

Cisco Spark Room 55

Cisco Spark Room 55 is a powerful, fully integrated collaboration system that brings more intelligence and usability to your small- to medium-sized meeting rooms, whether registered on-premises or to the Cisco cloud.

Cisco Spark Room 55 Overview

Cisco Spark™ Room 55 combines an unmatched video and audio experience with a sophisticated, Red Dot–awarded design to create a compelling team collaboration system.

The Room 55, which includes camera, codec, display, speaker system, and microphones integrated in a single device, is optimized for rooms that seat up to seven people. It is an all-in-one, integrated system that's easy to install, use, deploy, and manage. It's crafted with high-quality components: professional 4K display for longevity and minimal latency, powerful digital zoom camera for discreet tracking, sophisticated speaker system and amplifier to deliver rich sound, and a light industrial design that combines aluminum and fabric for a sustainable and humanizing effect.

The Cisco Spark Room 55 has the Cisco Spark Room Kit as its base technology, bringing new capabilities such as speaker tracking, best overview, automatic wake-up, and people count to enable even smarter meetings, smarter presentation capabilities, and smarter room and device integrations. These features and functionalities further remove the barriers to usage and deployment of video in small- to medium-sized meeting rooms. The Room 55 is rich in functionality and experience but is priced and designed to be easily scalable to all of your meeting rooms and spaces, whether registered on-premises or to Cisco Spark through the Cisco® Collaboration Cloud.

Figure 1. Cisco Spark Room 55 in Medium Room Scenario



Cisco Spark Room 55 Features and Benefits

Table 1 summarizes Cisco Spark Room 55 features and benefits.

Table 1. Features and Benefits

Feature	Benefit
Award-winning design	<ul style="list-style-type: none"> • Light, sophisticated industrial design is recipient of 2017 Red Dot award for innovation in design • Camera innovation: Powerful 5K UltraHD camera and wide-angle lens cover everyone in the room • Sound innovation <ul style="list-style-type: none"> ◦ Stereo speakers with dedicated center speaker for optimal voice pick-up ◦ Built-in amplifier to deliver rich sound ◦ Speakers above screen for more equal room coverage • Screen innovation: 4K professional-grade screen • Design innovation <ul style="list-style-type: none"> ◦ Fabric front for natural and inviting feel ◦ Aluminium frame for lightness in design and sustainability ◦ Increased height over previous generation to accommodate taller tables (10 cm/4 inches taller than MX300) • Highly reliable as components and software are designed to work together • Designed to minimize latency and echo
Smart meetings	<ul style="list-style-type: none"> • Brings intelligent views to smaller rooms with discreet, integrated camera <ul style="list-style-type: none"> ◦ 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 microphones, speakers, and amplifier; supports room elegance with no wires or microphones on the table • Automatic wake-up: System “wakes up” when someone walks into the room and suggests activities for fast and easy meeting start • Easily controlled by the Cisco TelePresence® Touch 10 (Touch 10) or with a Cisco Proximity or Cisco Spark 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 • 4K content sharing (local 30 fps, remote 5 fps) • Wired or wireless content sharing (only two wires required: power and HDMI)
Smart rooms	<ul style="list-style-type: none"> • Metrics: Counts people in the room, enabling analytics for better resource planning • Supports Wi-Fi • In-room control: Controls peripherals such as lights and blinds through the Touch 10
Built for cloud and premises	<ul style="list-style-type: none"> • Flexibility to register on-premises or to the cloud through Cisco Spark • Hardware is optimized to run on a cloud platform for great experiences in shared rooms and spaces, with easy access to hosted conferences

Cisco Spark Room 55 Prominent Features/Differentiators

Bringing More Intelligence to Small and Medium-Sized Rooms

The Cisco Spark Room 55 offers video innovation encased in a beautifully designed frame, bringing more sophistication, intelligence, and usability to your small-to-medium team collaboration rooms. While others are still struggling to offer advanced features such as speaker tracking, wireless sharing, and 4K content in their high-end products, Cisco is already bringing these innovations to small and medium team rooms in a cost-effective and simple way. With the Room 55, Cisco is helping customers experience smarter meetings, enable smarter presentations, and create smarter room and device integrations. These features were previously the domain of higher-end video conferencing rooms, but can now be brought to every room and every team. When registered to the Cisco Collaboration Cloud, additional functionalities enhance the user experience and team workflow and further simplify deployment:

