

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 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.

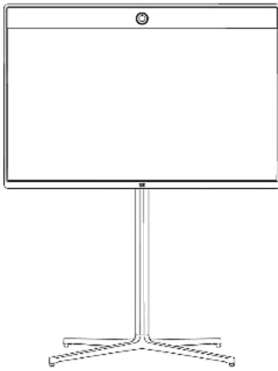







Table 2. Registration Information

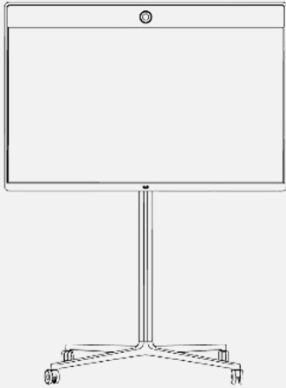








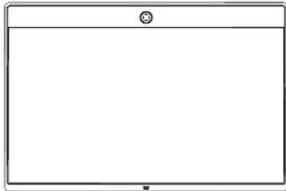







License level	Term
Cisco Spark Room 55 MSRP Cisco Spark Service	Monthly or 1-, 2-, 3-, 4-, or 5-year options

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	 <div>  Touch controller.  Network cable, flat for touch controller. 8m/26.2ft  2x Mic10 7.5m/24.6ft  Bumpers 4x  HDMI cable. 8m/26.2ft  Network cable, round. 5m/16.4ft  Power cable. 5m/16.4ft </div>

Specification	Description	
Wheel base		 Cable hook.  Wheels. 2x 2x w/brake  Touch controller.  Network cable, flat for touch controller. 8m/26.2ft  2x Mic10 7.5m/24.6ft  HDMI cable. 8m/26.2ft  Network cable, round. 5m/16.4ft  Power cable. 5m/16.4ft
Wall mount		 Wallmount.  Touch controller.  Network cable, flat for touch controller. 8m/26.2ft  2x Mic10 7.5m/24.6ft  HDMI cable. 8m/26.2ft  Network cable, round. 5m/16.4ft  Power cable. 5m/16.4ft
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	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 	
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 for Cisco Spark 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)	Cisco Spark Room 55 with: <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	Cisco Spark Room 55 with (all weight without packaging): <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)	Cisco Spark Room 55 package size with: <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) Cisco Spark Room 55 shipping weight with: <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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Cisco Spark Room Series

* Cisco Spark Room 70 Single

* Cisco Spark Room 70 Dual

Cisco Spark Room 70 is the flagship video collaboration product within the Cisco Spark Room Series portfolio. The Room 70 is available in two configurations: Room 70 Single (70S) with one 70" LED screen for a people-focused experience; Room 70 Dual (70D) with two 70" LED screens for a people-focused and people/content-focused experience. The systems combine beautiful design and powerful functionality into an all-in-one solution for medium-to-large rooms. Room 70 will transform your meeting spaces into a video collaboration hub - whether for connecting teams across the globe or for local meetings.

Cisco Spark Room 70 overview

Cisco Spark™ Room 70 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 70 – comprising a powerful codec, a quad-camera, and 70" single or dual 4K display(s) with integrated speakers and microphones* – is ideal for rooms that seat up to 14 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 but is priced and designed to be easily scalable to all of your conference rooms and spaces – whether registered on the premises or to Cisco Spark through the Cisco® Collaboration Cloud.

* Integrated microphones for speaker tracking only

Figure 1. Cisco Spark Room 70 Dual and Cisco Spark Room 70 Single on Free-standing Floor Stand



Cisco Spark Room 70 features and benefits

Feature	Benefit
Design Features	<ul style="list-style-type: none"> • One of the most powerful and feature-rich video systems available with the ultimate in video and audio quality • The next generation HD video collaboration codec • The next generation HD fully automatic camera • Everything you need in one unit (screens, speakers, codec, camera, touch user interface, microphones, mounting) • Wall-mount or floor stand (2 floor stand options included: Freestanding and wall-secured floor stand)
Smart meetings	<ul style="list-style-type: none"> • Brings intelligent views to medium to large-sized rooms with discreet, integrated cameras <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 speakers and external microphones • 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 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
Smart integrations	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Flexibility to register on the 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

