Endpoint Product Matrix

	MX200 G2	MX300 G2	MX700	MX800

Feature/Functionality

	MX200 G2	MX300 G2	MX700	MX800
Form Factor	Single 42-inch screen integrated system	Single 55-inch screen integrated system	Dual 55-inch screen integrated system	Single 70-inch screen integrated system
Category	Collaboration Endpoints - Room System	Collaboration Endpoints - Room System	Collaboration Endpoints - Room System	Collaboration Endpoints - Room System
Key Features	42-inch screen endpoint offers high-quality, easy-to-use video collaboration experience with sleek, new design in second generation product; transforms any meeting space into a video-enabled team room; premium resolution and dual-display support included; embedded four-way multisite conferencing option; installs in minutes for easy deployment; simple to use with Touch 10 UI Supports: • Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs • Multistreaming (switched conferencing) for enhanced layouts • In-room control of peripherals from Touch 10 • New cloud registration through Cisco Spark for even faster and cost-effective deployment	55-inch endpoint offers high-quality, easy-to-use video collaboration experience with sleek, new design in second generation product; transforms any meeting space into a video-enabled team room; premium resolution and dual-display support included; embedded four-way multisite conferencing option; installs in minutes for easy deployment; simple to use with Touch 10 UI Supports: • Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs • Multistreaming (switched conferencing) for enhanced layouts • In-room control of peripherals from Touch 10 • New cloud registration through Cisco Spark for even faster and cost-effective deployment	Dual 55-inch LED sceen system turns any medium-to-large meeting room into a video collaboration hub; dual screens offer a people-and-content experience, supporting up to 3 screens; comes standard with a built-in amplifier and speaker system for the ultimate high fidelity sound; true 1080p60 resolution with option for single camera or intelligent dual-camera speaker-tracking solution; premium resolution and additional display are standard features; simple to use with Touch 10 UI; supports H.264 and H.265 Supports: • Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs • Multistreaming (switched conferencing) for enhanced layouts and video enablement on both screens of dual-screen endpoints • In-room control of peripherals from Touch 10 • New cloud registration through Cisco Spark for even faster and cost-effective deployment	70 inch LED screen system turns any medium-to-large meeting room into a video collaboration hub; large, single screen offers a people-centric experience, supporting up to 3 screens; comes standard with a built-in amplifier and speaker system for the ultimate high fidelity sound; true 1080p60 resolution with option for single camera or intelligent dual-camera speaker-tracking solution; premium resolution and additional display are standard features; simple to use with Touch 10 UI; supports H.264 and H.265 Supports: • Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs • Multistreaming (switched conferencing) for enhanced layouts • In-room control of peripherals from Touch 10 • New cloud registration through Cisco Spark for even faster and cost-effective deployment
Screens	Cisco TelePresence MX200 G2: 42-inch LCD monitor • Resolution: 1920 x 1080 (16:9) • Contrast ratio: Typical 1300:1 • Viewing angle: +/- 178 deg • Response time: Typical 8 ms • Brightness: 450 cd/m2	Cisco TelePresence MX300 G2: 55-in. (1.4m) LCD monitor • Resolution: 1920 x 1080 (16:9) • Contrast ratio: Typical 4000:1 • Viewing angle: +/-178 deg • Response time: Typical 8 ms • Brightness: Typical 450cd/m2	Cisco TelePresence MX700: 2x 55-in. (1.4m) TFT-LCD monitor, edge-lit LED • Resolution: 1920 x 1080 (16:9) • Contrast ratio: Typical 4000:1 • Viewing angle: +/-178 deg • Response time: Typical 8 ms • Brightness: Typical 450cd/m2	Cisco TelePresence MX800: 70-inch TFT-LCD monitor, edge-lit LED • Resolution: 1920 x 1080 (16:9) • Contrast ratio: Typical 4000:1 • Viewing angle: +/- 176 deg • Response time: Typical 8 ms • Brightness: 350 cd/m2
Camera	Cisco TelePresence MX200 G2: 2.5x optical zoom (5x with digital) Motorized +5°/-25° tilt, +/- 30° pan 83° horizontal field of view 51.5° vertical field of view Resolutions: 1080p60 and 720p60 F 2.0 Automatic or manual focus, brightness, and white balance Far-end camera control Focus distance 0.98 ft (0.3m) to infinity	Cisco TelePresence MX300 G2: 4x optical zoom (8x with digital) Motorized +15°/-25° tilt, +/-90° pan 72° horizontal field of view 43.5° vertical field of view Resolutions: 1080p60 and 720p60 F 1.7 Automatic or manual focus, brightness, and white balance Far-end camera control Focus distance 0.98 ft (0.3m) to infinity	20x total zoom (10x optical,2x digital zoom) Motorized +20°/-20° tilt, +/-90° pan 80° horizontal field of view 48.8° vertical field of view F 1.5 Resolutions: 1080p60 and 720p60 Automatic or manual focus, brightness, and white balance Far-end camera control Camera control over Ethernet Focus distance 3.28 ft (1m) to infinity	20x total zoom (10x optical,2x digital zoom) Motorized +20°/-20° tilt, +/-90° pan 80° horizontal field of view 48.8° vertical field of view F 1.5 Resolutions: 1080p60 and 720p60 Automatic or manual focus, brightness, and white balance Far-end camera control Camera control over Ethernet Focus distance 3.28 ft (1m) to infinity
Recommended Number of Participants	2 to 4 people	4 to 6 people	6 to 10 people	6 to 10 people
Video Quality	Up to 1080p60	Up to 1080p60	Up to 1080p60	Up to 1080p60
Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)
Video Standards	H.263 H.263+ H.264	H.263 H.263+ H.264	H.261 H.263 H.263+ H.264 H.265 (SIP only for H.265)	H.261 H.263 H.263+ H.264 H.265 (SIP only for H.265)
Video Frame Rate	Up to 60 fps	Up to 60 fps	Up to 60 fps	Up to 60 fps
Supported PC Resolutions (Content Sharing)	SVGA (800 x 600) to 1080p (1920 x 1080) at 30fps	SVGA (800 x 600) to 1080p (1920 x 1080) at 30fps	SVGA (800 x 600) up to 1080p (1920 x 1080) at 30fps	SVGA (800 x 600) up to 1080p (1920 x 1080) at 30fps
Software Supported	Cisco TelePresence Software Version TC 7.1.2 or later and Collaboration Endpoint Software 8.0 or later	Cisco TelePresence Software Version TC 7.0 or later and Collaboration Endpoint Software 8.0 or later	Cisco TelePresence Software Version TC 7.1.2 or later and Collaboration Endpoint Software 8.0 or later	Cisco TelePresence Software Version TC 7.1.2 or later and Collaboration Endpoint Software 8.0 or later