- **Smart meetings:** Powerful, integrated cameras deliver intelligent view capabilities, such as automatic framing and speaker tracking.
- **Smart presentations:** Dual screens, dual content sources, wireless sharing, and 4K content make for great presentations.
- **Smart rooms:** People count for usage metrics and resource allocation; in-room controls through the Touch 10 provide enhanced functionalities.
- **Registration flexibility:** Built for both cloud and on-premises deployment, protecting your investment.

Cisco Spark Room 55 Registration

Table 2 provides registration information.

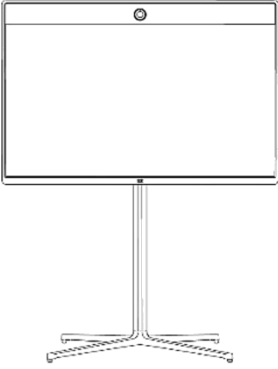







Table 2. Registration Information

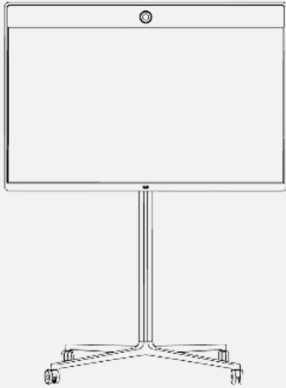








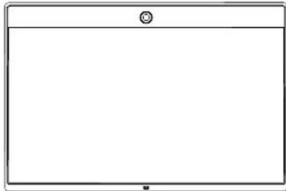







License level	Term
Cisco Spark Room 55 MSRP Cisco Spark Service	Monthly or 1-, 2-, 3-, 4-, or 5-year options

Product Specifications

Table 3 provides product specifications.

Table 3. Specifications

Specification	Description
Software compatibility	<ul style="list-style-type: none"> • Cisco Collaboration Endpoint Software Version 9.1.1 or later, and Cisco Spark Room OS
Default components in Cisco Spark Room 55 with:	
Floor stand	  Touch controller.  Network cable, flat for touch controller. 8m/26.2ft  Bumpers 4x  2x Mic10 7.5m/24.6ft  HDMI cable. 8m/26.2ft  Network cable, round. 5m/16.4ft  Power cable. 5m/16.4ft

Specification	Description
Wheel base	         <p>Cable hook.</p> <p>Wheels. 2x 2x w/brake</p> <p>Touch controller.</p> <p>Network cable, flat for touch controller. 8m/26.2ft</p> <p>2x Mic10 7.5m/24.6ft</p> <p>HDMI cable. 8m/26.2ft</p> <p>Network cable, round. 5m/16.4ft</p> <p>Power cable. 5m/16.4ft</p>
Wall mount	        <p>Wallmount.</p> <p>Touch controller.</p> <p>Network cable, flat for touch controller. 8m/26.2ft</p> <p>2x Mic10 7.5m/24.6ft</p> <p>HDMI cable. 8m/26.2ft</p> <p>Network cable, round. 5m/16.4ft</p> <p>Power cable. 5m/16.4ft</p>
Optional hardware components	<ul style="list-style-type: none"> • Microphone extension cable • HDMI presentation cable 8m/26.2 ft.
Bandwidth	<ul style="list-style-type: none"> • Up to 6 Mbps point-to-point
Minimum bandwidth for resolution/frame rate	<p>H.264:</p> <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
Video inputs	<ul style="list-style-type: none"> • Two HDMI input supports formats up to maximum 4K (3840 x 2160) at 30 fps, including HD1080p60; HDMI 2 supports HDCP content for local viewing • Consumer Electronics Control (CEC) 2.0
Video outputs	<ul style="list-style-type: none"> • One HDMI output supports formats up to 3840 x 2160 at 60 fps (4Kp60) • Live video resolutions (encode and decode) up to 1920 x 1080 at 30, 60 fps (HD1080p) • Consumer Electronics Control (CEC) 2.0
Audio standards	<ul style="list-style-type: none"> • G.711, G.722, G.722.1, G.729, AAC-LD, and Opus