Figure 2. Cisco Spark Room 70 in large conference room



Cisco Spark Room 70 prominent feature/differentiator

Bringing more intelligence to medium to large-sized rooms

The Cisco Spark Room 70 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 medium and large team rooms in a cost-effective and simple way. With the Room 70, Cisco is helping customers experience smarter meetings, enable smarter presentations, and create smarter room and device integrations. And when registered to the Cisco Collaboration 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
- **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 for enhanced functionalities
- **Registration flexibility:** Built for both cloud and on-premises deployment, protecting your investment

Cisco Spark Room 70 registration

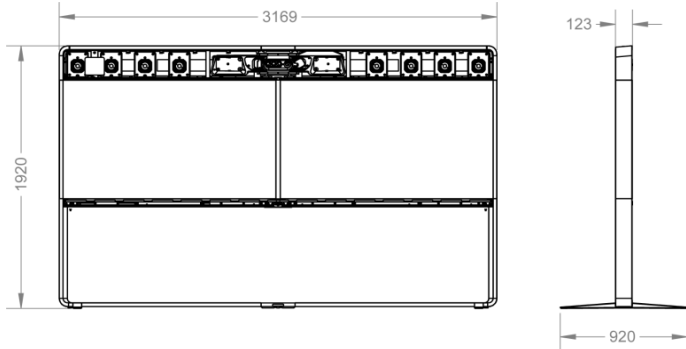
License Level	Term
Cisco Spark Room 70 MSRP Cisco Spark Service	Monthly or 1-, 2-, 3-, 4-, or 5-year options

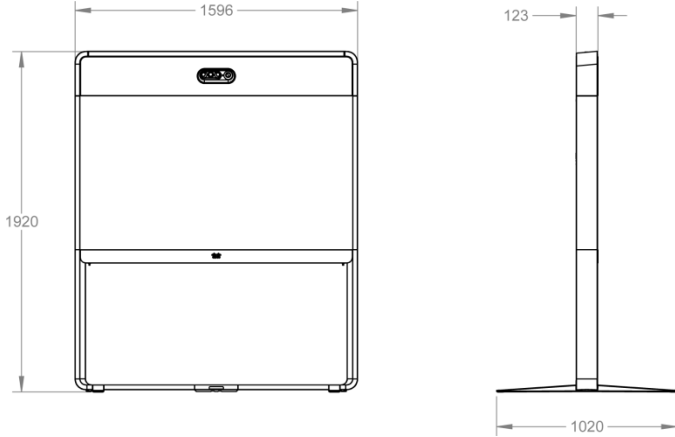
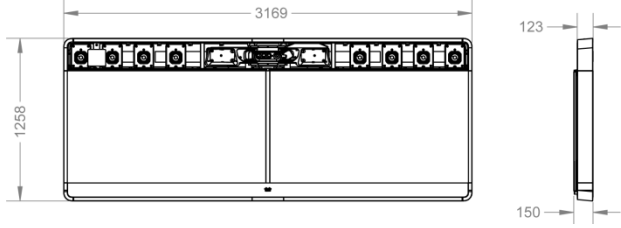
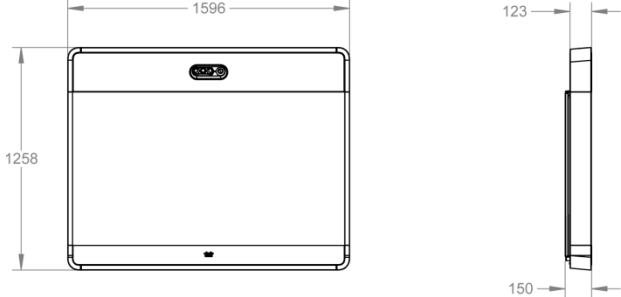
Product specifications