	MX200 G2	MX300 G2	MX700	MX800
Signaling Protocol	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs
Peripherals Supported	Touch 10 & ISDN Link	Touch 10 & ISDN Link	Touch 10 & ISDN Link	Touch 10 & ISDN Link
Bandwidth Consumption	H.323 and SIP up to 6 Mbps point-to-point MultiSite: Up to 6 Mbps total	H.323 and SIP up to 6 Mbps point-to-point MultiSite: Up to 6 Mbps total	H.323/SIP up to 10 Mbps point-to-point MultiSite: Up to 6 Mbps total	H.323/SIP up to 10 Mbps point-to-point MultiSite: Up to 6 Mbps total
Audio Standards	64- and 128-kbps AAC-LD OPUS G.722 G.722.1 G.711 G.728 G.729 AB	64- and 128-kbps AAC-LD OPUS G.722 G.722.1 G.711 G.728 G.729 AB	OPUS G.711 G.722 G.722.1 G.729AB 64 kbps and 128 kbps MPEG4 AAC-LD mono and stereo	OPUS G.711 G.722 G.722.1 G.729AB 64 kbps and 128 kbps MPEG4 AAC-LD mono and stereo
Audio Features	High quality 20 k Hz audio Three acoustic echo cancellers Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization	High quality 20 k Hz audio Three acoustic echo cancellers Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization	CD-quality 20 kHz mono and stereo Eight separate acoustic echo cancellers Eight-port audio mixer Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization	CD-quality 20 kHz mono and stereo Eight separate acoustic echo cancellers Eight-port audio mixer Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization
Suggested Use Cases	Create Flexible Workspaces	Incorporate Video into Meetings	Video Centric Meeting Space	Collaborate with External Organizations
Physical Dimensions	Cisco TelePresence MX200 G2 main unit with: • Floor stand: 55 x 39.2 x 23.7 in. (1397 x 995 x 602 mm) • Table stand: 30.7 x 39.2 x 10.2 in. (781 x 995 x 259 mm) • Wall-mount: 26.4 x 39.2 x 5.7 in. (671 x 995 x 146 mm) • Wheel base: 58.3 x 995 x 711 in. (1480 x 39.2 x 28 mm)	Cisco TelePresence MX300 G2 main unit with: • Floor stand: 59.8 x 50.3 x 26.4 in. (1518 x 1278 x 671 mm) • Wall mount: 37.3 x 50.3 x 7.9 in. (948 x 1278 x 200 mm) • Wheel base: 63.2 x 50.3 x 29.7 in. (1605 x 1278 x 755 mm)	MX700 Dimensions & Weight: • Width: 99.09" in. (251.7 cm) • Height Freestand: 64.33" in (163.4 cm) • Height Wallmount: 42.17" in (107.1 cm) • Depth Freestand: 4.76" in, 36.22" incl. ski (12.1 cm system, 92.0 cm incl. ski) • Depth Wallmount: 5.83" in (14.8 cm) • Weight Single Camera: Freestand: 339.51 lbs (154.0 kg) • Weight Dual Camera: Freestand: 352.73 lbs (160.0 kg) • Weight Single Camera: Wallmount: 357.15 lbs (162.0 kg) • Weight Dual Camera: Wallmount: 370.38 lbs (168.0 kg)	MX800 Dimensions & Weight: • Width: 62.83" in. (159.6 cm) • Height Freestand: 71.69" in (182.1 cm) • Height Wallmount: 49.52" in (125.8 cm) • Depth Freestand: 4.76" in, 36.22" incl. ski (12.1 cm system, 92.0 cm incl. Ski) • Depth Wallmount: 5.87" in (14.9 cm) • Weight Single Camera: Freestand: 244.71 lbs (111.0 kg) • Weight Dual Camera: Freestand: 257.94 lbs (117.0 kg) • Weight Single Camera: Wallmount: 240.30 lbs (109.0 kg) • Weight Dual Camera: Wallmount: 253.53 lbs (115.0 kg)
PID	CTS-MX200-K9	CTS-MX300-K9	CTS-MX700D-1CAM-K9 (single camera); CTS-MX700D-2CAM-K9 (dual camera)	CTS-MX800S-1CAM-K9 (single camera); CTS-MX800S-2CAM-K9 (dual camera)
*End of Sale				
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-mx-series/data-sheet-c78-729734.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-mx-series/data-sheet-c78-729734.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-mx-series/datasheet-c78-731263.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-mx-series/datasheet-c78-731263.html

