisco Webex® Room 55 Dual is an all-in-one video conferencing system for rooms of up to 12 people. The Room 55 Dual is available with two 55-inch LED screens for a people-focused or a people- and content-focused experience. The system combines beautiful design and powerful functionality into an all-in-one solution for medium- to large-sized rooms. The Room 55 Dual will transform your meeting space into a video collaboration hub – whether for connecting teams across the globe or for local meetings.

Overview

The Cisco Webex Room 55 Dual delivers the unmatched video and audio experience customers have come to expect from Cisco. In addition, new capabilities enable even smarter meetings, smarter presentation capabilities, and smarter room and device integrations, further removing the barriers to usage and deployment of video in medium to large-sized rooms.

The Room 55 Dual – comprising a powerful codec, a quad camera, and dual 55-inch 4K display(s) with integrated speakers and microphones[*] – is ideal for rooms that seat up to 12 people. It offers sophisticated camera technologies that bring speaker-tracking and auto-framing capabilities to medium- to large-sized rooms. The product is rich in functionality and experience and designed to be easily scalable to all of your conference rooms and spaces – whether registered on the premises or to Cisco Webex in the cloud.

[*] Integrated microphones for speaker tracking only.

Figure 1.   Cisco Webex Room 55 Dual on free-standing floor stand

Features and benefits

Table 1.   Features and benefits

Feature	Benefit
Design features	• One of the most powerful and feature-rich video systems available with the ultimate in video and audio quality • The next-generation 4K video collaboration codec • The next-generation fully automatic HD camera • Everything you need in one package (screens, speakers, codec, camera, touch user interface, microphones, mounting) • Wall-mount or floor stand (two floor stand options included: freestanding and wall-secured floor stand)

Smart meetings	• Brings intelligent views to medium- to large-sized rooms with discreet, integrated cameras
	  ◦ Best overview: Automatically detects meeting participants and provides ideal framing
	  ◦ Speaker tracking: Detects and switches between active speakers and provides ideal framing
	• Great audio experience with integrated speakers and external microphones
	• 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 meeting, whether registered on-premises or to Cisco Webex
	• Automatic wake-up: System "wakes up" when someone walks into the room, and recognizes them through their mobile device
	• Easily controlled by the Cisco® Touch 10 or with a device with the Cisco Webex Teams app
	• End-to-end security

Smart presentations	• Supports dual screens for video and content • Supports dual content sources for local meetings • View whiteboard content and annotations shared from the Cisco Webex Board, Cisco Webex DX80, or Cisco Webex Teams™ app; participate in whiteboarding sessions through the Webex Teams app • 4K content sharing (local 30 fps; remote 5 fps) • Wired or wireless content sharing
Smart integrations	• Metrics: Counts people in the room, enabling analytics for better resource planning • Supports Wi-Fi • In-room control: Control peripherals such as lights and blinds through the Cisco Touch 10
Built for cloud and premises	• Flexibility to register on the premises or to the cloud through Cisco Webex • Hardware is optimized to run on a cloud platform, for great experiences in shared rooms and spaces with easy access to hosted conferences

Figure 2. Cisco Webex Room 55 Dual in a large conference room

Bringing more intelligence to medium to large-sized rooms

The Cisco Webex Room 55 Dual is video innovation in an easy-to-install, all-in-one unit, bringing more intelligence and usability to your medium- to large-sized team collaboration rooms. While others are still struggling to insert advanced features such as speaker tracking, wireless sharing, and 4K content into their high-end products, Cisco is already proliferating these innovations to meeting rooms of all sizes in a cost-effective and simple way. With the Room 55 Dual, Cisco is helping customers experience smarter meetings, enable smarter presentations, and create smarter room and device integrations. And when registered to Cisco Webex in the cloud, additional cloud-based functionalities are enabled that enhance the user experience and team workflow as well as further simplifying deployment.