Table 1. Specifications

Specification	Description		
Software compatibility	<ul style="list-style-type: none">• Cisco Collaboration Endpoint Software Version 9.2 or later, or Cisco Spark Room OS		
Default components in Cisco Spark Room 70	<ul style="list-style-type: none">• Cisco Spark Codec Plus for Room 70• Cisco Quad camera• Loudspeakers• Cisco Touch 10 control unit• Mounting option – Floor stand or wall mount• 2x Table Microphone 20• 2x Presentation cable (HDMI – HDMI), LAN cable and Power cable		
Displays	<table><tr><td>Cisco Spark Room 70S<ul style="list-style-type: none">• 70-inch TFT-LCD monitor, edge-lit LED• Resolution: 3840 x 2160 (16:9)• Contrast ratio: Typical 4000:1• Viewing angle:<ul style="list-style-type: none">◦ +/- 88 deg (typical)◦ +/- 70 deg (minimum)• Response time: Typical 6 ms• Brightness:<ul style="list-style-type: none">◦ 230 cd/m2 @ 7,200K (default)◦ 260 cd/m2 @ 10,000K</td><td>Cisco Spark Room 70D<ul style="list-style-type: none">• 2x 70-inch TFT-LCD monitor, edge-lit LED• Resolution: 3840 x 2160 (16:9)• Contrast ratio: Typical 4000:1• Viewing angle:<ul style="list-style-type: none">◦ +/- 88 deg (typical)◦ +/- 70 deg (minimum)• Response time: Typical 6 ms• Brightness:<ul style="list-style-type: none">◦ 230 cd/m2 @ 7,200K (default)◦ 260 cd/m2 @ 10,000K</td></tr></table>	Cisco Spark Room 70S <ul style="list-style-type: none">• 70-inch TFT-LCD monitor, edge-lit LED• Resolution: 3840 x 2160 (16:9)• Contrast ratio: Typical 4000:1• Viewing angle:<ul style="list-style-type: none">◦ +/- 88 deg (typical)◦ +/- 70 deg (minimum)• Response time: Typical 6 ms• Brightness:<ul style="list-style-type: none">◦ 230 cd/m2 @ 7,200K (default)◦ 260 cd/m2 @ 10,000K	Cisco Spark Room 70D <ul style="list-style-type: none">• 2x 70-inch TFT-LCD monitor, edge-lit LED• Resolution: 3840 x 2160 (16:9)• Contrast ratio: Typical 4000:1• Viewing angle:<ul style="list-style-type: none">◦ +/- 88 deg (typical)◦ +/- 70 deg (minimum)• Response time: Typical 6 ms• Brightness:<ul style="list-style-type: none">◦ 230 cd/m2 @ 7,200K (default)◦ 260 cd/m2 @ 10,000K
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Optional hardware components	<ul style="list-style-type: none">• Additional Table Microphone 20, Ceiling Mic		

Specification	Description
Bandwidth	<ul style="list-style-type: none"> Up to 6 Mbps point-to-point
Minimum bandwidth for resolution/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
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 Consumer Electronics Control (CEC) 2.0
Video outputs	<ul style="list-style-type: none"> Two HDMI outputs support formats up to 3840 x 2160p60 (4Kp60) (In use) Live video resolutions (encode and decode) up to 1920 x 1080p60 (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
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 Two audio in from HDMI
Audio outputs (external)	<ul style="list-style-type: none"> 1 line out mini-jack (stereo) (Codec Plus)
Audio system	<ul style="list-style-type: none"> Integrated full-range multichannel and bass speakers Frequency response: 45 Hz to 20 kHz Max output level SPL 104dB @ 1m
Speaker tracking	<ul style="list-style-type: none"> 6-element microphone array for accurate speaker tracking
Dual stream	<ul style="list-style-type: none"> H.239 (H.323) dual stream Binary Floor Control Protocol (BFCP) (SIP) dual stream Support resolutions up to 3840 x 2160p5 (4Kp5) and 1080p30
Wireless sharing	<ul style="list-style-type: none"> Cisco Spark client (up to 3840 x 2160p5) Cisco Intelligent Proximity client (up to 1920 x 1080p5)
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

Specification	Description
	<ul style="list-style-type: none"> • H.245 Dual-Tone Multi-frequency (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	<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 for Room 70 • 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
Cisco TelePresence Management Suite (TMS)	<ul style="list-style-type: none"> • Support for Room 70 beginning with version TMS 15.6.1 (available January 2018)
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 auto configuration)
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 codec medium	<ul style="list-style-type: none"> • One Ethernet (RJ-45) 10/100/1000 for LAN • One Ethernet (RJ-45) 10/100/1000 for direct pairing with camera • One 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 MIMO • Bluetooth 4.0 LE
Other interfaces	<ul style="list-style-type: none"> • USB 2.0 port, uUSB, factory reset pinhole
Power	<ul style="list-style-type: none"> • Autosensing power supply • 100-240 VAC, 50/60 Hz • Dual-screen system: Average 470 W* • Single-screen system: Average 258 W* <p>* Power consumption under normal operating conditions as defined in IEC 60950-1</p>
Operating temperature and humidity	<ul style="list-style-type: none"> • 0°C to 35°C (32°F to 95°F) ambient temperature • 20% to 90% Relative Humidity (RH) • Max operating altitude: 3000meter (9842ft.)
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)
Dimensions	 <ul style="list-style-type: none"> • Cisco Spark Room 70D with floor stand: <ul style="list-style-type: none"> ◦ Width: 124.76 in (3169 mm)