	MX800 Dual	SX10 Quick Set	SX20 Quick Set	SX80

Feature/Functionality

	MX800 Dual	SX10 Quick Set	SX20 Quick Set	SX80
Form Factor	Dual 70-inch screen integrated system	Camera-in-codec unit with microphone and remote control; monitor not included	Camera and codec with microphone and remote control; monitor not included	Codec only, or integrator packages available with Touch control and camera options Integrator packages: · Cisco SX80 Codec, PHD 1080p 4x Camera, and Touch 10 · Cisco SX80 Codec, Precision 60 Camera, and Touch 10 · Cisco SX80 Codec, SpeakerTrack60 Microphone Array, and Touch10
Category	Collaboration Endpoints - Room System	Collaboration Endpoints - Room-based Solution	Collaboration Endpoints - Room-based Solution	Collaboration Endpoints - Room-based Solution
Key Features	Dual 70 inch LED screen system turns any medium-to-large meeting room into a video collaboration hub; large, dual screens offer a people-and-content experience, supporting up to 3 screens; comes standard with a built-in amplifier and speaker system for the ultimate high fidelity sound; true 1080p60 resolution with intelligent dual-camera speaker-tracking solution; premium resolution and dual-display support included are standard features; simple to use with Touch 10 UI; supports H.264 and H.265 Supports: · Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs · Multistreaming (switched conferencing) for enhanced layouts and video enablement on both screens of dual-screen endpoints · In-room control of peripherals from Touch 10 · New cloud registration through Cisco Spark for even faster and cost-effective deployment	SX10 Quick Set is an all-in-one unit designed to video-enable your smaller collaboration spaces; low-cost, high-quality unit combines camera and codec into a single, compact device that is mounted over your standard flat-panel display and connects through a discreet single-cable system for Power over Ethernet (PoE) Supports: · Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs · In-room control of peripherals from Touch 10 · New cloud registration through Cisco Spark for even faster and cost-effective deployment	SX20 Quick Set is designed to deliver high definition video and multiparty conferencing with the flexibility to accommodate various room sizes and configurations - all at a value price; combines a powerful codec, resolution of up to 1080p, two camera choices, and a dual-display in an easy-to-deploy and easy-to-use solution Supports: · Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs · Multistreaming (switched conferencing) for enhanced layouts and video enablement on both screens of dual-screen endpoints · In-room control of peripherals from Touch 10 · New cloud registration through Cisco Spark for even faster and cost-effective deployment	SX80 is a powerful codec platform to build large, custom video-collaboration environments; delivers up to a 1080p60 end-to-end HD video and offers industry-first support for H.265 for future bandwidth efficiencies; flexible media engine with rich input and output set; support for three screens enable a variety of use cases; integrator packages provide option for single camera or intelligent dual-camera speaker-tracking solution and Touch 10 UI; supports H.264 and H.265 Supports: · Cisco Intelligent Proximity for content sharing to mobile devices and wireless sharing from Macs and PCs · Multistreaming (switched conferencing) for enhanced layouts and video enablement on both screens of dual-screen endpoints · In-room control of peripherals from Touch 10 · New cloud registration through Cisco Spark for even faster and cost-effective deployment
Screens	Cisco TelePresence MX800 Dual · 2x 70-inch TFT-LCD monitor, edge-lit LED · Resolution: 1920 x 1080 (16:9) · Contrast ratio: Typical 4000:1 · Viewing angle: +/- 176 deg · Response time: Typical 8 ms · Brightness: 350 cd/m2	Screen not included	Screen not included	Screen not included
Camera	20x total zoom (10x optical,2x digital zoom) Motorized +20°/-20° tilt, +/-90° pan 80° horizontal field of view 48.8° vertical field of view F 1.5 Resolutions: 1080p60 and 720p60 Automatic or manual focus, brightness, and white balance Far-end camera control Camera control over Ethernet Focus distance 3.28 ft (1m) to infinity	5x zoom (2.65 optical and digital zoom) +5°/-25° tilt, +/-30° pan 51.5° vertical field of view 83° horizontal field of view F-value from 2.1 1920 x 1080 pixels progressive @ 30 fps Automatic or manual focus, brightness, and white balance Far-end camera control** Automatic flipping of picture when upside down	Two camera options: 4x optical zoom (8x with digital) 12x optical zoom Both have: 1920 x 1080 pixels progressive @ 60 fps Far-end camera control Automatic or manual focus, brightness, and white balance	Cisco offers three camera options in the SX80 Integrator Packages: SX80 Codec and PrecisionHD 1080p 4x camera for smaller room scenarios SX80 Codec and Precision 60 Camera, for lager room scenarios with the best image quality in the market SX80 and the SpeakerTrack 60 dual camera system, which features a unique direct, fast switching approach for active speaker tracking
Recommended Number of Participants	6 to 10 people	1 to 4 people	2 to 12 people	12 to 16+ people
Video Quality	Up to 1080p60	1080p30	Up to 1080p60	Up to 1080p60
Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)
Video Standards	H.261 H.263 H.263+ H.264 H.265 (SIP only for H.265)	H.263 H.263+ H.264	H.263 H.263+ H.264	H.261 H.263 H.263+ H.264 H.265

	MX800 Dual	SX10 Quick Set	SX20 Quick Set	SX80
Video Frame Rate	Up to 60 fps	Up to 30 fps	Up to 60 fps	Up to 60 fps
Supported PC Resolutions (Content Sharing)	SVGA (800 x 600) up to 1080p (1920 x 1080) at 30fps	SVGA (800 x 600) up to 1080p (1920 x 1080) at 5fps	SVGA (800 x 600) up to 1080p (1920 x 1080) at 30fps	SVGA (800 x 600) up to 1080p (1920 x 1080) at 30fps
Software Supported	Cisco TelePresence Software Version TC 7.2 or later and Collaboration Endpoint Software 8.0 or later	Cisco TelePresence Software Version TC 7.1 or later and Collaboration Endpoint Software 8.0 or later	TC 6.0 and higher and Collaboration Endpoint Software 8.0 or later	TC7.1.0 or higher and Collaboration Endpoint Software 8.0 or later
Signaling Protocol	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs	H.323 and SIP (CE8.2 or later) CUCM: SIP Cisco Spark: HTTP, REST APIs	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs
Peripherals supported	Touch 10 & ISDN Link	Cisco TelePresence Remote Control 6, Touch 10	Cisco TelePresence Remote Control, Touch 8/10 and ISDN Link PrecisionHD 4x and 12x cameras	Touch 10, ISDN Link, Precision 60 Camera, SpeakerTrack 60 Camera
Bandwidth Consumption	H.323/SIP up to 10 Mbps point-to-point MultiSite: Up to 6 Mbps total	Up to 3 Mbps	H.323/SIP up to 6 Mbps point-to-point MultiSite: Up to 6 Mbps total	H.323/SIP up to 6 Mbps point-to-point MultiSite: Up to 6 Mbps total
Audio Standards	OPUS G.711 G.722 G.722.1 G.729AB 64 kbps and 128 kbps MPEG4 AAC-LD mono and stereo	64 kbps MPEG4 AAC-LD OPUS G.722 G.722.1 G.711 G.729ab G.729	G.711 G.722 G.722.1 G.728 G.729ab 64 kbps and 128 kbps AAC-LD mono and stereo OPUS	G.711 G.722 G.722.1 G.729AB 64 kbps and 128 kbps MPEG4 AAC-LD mono and stereo
Audio Features	CD-quality 20 kHz mono and stereo Eight separate acoustic echo cancellers Eight-port audio mixer Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization	High-quality 20-kHz mono Two acoustic echo cancellers Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization	CD-quality 20 KHz mono and stereo Two acoustic echo cancellers Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization	CD-quality 20 kHz mono and stereo Eight separate acoustic echo cancellers Eight-port audio mixer Eight assignable equalizers Automatic Gain Control (AGC) Automatic noise reduction Active lip synchronization
Suggested Use Cases	Extended Collaboration	Collaborative Meeting Spaces	Support Teleworkers and Branch Offices	Briefing or Training Rooms
Physical Dimensions	MX800 Dual Dimensions & Weight: · Width: 124.77" in. (316.9 cm) · Height Freestand: 71.69"" in (182.1 cm) · Height Wallmount: 49.52"" in (125.8 cm) · Depth Freestand: 4.76"" in, 36.22" incl. ski (12.1 cm system, 92.0 cm incl. ski) · Depth Wallmount: 5.87" in (14.9 cm) · Weight Dual Camera: Freestand: 467.38 lbs (212.0 kg) · Weight Dual Camera: Wallmount: 493.84 lbs (224.0 kg)	SX10 Codec Dimensions: · Width: 10.8 inches (27.5 cm) · Height: 4.6 inches (11.7 cm) · Depth: 3.6 inches (9.1 cm) (with max tilt downward on camera) · Weight: 2.0 pounds (0.9 kg)	SX20 Codec Dimensions: · Width: 11.8 inches (30.0 cm) · Height: 1.4 inches (3.4 cm) · Depth: 7.1 inches (18.0 cm) · Weight: 3.1 pounds (1.4 kg)	· Length: 17.4 in. (44.2 cm) · Height: 1.7 in (4.4 cm) · Depth: 12.2 in. (30.98 cm) · Weight: 8.05 lbs. (3.65 kg)
PID	CTS-MX800D-2CAM-K9 (dual camera)	CTS-SX10N-K9	CTS-SX20N-P40-K9 (SX20 Quick Set 4x); CTS-SX20N-12X-K9 (SX20 Quick Set 12x); CTS-SX20-PHD4X-K9 (SX20 QuickSet 4x); CTS-SX20-PHD12X-K9 (SX20 QuickSet 12x)	CTS-SX80-K9 (SX80 Codec); CTS-SX80-IP40-K9 (SX80 with 4x camera & touch10); CTS-SX80-IP60-K9 (SX80 with P60 & Touch10); CTS-SX80-IPST60-K9 (SX80 with SpeakerTrack 60 & Touch10)
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-mx-series/datasheet-c78-731263.html?cachemode=refresh	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-quick-set-series/datasheet-c78-731274.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-sx20-quick-set/data_sheet_c78-688342.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-quick-set-series/datasheet-c78-731242.html