Specification	Description
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"> • Two microphones, 4-pin minijack • Two audio in from HDMI • Internal microphone
Audio outputs (external)	<ul style="list-style-type: none"> • 1 line out minijack (stereo)
Speakers (integrated)	<ul style="list-style-type: none"> • High-quality speaker system with left, center, and right channels, plus woofer • Frequency response 70 Hz to 20 kHz • Amplifier power: 80W • Max output level SPL 98 dB
Speaker tracking	<ul style="list-style-type: none"> • 6-element microphone array for accurate speaker tracking
Display	<ul style="list-style-type: none"> • 55 in. (1.4m) LCD monitor, LED backlight • Resolution: 3840 x 2160 (16:9) • Contrast ratio: typical 1100 • Viewing angle: +/- 178 degrees • Response time: typical 8 ms • Brightness: typical 500 cd/m2
Dual stream	<ul style="list-style-type: none"> • H.239 (H.323) dual stream • Binary Floor Control Protocol (BFCP) (SIP) dual stream • Supports resolutions up to 3840 x 2160 at 5 fps
Wireless sharing	<ul style="list-style-type: none"> • Cisco Spark client (up to 3840 x 2160 at 5 fps) • Cisco Intelligent Proximity client (up to 1920 x 1080 at 5 fps)
Multipoint support	<ul style="list-style-type: none"> • 4-way embedded SIP/H.323 conferencing capability with MultiSite option
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 + content up to 4Kp5 ◦ 4-way resolution up to 720p30 + 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 Spark
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 (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) • Packet loss-based downspeeding • 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]) • ClearPath

Specification	Description
Call Control	<ul style="list-style-type: none"> • Cisco Unified Communications Manager (CUCM) <ul style="list-style-type: none"> ◦ Native registration with CUCM ◦ Requires CUCM Version 9.1(2) or later with device pack Room Kit • Cisco Video Communication Server (VCS) <ul style="list-style-type: none"> ◦ Native registration with VCS • Cisco Spark Service • 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 H.323 and SIP • Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, DiffServ • Support for both static and automatic IP configuration (stateless address autoconfiguration)
Security features	<ul style="list-style-type: none"> • Management using HTTPS and SSH • IP administration password • Menu administration password • Disable IP services • Network settings protection
Network interfaces	<ul style="list-style-type: none"> • One Ethernet (RJ-45) 10/100/1000 for LAN • One Ethernet (RJ-45) for Cisco Touch 10 direct pairing and power • Wi-Fi 802.11a/b/g/n/ac 2.4 GHz/5 GHz, 2x2 MIMO • Bluetooth 4.0 LE
Other interfaces	<ul style="list-style-type: none"> • USB 2.0 port type A, USB 2.0 port type B, μUSB, factory reset pinhole
Power	<ul style="list-style-type: none"> • Autosensing power supply • 100-240 VAC, 1.8-0.8A, 50/60 Hz • Rated: 142W maximum • Power consumption: 142W at maximum standardized configuration • Standby power consumption: 40W
Operating temperature and humidity	<ul style="list-style-type: none"> • 0°C to 40°C (32°F to 104°F) ambient temperature • 10% to 90% relative humidity (RH)
Storage and transport temperature	<ul style="list-style-type: none"> • -20°C to 60°C (-4°F to 140°F) at RH 10% to 90% (noncondensing)
Physical dimensions (H x W x D)	<p>Cisco Spark Room 55 with:</p> <ul style="list-style-type: none"> • Floor stand: 62.7 x 49 x 30.5 in (1593 x 1245 x 774mm) • Wall mount: 32.8 x 49.0 x 5.1 in (832 x 1245 x 130mm) • Wheel base: 62.7 x 49.0 x 30.5 in (1651 x 1245 x 774mm)
Weight	<p>Cisco Spark Room 55 with (all weight without packaging):</p> <ul style="list-style-type: none"> • Floor stand: 83.8 lb (38kg) • Wall mount: 68.3 lb (31kg) • Wheel base: 85.1 lb (38.6kg) • Main unit only: 66.1 lb (30kg)
Physical dimensions and weight of packaging (H x W x D)	<p>Cisco Spark Room 55 package size with:</p> <ul style="list-style-type: none"> • Floor stand: 42.5 x 54.3 x 17.3 in (1080 x 1380 x 440mm) • Wall mount: 46.9 x 53.9 x 17.3 in (1190 x 1370 x 440mm) • Wheel base: 42.5 x 54.3 x 17.3 in (1080 x 1380 x 440mm) <p>Cisco Spark Room 55 shipping weight with:</p> <ul style="list-style-type: none"> • Floor stand: 110 lb (50kg) • Wall mount: 88 lb (40kg) • Wheel base: 110 lb (50kg)
Camera overview	<ul style="list-style-type: none"> • 5K UltraHD camera • Supports up to 60 fps (max 30 fps with speaker tracking and best overview enabled) • 15.1 MP image sensor (5184 x 2916 pixels) • 1/1.7 CMOS • 3x zoom • f/2.0 aperture • 83° horizontal field of view/51.5° vertical field of view • Autoframing (audio + face detect)