Specification	Description
	<ul style="list-style-type: none"> ◦ Height: 75.59 in (1920 mm) ◦ Depth: 36.22 in (920 mm) ◦ Weight, monitor module: 390.22 lb (177 kg) ◦ Weight, floor stand: 77.16 lb (35 kg) ◦ Weight: 471.79 lb (214 kg)  <ul style="list-style-type: none"> • Cisco Spark Room 70S with floor stand: <ul style="list-style-type: none"> ◦ Width: 62.83 in (1596 mm) ◦ Height: 75.59 in (1920 mm) ◦ Depth: 36.22 in (1020 mm) ◦ Weight, monitor module: 196.21 lb (89 kg) ◦ Weight, floor stand: 57.32 lb (26 kg) ◦ Weight: 249.12 lb (113 kg)  <ul style="list-style-type: none"> • Cisco Spark Room 70D with wall mount: <ul style="list-style-type: none"> ◦ Width: 124.76 in (3169 mm) ◦ Height: 49.53 in (1258 mm) ◦ Depth: 5.91 in (150 mm) ◦ Weight, monitor modules: 390.22 lb (177 kg) ◦ Weight, wall mount: 88.18 lb (40 kg) ◦ Weight: 485.02 lb (220 kg)  <ul style="list-style-type: none"> • Cisco Spark Room 70S with wall mount:

Specification	Description
	<ul style="list-style-type: none"> ◦ Width: 62.83 in (1596 mm) ◦ Height: 49.53 in (1258 mm) ◦ Depth: 5.91 in (150 mm) ◦ Weight, monitor module: 196.21 lb (89 kg) ◦ Weight, wall mount: 57.32 lb (26 kg) ◦ Weight: 253.53 lb (115 kg)
Camera overview	<ul style="list-style-type: none"> • 5K Ultra HD camera • Support 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 • Auto focus, brightness, and white balance • Focus distance 1 m to infinity

Regulatory compliance

- Directive 2014/30/EU (EMC Directive)
- Directive 2014/53/EU (Radio Directive)
- Directive 2014/35/EU (Low-Voltage Directive)
- Directive 2011/65/EU (RoHS)
- Directive 2002/96/EU (WEEE)
- Standard EN 55022:2010, Class A
- Standard EN 55032:2012, Class A
- Standard EN 55024:2010
- Standard EN 61000-3-2:2014
- Standard EN 61000-3-3:2013

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 2.

Table 2. Ordering information

Product Name	Part Number	Compliance Model Number
DUAL SCREEN		
Cisco Spark Room 70D – Subscription pricing (MSRP for cloud registration)	CS-ROOM70D-MSRP-K9	TTC60-24
Cisco Spark Room 70D – Upfront pricing (GPL)	CS-ROOM70D-K9	TTC60-24

Product Name	Part Number	Compliance Model Number
Cisco Spark Room 70D – NO RADIO	CS-ROOM70D-NR-K9	TTC60-24
Cisco Spark Room 70D – NO CRYPTO – NO RADIO	CS-ROOM70D-NR-K7	TTC60-24
SINGLE SCREEN		
Cisco Spark Room 70S – Subscription pricing (MSRP for cloud registration)	CS-ROOM70S-MSRP-K9	TTC60-24
Cisco Spark Room 70S – Upfront pricing (GPL)	CS-ROOM70S-K9	TTC60-24
Cisco Spark Room 70S – NO RADIO	CS-ROOM70S-NR-K9	TTC60-24
Cisco Spark Room 70S – NO CRYPTO – NO RADIO	CS-ROOM70S-NR-K7	TTC60-24
Options		
Cisco Table Microphone 20	CTS-MIC-TABL20	TTC5-06
Extension cable for Table Microphone 20	CAB-MIC20-EXT	
Cisco Ceiling Microphone	CTS-MIC-CLNG-G2	
Shielded cable for Ceiling Mic (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	https://www.cisco.com/c/dam/en/us/td/docs/telepresence/endpoint/room-series/spare-parts-and-cables/room-70-spare-parts-list.pdf	

Warranty information

Cisco Spark Room 70 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:

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