	DX650	DX70	DX80	EX90
Feature/Functionality				
Form Factor				
Category	Collaboration Endpoints – Desk	Collaboration Endpoints – Desk	Collaboration Endpoints – Desk	Collaboration Endpoints – Desk
Key Features	Compact 7 inch 16:9 display HD voice and video Security Enhanced Android operating system Access to applications include Cisco WebEx and Cisco Jabber Multiuser log-in and extension mobility Intelligent Proximity for Mobile Voice	Midsize 14 inch 16:9 display with intuitive touchscreen HD voice and video Ability to share PC/Mac content while in meetings or use as an external monitor New cloud registration through Cisco Spark for even faster and cost-effective deployment	Large 23 inch 16:9 display with intuitive touchscreen HD voice and video Ability to share PC/Mac content while in meetings or use as an external monitor New cloud registration through Cisco Spark for even faster and cost-effective deployment	24 inch HD display; all-in-one device to work, meet, and collaborate; Cisco TelePresence PrecisionHD camera enables video; integration with Cisco Unified Communications Manager; Cisco TelePresence Touch 8 allows for simple control
Screens	Display: 7 inch diagonal; backlit, WSVGA capacitive touchscreen LCD with 1024 x 600 pixel effective resolution	Display: 14-inch LCD monitor Resolution: 1920 x 1080 (16:9) AHVA display technology Contrast ratio: 700:1 (typ.) Viewing cone: 89/89/89/89 Response time: 25ms Brightness: 300 cd/m2 (5 points avg.) 10-point multi-touch surface with capacitive sensing	Display: 23-inch (0.58m) LCD monitor Resolution: 1920 x 1080 (16:9) High contrast IPS LED panel Contrast ratio: 1000:1 (typ.) Viewing angle: +/-178 deg (typ.) Response time: 5ms (typ.) Brightness: 215 cd/m2 (typ.) Color depth: 16.7 million colors Color gamut 72% (of NTSC) 10 point multi-touch surface	Display: 24-in. LCD monitor Resolution: 1920 x 1200 (16:10) Contrast ratio: 1000:1 Viewing angle: 160° Response time: 5 ms Brightness: 300cd/m2 5°-15° tilt
Camera	With an integrated privacy screen slide switch, you can mechanically disable video transmission 75.0° diagonal field of view 67.4° horizontal field of view	Front camera: 63° horizontal field of view 38° vertical field of view Resolution: 1080p30 F 2.2 Instant Focus based on face detection Privacy shutter	Front Camera: 63° horizontal field of view 38° vertical field of view Resolution: 1080p30 F 2.2 Instant Focus based on face detection Privacy shutter	Cisco TelePresence PrecisionHD design Resolutions: 1080p30 and 720p60 Auto focus Integrated privacy shutter Document camera mode Multicoated all-glass optics 1/3-in., 2.1 megapixel CMOS sensor Horizontal field of view: 45°-65° Vertical field of view: 40°-27° Focus distance 0.3-infinity Optical, motorized zoom
Recommended Number of Participants	1	1	1-2	1-2
Video Quality	HD video with H.264 and AVC video calling up to 1080p at 30 fps	HD video with H.264 and AVC video calling up to 1080p at 30 fps	HD video with H.264 and AVC video calling up to 1080p at 30 fps	HD video with H.264 and AVC video calling up to 1080p at 30 fps
Resolution	High-resolution Widescreen Super Video Graphics Array (WSVGA) has 1024 x 600 pixel effective resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1200 (16:10)
Video Standards	SIP only. H.264 and AVC (H.264/MPEG-4 Part 10 Advanced Video Coding)	H.263 H.263+ H.264	H.263 H.263+ H.264	H.261 H.263 H.263+ H.264
Video Frame Rate	30 fps	30 fps	30 fps	30 fps
Supported PC Resolutions	· 1920 x 1200 (WUXGA) · 1920 x 1080 (HD 1080p) · 1680 x 1050 (WSXGA+) · 1600 x 1200 (UXGA) · 1280 x 1024 (SXGA) · 1280 x 720 (HD 720p) · 1152 x 864 (XGA+) · 1024 x 768 (XGA)	SVGA (800 x 600) up to 1080p (1920 x 1080) at 60fps	SVGA (800 x 600) up to 1080p (1920 x 1080) at 60fps	SVGA (800 x 600) to WUXGA (1920 x 1200)
Software Supported	DX Firmware 10.2.5	DX Firmware 10.2.5 and Collaboration Endpoint Software 8.2	DX Firmware 10.2.5 and Collaboration Endpoint Software 8.2	Cisco TelePresence Software Version TC3.1 (EX90) and TC4.0 (EX60) or later, or TE 6.0
Signaling Protocol	CUCM: SIP	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs	VCS: H.323 and SIP CUCM: SIP Cisco Spark: HTTP, REST APIs	VCS: H.323 and SIP CUCM: SIP