- **Smart meetings:** Powerful, integrated cameras deliver intelligent view capabilities, such as automatic framing and speaker tracking; automatic noise suppression reduces meeting interruptions
- **Smart presentations:** Dual screens, dual content sources, wireless sharing, and 4K content make for great presentations
- **Smart integrations:** People count for usage metrics and resource allocation, tight integrations with screens to enhance user interactions; APIs and macros allow meeting personalization
- **Registration flexibility:** Built for both cloud and on-premises deployment, protecting your investment

Cisco Webex Room 55 Dual registration

License Level	Term
Cisco Webex Device Subscription	Monthly or 1-, 2-, 3-, 4-, or 5-year options

Product specifications

Table 2.   Specifications

Specification	Description
Software compatibility	• Cisco Collaboration Endpoint Software Version 9.4 or later, or Cisco Webex Room OS
Default components in Cisco Webex Room 55 Dual	• Cisco Webex Codec Plus for Room 55 Dual • Cisco Webex Quad Camera • Loudspeakers • Cisco Touch 10 control unit • Mounting options: Floor stand or wall mount • 2x Cisco Table Microphones • 2x presentation cables (HDMI-to-HDMI), LAN cable, and power cable
Displays	• 2x 55-in. LCD monitors, LED backlight • Resolution: 3840 x 2160 (16:9) • Contrast ratio: Typical 1100 • Viewing angle: ◦ +/- 178 degrees (typical) • Response time: Typical 8 ms • Brightness: typical 440 cd/m2
Optional hardware components	• Additional Table Microphone, Cisco Ceiling Microphone
Bandwidth	• Up to 6 Mbps point to point
Minimum bandwidth for resolution/frame rate	H.264 • 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
Video inputs	• 1 HDMI input supports formats up to maximum 1080p60 • 2 HDMI inputs support formats up to maximum 4K (3840 x 2160) at 30 fps including HD1080p60 • Consumer Electronics Control (CEC) 2.0
Video outputs	• 2 HDMI outputs support formats up to 3840 x 2160p60 (4Kp60) (in use) • Live video resolutions (encode and decode) up to 1920 x 1080p60 (HD1080p) • CEC 2.0
Audio standards	• G.711, G.722, G.722.1, G.729, AAC-LD, and Opus
Audio features	• High-quality 20-kHz audio • Prepared for inductive loop (line out) • Automatic Echo Cancellation (AEC) • Automatic Gain Control (AGC) • Automatic noise reduction • Active lip synchronization
Audio inputs	• 3 microphones, 4-pin mini-jack • 1 audio in from HDMI
Audio outputs (external)	• 1 line out mini-jack (stereo)
Audio system	• Integrated multichannel loudspeaker system with dedicated bass speakers • Frequency response: 70 Hz to 20 kHz (+/- 3dB) • Max output level SPL 104dB @ 1 m
Speaker tracking	• 8-element microphone array for accurate speaker tracking

Specification	Description
Dual stream	• H.239 (H.323) dual stream • Binary Floor Control Protocol (BFCP) Session Initiation Protocol (SIP) dual stream • Support resolutions up to 3840 x 2160p5 (4Kp5) and 1080p30
Wireless sharing	• Cisco Webex Teams app (up to 3840 x 2160p5) • Cisco Intelligent Proximity client (up to 1920 x 1080p5)
Multipoint support	• 4-way embedded SIP/H.323 conferencing capability with MultiSite option

MultiSite features (embedded multipoint) (optional upgrade)	• Adaptive SIP/H.323 MultiSite
	  ◦ 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, 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 • Cisco 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 • RFC 4733 DTMF tones in SIP • Date and time support using Network Time Protocol (NTP) • Media adaption and resilience • 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])

Call control	• Cisco Unified Communications Manager (CUCM)
	  ◦ Native registration with CUCM
	  ◦ Requires CUCM Version 10.5.2 or later with device pack for Room 55 Dual
	• Cisco Expressway
	  ◦ Native registration with Expressway
	• Cisco Webex
	• Third-party H.323 gatekeepers and standards-based SIP proxies

Cisco TelePresence® Management Suite (TMS)	• Support for Room 55 Dual beginning with version 15.8 (available December 2018)
IPv6 network support	• Single call stack support for both H.323 and SIP • Dual-stack IPv4 and IPv6 for DHCP, Secure Shell (SSH), HTTP, HTTPS, DNS, DiffServ • Support for both static and automatic IP configuration (stateless address auto configuration)
Security features	• Management using HTTPS and SSH • IP administration password • Menu administration password • Disable IP services • Network settings protection