Specification	Description
	<ul style="list-style-type: none"> Autofocus, brightness, and white balance Focus distance 1m to infinity

Regulatory Compliance

Directive 2014/35/EU (Low-Voltage Directive)

Directive 2014/30/EU (EMC Directive) – Class A

Directive 2014/53/EU (Radio Equipment Directive)

Directive 2011/65/EU (RoHS)

Directive 2002/96/EC (WEEE)

NRTL approved (Product Safety)

FCC CFR 47 Part 15B (EMC) – Class A

FCC Listed (Radio Equipment)

For approval documents per country, check the Product Approval Status Database at <https://www.ciscofax.com/>.

To place an order, contact your local Cisco representative and refer to Table 4.

Table 4. Ordering Information

Product name	Part number	Compliance model number
Cisco Spark Room 55: MSRP[†] Cisco Spark device with encryption Cisco Touch 10 control panel	CS-ROOM55-MSRP-K9 CS-R55-UNIT-K9+ CTS-CTRL-DVX-10+	TTC60-21 TTC5-09
Cisco Spark Room 55: GPL^{**} Cisco Spark device with encryption Cisco Touch 10 control panel	CS-ROOM55-K9 CS-R55-UNIT-K9+ CTS-CTRL-DVX-10+	TTC60-21 TTC5-09
Cisco Spark Room 55: no radio Cisco Spark device no radio Cisco Touch 10 control panel	CS-ROOM55-NR-K9 CS-R55-UNIT-NR-K9+ CTS-CTRL-DVX-10+	TTC60-21 TTC5-09
Cisco Spark Room 55: no radio, no encryption Cisco Spark device no radio and no encryption Cisco Touch 10 control panel	CS-ROOM55-NR-K7 CS-R55-UNIT-NR-K7+ CTS-CTRL-DVX-10+	TTC60-21 TTC5-09
Options		
Presentation cable 8m 4kp30 certified	CAB-PRES-2HDMI-GR	
Spares		
Floor Stand Kit	CS-ROOM55-FSK=	
Wall Mount Kit	CS-ROOM55-WMK=	
Wheel Base Kit	CS-ROOM55-WBK=	
Wheels Upgrade Kit (With cable hook)	CS-ROOM55-WUK=	
Speaker Grille Kit	CS-ROOM55-SGK=	
Spare Rear Cover	CS-ROOM55-RC=	
Spare Touch 10	CTS-CTRL-DV10=	
Spare Ethernet cable	CAB-NET-EN5M=	
Spare Microphone	CTS-MIC-TABL20=	
Spare Main Unit (Service purpose only)	CS-R55-UNIT-K9=	
Spare Main Unit Non Radio (Service purpose only)	CS-R55-UNIT-NR-K9=	

Spare Main Unit Non Radio and Non Encryption (Service purpose only)	CS-R55-UNIT-NR-K7=	
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* MSRP = manufacturer's suggested retail price

** GPL = global price list

Warranty Information

Cisco Spark Room 55 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, visit <https://www.cisco.com/go/collaborationservices>.

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