	DX650	DX70	DX80	EX90
Peripherals Supported	Wideband audio handsets as well as a Bluetooth or USB headset, keyboard, and mouse	Analog headset Wideband audio handset as well as USB headset	Wideband audio handset as well as USB headset	
Bandwidth Consumption	700k-1Mbps for 720p30	1 Mbps for 720p30 2 Mbps for 1080p30	1 Mbps for 720p30 2 Mbps for 1080p30	H.323/SIP up to 6 Mbps point-to-point
Audio Standards	Enhanced wideband audio support (through G.722 or Internet Speech Audio Codec [iSAC] codecs) using the handset, headset, or speakerphone	64 kbps MPEG4 AAC-LD OPUS G.722 G.722.1 G.711mu G.711a G.729ab G.729	64 kbps MPEG4 AAC-LD OPUS G.722 G.722.1 G.711mu G.711a G.729ab G.729	G.711 G.722 G.722.1 128 kbps MPEG4 AAC-LD
Audio Features	The speakerphone is capable of integrated full-duplex wideband audio The 0.14-in. (3.5-mm) stereo headset jack also supports optional headphones or external speakers	In-call audio features: Up to 16kHz sampling rate 100 Hz – 15 kHz loudspeaker frequency response Automatic static noise reduction Acoustic echo cancellers Automatic Gain Control (AGC) Active lip synchronization	Loudspeaker frequency range: 70Hz – 20kHz Microphones frequency range: 100z – 20kHz Up to 48kHz sampling rate Automatic static noise reduction Acoustic echo cancellers Automatic Gain Control (AGC) Active lip synchronization	CD-quality 20-kHz stereo Acoustic echo canceling Automatic gain control Automatic noise reduction Active lip synchronization
Suggested Use Cases	Hot Desking	Incorporate Video into Meetings	Support Teleworkers and Branch Offices	Locate and Access Remote Experts
Physical Dimensions	Typical desktop configuration with handset and foot stand: 8.46 x 10.35 x 8.19 in. (21.5 x 26.3 x 20.8 cm) Wall-mount configuration with wall plate and handset (foot stand removed): 11.63 x 10.35 x 3.74 in. (29.5 x 26.3 x 9.5 cm)	14.84 x 13.91 x 2.45 in. (377.1mm x 353.1mm x 62.3mm)	20.2 x 22.2 x 3.5 in. (51.2 x 56. 5 x 8.9 cm)	Main unit: 21.4 x 22.3 x 6.8 in. (54.5 x 56.7 x 17.3 cm) Cisco TelePresence Touch 8: 1.7 x 9.0 x 5.7 in. (4.4 x 22.8 x 14.5 cm) Cisco TelePresence Touch 8 with handset: 3.0 x 11.4 x 7.4 in. (7.7 x 29.0 x 18.7 cm) Cable length: 47 in. (120 cm)
PID	CP-DX650-K9= (grey) CP-DX650-K9-W (white)	CP-DX70-W-K9= CP-DX70-W-K9++= CP-DX70-W-NR-K9= CP-DX70-W-NR-K9++=	CP-DX80-K9= CP-DX80-K9++= CP-DX80-NR-K9= CP-DX80-NR-K9++=	CTS-EX90-K9
*End of Sale				
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/desktop-collaboration-experience-dx650/data_sheet_c78-726888.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/desktop-collaboration-experience-dx600-series/datasheet-listing.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/desktop-collaboration-experience-dx600-series/datasheet-listing.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-system-ex-series/data_sheet_c78-627494.html

	IX5000	IX5200
Feature/Functionality		
Form Factor		
Category	Collaboration Endpoints - TelePresence	Collaboration Endpoints - TelePresence
Key Features	Cisco IX5000 is the state-of-the-art triple-screen system combining high fidelity audio/video and rich collaboration functionality for the most vivid immersive collaboration experience possible. As the first single-codec, H.265 triple-screen product, the IX5000 is both powerful and efficient. The system is designed for high value and flexibility for deployment beyond the boardroom. The IX5000 features a single row of seats up to 6 people and supports Intelligent Proximity for content sharing to iOS and Android mobile devices (requires IX 8.1 software).	Cisco IX5200 is the state-of-the-art triple-screen system combining high fidelity audio/video and rich collaboration functionality for the most vivid immersive collaboration experience possible. As the first single-codec, H.265 triple-screen product, the IX5000 is both powerful and efficient. The system is designed for high value and flexibility for deployment beyond the boardroom. The IX5200 features a dual row of seats up to 18 people and supports Intelligent Proximity for content sharing to iOS and Android mobile devices (requires IX 8.1 software).
Screens	Three 70-inch HD screens	Three 70-inch HD screens
Camera	Cisco TelePresence UHD Camera: · CMOS 1/2.3-inch sensor · M12 mount lens · 2160p, 60 fps · Minimum vertical illumination 200 lux · Fixed focus	Cisco TelePresence UHD Camera: · CMOS 1/2.3-inch sensor · M12 mount lens · 2160p, 60 fps · Minimum vertical illumination 200 lux · Fixed focus
Recommended Number of Participants	6 people	Up to 18 people
Video Quality	Up to 1080p	Up to 1080p
Resolution	Video resolution: native support up to 1920 x 1080p, 60 fps	Video resolution: native support up to 1920 x 1080p, 60 fps
Video Standards	SIP, H.264, H.265, TIP, BFCP	SIP, H.264, H.265, TIP, BFCP
Video Frame Rate	Up to 60 fps using H.264 and H.265	Up to 60 fps using H.264 and H.265
Supported PC Resolutions (Content Sharing)	Content sharing up to 1920 x 1080p resolution, 30 fps	Content sharing up to 1920 x 1080p resolution, 30 fps
Software Supported	Cisco TelePresence System Software IX8.0.1 or later	Cisco TelePresence System Software IX8.0.1 or later
Signaling Protocol	Cisco Discovery Protocol, Session Initiation Protocol (SIP), IP, Dynamic Host Configuration Protocol (DHCP), Secure Shell (SSH) Protocol, 802.1p/q, Real-Time Transport Protocol (RTP) and Secure RTP (SRTP), Telepresence Interoperability Protocol (TIP), H.264, H.265 and Binary Floor Control Protocol (BFCP)	Cisco Discovery Protocol, Session Initiation Protocol (SIP), IP, Dynamic Host Configuration Protocol (DHCP), Secure Shell (SSH) Protocol, 802.1p/q, Real-Time Transport Protocol (RTP) and Secure RTP (SRTP), Telepresence Interoperability Protocol (TIP), H.264, H.265 and Binary Floor Control Protocol (BFCP)
Peripherals Supported	Touch 10	Touch 10
Bandwidth Consumption	Minimal requirement – 720p, 30 fps at 1.8 Mbps (H265) or 3 Mbps (H.264) Maximum requirement – 1080p, 60 fps at 10.8 Mbps (H.265) or 18 Mbps (H.264)	Minimal requirement – 720p, 30 fps at 1.8 Mbps (H265) or 3 Mbps (H.264) Maximum requirement – 1080p, 60 fps at 10.8 Mbps (H.265) or 18 Mbps (H.264)
Audio Standards	G.711/G722 and AAC-LD (22 kHz)	G.711/G722 and AAC-LD (22 kHz)
Audio Features	Cisco Dynamic Echo Cancellation for spatial audio 18 discrete microphones	Cisco Dynamic Echo Cancellation for spatial audio 54 discrete microphones
Suggested Use Cases	Immersive Rooms	Immersive Rooms
Physical Dimensions	IX5000, 6-seat: 6' x 15' x 9'6" (1.8 x 4.6 x 2.9m)	IX5200, 18-seat: 6' x 25'11" x 17' (1.8 x 7.9 x 5.2m)
PID	· 6 seat system: CTS-IX5000 · Hickory (default): CTS-5K-TBL-H-6S · Walnut: CTS-5K-TBL-W-6S	· 18 seat system: CTS-IX5200 · Hickory (default): CTS-5K-TBL-H-18S · Walnut: CTS-5K-TBL-W-18S
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/ix5000-series/datasheet-c78-733257.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/ix5000-series/datasheet-c78-733257.html