Specification	Description
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
Network interfaces codec medium	• 1 Ethernet (RJ-45) 10/100/1000 for LAN • 1 Ethernet (RJ-45) 10/100/1000 for direct pairing with camera • 1 Ethernet (RJ-45) 10/100/1000 with Power over Ethernet (PoE) for direct pairing with Touch 10 • Wi-Fi 802.11a/b/g/n/ac 2.4 GHz/5 GHz for LAN • 2x2 multiple input and multiple output (MIMO) • Bluetooth 4.0 LE (for future use)
Other interfaces	• USB 2.0 port (in use, controlling the screens), micro-USB, factory reset pinhole
Power	• Autosensing power supply • 100 to 240 VAC, 50/60 Hz • Dual-screen system: Average 278W[*] [*] Power consumption under normal operating conditions as defined in IEC 60950-1
Operating temperature and humidity	• 0° to 35°C (32° to 95°F) ambient temperature • 20% to 90% Relative Humidity (RH) • Max operating altitude: 3000 m (9842 ft)
Storage and transport temperature	• -20° to 60°C (-4° to 140°F) at RH 10% to 90% (noncondensing)

Dimensions	• Cisco Webex Room 55 Dual with floor stand:
	  ◦ Width: 99.1 in. (2518 mm)
	  ◦ Height: 68.2 in. (1731 mm)
	  ◦ Depth: 36.3 in. (920 mm)
	  ◦ Weight, monitor modules: 233.7 lb (106 kg)
	  ◦ Weight, floor stand: 66.1 lb (30 kg)
	  ◦ Weight: 337 lb (153 kg)
	• Cisco Webex Room 55 Dual with wall mount:
	  ◦ Width: 99.1 in. (2518 mm)
	  ◦ Height: 42.2 in. (1071 mm)
	  ◦ Depth: 5.9 in. (150 mm)
	  ◦ Weight, monitor modules: 233.7 lb (106 kg)
	  ◦ Weight, wall mount: 79.4 lb (36 kg)
	  ◦ Weight: 351 lb (159 kg)

Camera overview	• 5K Ultra HD camera • Supports up to 60 fps • 15.1 MP image sensor • 1/1.7 CMOS • 5x digital zoom (3 tele-lenses, each with 50° horizontal field of view) • f/2.0 aperture • 83° horizontal field of view; 51.5° vertical field of view • Auto-framing (audio + face detect) • 5120 x 2880 pixel resolution (1080p output) • Auto focus, brightness, and white balance • Focus distance 1 m to infinity

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 & -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 at https://www.ciscofax.com/ for approval documents per country.

Ordering information

To place an order, please contact your local Cisco representative and refer to Table 3.

Table 3.   Ordering information

Product Name	Part Number	Compliance Model Number
Dual Screen		
Cisco Webex Room 55 Dual – Subscription pricing (MSRP for cloud registration)	CS-ROOM55D-MSRP-K9	TTC60-25
Cisco Webex Room 55 Dual – Upfront pricing (GPL)	CS-ROOM55D-K9	TTC60-25
Cisco Webex Room 55 Dual – NO RADIO	CS-ROOM55D-NR-K9	TTC60-25
Cisco Webex Room 55 Dual – NO CRYPTO, NO RADIO	CS-ROOM55D-NR-K7	TTC60-25
Shielded cable for Ceiling Microphone (non-plenum rated)	CAB-ETHRSHLD-10M	
8 m HDMI 2.0 certified cable	CAB-PRES-2HDMI-GR	
Software options – ordered separately		
Remote Monitoring	L-ROOM-RM (L-TP-RM)	
MultiSite (embedded multipoint)	L-ROOM70-MS (L-ROOM-PAK)	
Spares		
See separate spare-part document		

Warranty Information

The Cisco Webex Room 55 Dual has a 90-day limited liability warranty.

Cisco Services and Support

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 collaboration 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, please visit:
https://www.cisco.com/go/collaborationservices.

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 Cisco Webex Room 55 Dual.
- Download the Cisco Webex Teams app.