	3900 Series	3900 Series	6900 Series	6900 Series	7800 Series	7800 Series
		3905		6901		7811
Feature/Functionality						
Intergral Switch		10/100		No		10/100
Display		128 x 32 pixel-based, graphical monochrome LCD without backlit		No		384 x 106 pixel-based, anti-glare graphical monochrome display
Integrated Video		No		No		No
Touch Screen		No		No		No
Speakerphone		Yes		No		Yes (Narrowband)
Number of Line keys		1		1		0
Programmable (Soft) keys		0		No		4
Fixed Feature Keys		8		4		11 (No headset audio key)
Advanced Features						Wideband audio available with purchase of wideband handset; Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment
Handsfree		Yes		No		Yes
Message Waiting Indication		Yes		Yes		Yes
Third Party XML Support		No		No		Yes
Headset Port		No		No		No
Signaling Protocal		SIP		SCCP and SIP		SIP
802-3AF		Yes		Yes		Yes
Cisco Power		N/A		No		No
PoE Classification		Class 1		Class 1		Class 1
DHCP		Yes		Yes		Yes
802-1p/q		Yes		Yes		Yes
Codecs		G.711a, G.711μ, G.729, G.729a, and G.729b		G.711a, G.711u, G.729a, G.729b, and G.729ab. and Internet Low Bitrate Codec (iLBC)		G.711a/μ, G.722, G.729a, iLBC and OPUS
Supported Cisco Call Control Platform(s)		CUCM 7.1(5) or later CUCMBE3000 - 8.6 CUCMBE5000 - 8.5 CUCMBE6000 - 8.5		CUCM 7.1(3) and later		CUCM: 8.5.1, 8.62, 9.1.2, 10x and later Bus. Edition: 8.6.2 HCS: 9.1.2 Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-78xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)
UC Manager Encryption Support (TLS/SRTP)		No		Yes		Yes
Notes						FIPS 140-2 Level 1: Requires Phone OS 11.5 or later
PID		CP-3905=		CP-6901-C-K9=, CP-6901-CL-K9= CP-6901-W-K9=, CP-6901-WL-K9=		CP-7811-K9= CP-7811-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)
Datasheet URL	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-sip-phone-3900-series/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-sip-phone-3905/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-6900-series/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-6901/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-7800-series/index.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/unified-ip-phone-7800-series/data-sheet-c78-729488.html

	7800 Series	7800 Series	7800 Series	7900 Series	7900 Series
	7821	7841	7861		7916 Expansion Module
Feature/Functionality					
Intergral Switch	10/100	10/100/1000	10/100		N/A
Display	396 x 162 pixel-based, anti-glare graphical monochrome display with white backlight	396 x 162 pixel-based, anti-glare graphical monochrome display with white backlight	396 x 162 pixel-based, anti-glare graphical monochrome display with white backlight		4.3" graphical (TFT) backlit (480 x 272) 16- bit color
Integrated Video	No	No	No		N/A
Touch Screen	No	No	No		
Speakerphone	Yes	Yes	Yes		
Number of Line keys	2	4	16		24 (12 buttons, 2 display pages)
Programmable (Soft) keys	4	4	4		
Fixed Feature Keys	11	11	11		
Advanced Features	Multi-call per-line appearance Full Wideband Audio Electronic Hookswitch Support (Through AUX Port); Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment	Multi-call per-line appearance Full Wideband Audio Electronic Hookswitch Support (Through AUX Port); Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment	Multi-call per-line appearance Full Wideband Audio Electronic Hookswitch Support (Through AUX Port); Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment		
Handsfree	Yes	Yes	Yes		
Message Waiting Indication	Yes	Yes	Yes		
Third Party XML Support	Yes	Yes	Yes		
Headset Port	Yes	Yes	Yes		
Signaling Protocal	SIP	SIP	SIP		SCCP/SIP (with appropriate UCM firmware release)
802-3AF	Yes	Yes	Yes		
Cisco Power	No	No	No		
PoE Classification	Class 1	Class 1	Class 1		
DHCP	Yes	Yes	Yes		
802-1p/q	Yes	Yes	Yes		
Codecs	G.711a, G.711u, G.729a, G.729b, G.729ab, G.722, Internet Low Bitrate Codec (iLBC) and OPUS	G.711a, G.711u, G.729a, G.729b, G.729ab, G.722, Internet Low Bitrate Codec (iLBC) and OPUS	G.711a, G.711u, G.729a, G.729b, G.729ab, G.722, Internet Low Bitrate Codec (iLBC) and OPUS		
Supported Cisco Call Control Platform(s)	CUCM: 8.5.1, 8.62, 9.1.2, 10x and later Bus. Edition: 8.6.2 HCS: 9.1.2 Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-78xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)	CUCM: 8.5.1, 8.62, 9.1.2, 10x and later Bus. Edition: 8.6.2 HCS: 9.1.2 Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-78xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)	CUCM: 8.5.1, 8.62, 9.1.2, 10x and later Bus. Edition: 8.6.2 HCS: 9.1.2 Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-78xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)		
UC Manager Encryption Support (TLS/SRTP)	Yes	Yes	Yes		N/A
Notes	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later		
PID	CP-7821-K9= (Charcoal); CP-7821-W-K9= (White); CP-7821-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)	CP-7841-K9= (Charcoal); CP-7841-W-K9= (White); CP-7841-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)	CP-7861-K9= (Charcoal); CP-7861-W-K9= (White); CP-7861-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)		CP-7916=
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/unified-ip-phone-7800-series/data-sheet-c78-729488.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/unified-ip-phone-7800-series/data-sheet-c78-729488.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/unified-ip-phone-7800-series/data-sheet-c78-729488.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-7900-series/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-expansion-module-7916/index.html

	7900 Series	7900 Series	7900 Series	8800 Series	8800 Series
	7945G	7965G	7975G		8811
Feature/Functionality					
Intergral Switch	10/100/1000	10/100/1000	10/100/1000		10/100/1000
Display	5.0" (12.7 cm), graphical, 320 x 240, backlit, 16-bit, color	5.0" (12.7 cm), graphical, 320 x 240, backlit, 16-bit, color	5.6" (14.2.cm), graphical, 320 x 240, backlit, 16-bit, color with touch screen		5" (800 x 480) monochrome display with white backlight
Integrated Video	No	No	No		No
Touch Screen	No	No	Yes		No
Speakerphone	Yes	Yes	Yes		Yes
Number of Line keys	2 - lighted	6 - lighted	8 - lighted		5
Programmable (Soft) keys	4 soft keys, 2 line keys for use as lines, or as a line plus a speed dial or PLK	4 soft keys, 6 line keys for use as lines, speed dials or PLKs	5 soft keys, 8 line keys for use as lines, speed dials or PLKs		4
Fixed Feature Keys	10	10	10		12
Advanced Features	High-resolution and many infrastructure integration options; support of Headset Hookswitch Control	High-resolution and many infrastructure integration options; support of Headset Hookswitch Control; key Expansion Module support with up to 2 7914s, 7915s or 7916s	High-resolution and many infrastructure integration options; key Expansion Module support with up to 2 7914s, 7915s or 7916s; Support of Headset Hookswitch Control		Gig Ethernet, Wideband Audio; Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment
Handsfree	Yes, Wideband support	Yes, Wideband support	Yes, Wideband support		Yes
Message Waiting Indication	Yes	Yes	Yes		Yes
Third Party XML Support	Yes	Yes	Yes		Yes
Headset Port	Yes, Wideband support	Yes, Wideband support	Yes, Wideband support		Yes, Wideband Support
Signaling Protocal	SCCP/SIP	SCCP/SIP	SCCP/SIP		SIP
802-3AF	Yes	Yes	Yes		Yes
Cisco Power	No	No	No		No
PoE Classification	Class 3	Class 3	Class 3		Class 2
DHCP	Yes	Yes	Yes		Yes
802-1p/q	Yes	Yes	Yes		Yes
Codecs					G.711a, G.711u, G.729a, G.729b, G.729ab, iSAC, Internet Low Bitrate Codec (iLBC) and OPUS
Supported Cisco Call Control Platform(s)	CUCM 4.1 and later	CUCM 4.1 and later	CUCM 4.1 and later		CUCM: 8.5.1 (non-secured mode), 8.6.2, 9.1.2, 10.0 and later Bus. Edition: 8.6.2, 9.1.2, 10.0 and laterHCS: 8.6.2 and later Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-88xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)
UC Manager Encryption Support (TLS/SRTP)	Yes	Yes	Yes		Yes
Notes					FIPS 140-2 Level 1: Requires Phone OS 11.5 or later
PID	CP-7945G	CP-7965G	CP-7975G		CP-8811-K9= (Charcoal); CP-8811-W-K9= (White); CP-8811-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)
Datasheet URL	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-7945g/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-7965g/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-7975g/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-8800-series/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/ip-phone-8811/index.html

	8800 Series	8800 Series	8800 Series	8800 Series
	8841	8845	8851	8861
Feature/Functionality				
Intergral Switch	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Display	5" high-resolution (800 x 480) WVGA color display	5" high-resolution (800 x 480) WVGA color display	5" high-resolution (800 x 480) WVGA color display	5" high-resolution (800 x 480) WVGA color display
Integrated Video	No	Yes - 720p HD, H.264 AVC Camera: 80 degree FOV, 25 degree tilt up/down; manual shutter (privacy)	No	No
Touch Screen	No	No	No	No
Speakerphone	Yes	Yes	Yes	Yes
Number of Line keys	5	5	5	5
Programmable (Soft) keys	4	4	4	4
Fixed Feature Keys	12	12	12	12
Advanced Features	Gig Ethernet, Wideband Audio; Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment	Gigabit Ehternet, Wideband Audio, Cisco Intelligent Proximity for Mobile Voice; Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment	Gigabit Ehternet, Wideband Audio, Cisco Intelligent Proximity for Mobile Voice, USB Charging of Smartphone and Tablets, IP Phone 8800 Key Expansion Module - Up to 2; Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment	Gigabit Ehternet, Wideband Audio, Cisco Intelligent Proximity for Mobile Voice, USB Charging of Smartphone, IP Phone 8800 Key Expansion Module - Up to 3, 802.11a/b/g/n/ac Wi-Fi; Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment
Handsfree	Yes	Yes	Yes	Yes
Message Waiting Indication	Yes	Yes	Yes	Yes
Third Party XML Support	Yes	Yes	Yes	Yes
Headset Port	Yes - Wideband Support	Yes - Wideband Support	Yes - Wideband Support	Yes - Wideband Support
Signaling Protocal	SIP	SIP Other Protocols Supported: Bluetooth	SIP Other Protocols Supported: USB (1 port) Bluetooth and Non-Bluetooth versions available	SIP Other Protocols Supported: USB (2 ports) Bluetooth
802-3AF	Yes	Yes	Yes	Yes
Cisco Power	No	No	No	No
PoE Classification	Class 2	Class 2	Class 3	Class 4
DHCP	Yes	Yes	Yes	Yes
802-1p/q	Yes	Yes	Yes	Yes
Codecs	G.711a, G.711u, G.729a, G.729b, G.729ab, iSAC, Internet Low Bitrate Codec (iLBC) and OPUS	G.711a, G.711u, G.729a, G.729b, G.729ab, iSAC, Internet Low Bitrate Codec (iLBC) and OPUS	G.711a, G.711u, G.729a, G.729b, G.729ab, iSAC, Internet Low Bitrate Codec (iLBC) and OPUS	G.711a, G.711u, G.729a, G.729b, G.729ab, iSAC, Internet Low Bitrate Codec (iLBC) and OPUS
Supported Cisco Call Control Platform(s)	CUCM: 8.5.1 (non-secured mode), 8.6.2, 9.1.2, 10.0 and later Bus. Edition: 8.6.2, 9.1.2, 10.0 and later HCS: 8.6.2 and later Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-88xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)	CUCM: 8.5.1 (non-secured mode), 8.6.2, 9.1.2, 10.0 and later Bus. Edition: 8.6.2, 9.1.2, 10.0 and later HCS: 8.6.2 and later Cisco Spark: Requires Spark Phone OS 11.0 or later	CUCM: 8.5.1 (non-secured mode), 8.6.2, 9.1.2, 10.0 and later Bus. Edition: 8.6.2, 9.1.2, 10.0 and later HCS: 8.6.2 and later Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-88xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)	CUCM: 8.5.1 (non-secured mode), 8.6.2, 9.1.2, 10.0 and later Bus. Edition: 8.6.2, 9.1.2, 10.0 and later HCS: 8.6.2 and later Cisco Spark: Requires Spark Phone OS 11.0 or later Multiplatform Phones: Phone Firmware cp-88xx-sp-10-3-1-1-3PCC and later (Cisco approved providers)
UC Manager Encryption Support (TLS/SRTP)	Yes	Yes	Yes	Yes
Notes	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later
PID	CP-8841-K9= (Charcoal); CP-8841-W-K9= (White); CP-8841-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)	CP-8845-K9= (Charcoal); CP-8845-W-K9= (White)	CP-8851-K9= (Charcoal); CP-8851-W-K9= (White); CP-8851-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)	CP-8861-K9= (Charcoal); CP-8861-W-K9= (White); CP-8861-3PCC-K9= Multiplatform Phone: (Cisco approved Service Providers)
Datasheet URL	http://www.cisco.com/c/en/us/products/collaboration-endpoints/ip-phone-8841/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/ip-phone-8845/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/ip-phone-8851/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/ip-phone-8861/index.html

	8800 Series	8800 Series	8800 Series	8800 Series
	8865	8821	8821-EX	8831 Conference Station
Feature/Functionality				
Intergral Switch	10/100/1000	No	No	No
Display	5" high-resolution (800 x 480) WVGA color display	2.4" (6 cm) high-resolution color, graphical 240 x 320 pixel display	2.4" (6 cm) high-resolution color, graphical 240 x 320 pixel display	396 x 162 pixel-based, anti-glare graphical monochrome display with white backlight
Integrated Video	Yes - 720p HD, H.264 AVC Camera: 80 degree FOV, 25 degree tilt up/down; manual shutter (privacy)	No	No	No
Touch Screen	No	No	No	No
Speakerphone	Yes	Yes	Yes	Yes
Number of Line keys	5	6	6	1 line
Programmable (Soft) keys	4	2	2	4
Fixed Feature Keys	12	6	6	9
Advanced Features	Gigabit Ehternet, Wideband Audio, Cisco Intelligent Proximity for Mobile Voice, USB Charging of Smartphone, IP Phone 8800 Key Expansion Module - Up to 3, 802.11a/b/g/n/ac Wi-Fi; Mobile Remote Access without a VPN client through Cisco Expressway; New cloud registration through Cisco Spark for even faster and cost-effective deployment	Wideband Audio Rechargeable Batteries - Talk Time 13 hours; 240 Standby Ingress Protection Rating: IP67 MIL-STD 810G Fast Transition (802.11r) Simple Certificate Enrollment Protocol (SCEP)	Wideband Audio Rechargeable Batteries - Talk Time 13 hours; 240 Standby Ingress Protection Rating: IP67 MIL-STD 810G Fast Transition (802.11r) Simple Certificate Enrollment Protocol (SCEP) Atmospheres Explosibles (ATEX) Class 1, Zone 2 CSA Division 1, Class 22	Optional wired or wireless Digital Equipment Cordless Telephony (DECT) microphone kit Daisy-Chain Configuration
Handsfree	Yes	Yes	Yes	Yes Speakerphone
Message Waiting Indication	Yes	Yes	Yes	No
Third Party XML Support	Yes	Yes	Yes	Yes
Headset Port	Yes - Wideband Support	Yes (3.5mm headset jack)	Yes (3.5mm headset jack)	No
Signaling Protocal	SIP Other Protocols Supported: USB (2 ports) Bluetooth	SIP Other Protocols Supported: USB (1 port) Bluetooth	SIP Other Protocols Supported: USB (1 port) Bluetooth	SIP
802-3AF	Yes	N/A	N/A	Yes
Cisco Power	No	N/A	N/A	No
PoE Classification	Class 4	N/A	N/A	Class 3
DHCP	Yes	Yes	Yes	Yes
802-1p/q	Yes	N/A	N/A	Yes
Codecs	G.711a, G.711u, G.729a, G.729b, G.729ab, iSAC, Internet Low Bitrate Codec (iLBC) and OPUS	G.711a, G.711u, G.729a, G.729ab, G.722, Internet Low Bitrate Codec (iLBC), WAV and iSAC	G.711a, G.711u, G.729a, G.729ab, G.722, Internet Low Bitrate Codec (iLBC), WAV and iSAC	G.711a, G.711u, G.722, G.729a, G.729b, G.729ab, iLBC and OPUS
Supported Cisco Call Control Platform(s)	CUCM: 8.5.1 (non-secured mode), 8.6.2, 9.1.2, 10.0 and later Bus. Edition: 8.6.2, 9.1.2, 10.0 and later HCS: 8.6.2 and later Cisco Spark: Requires Spark Phone OS 11.0 or later	Cisco Unified Communications Manager: 9.1(2), 10.5(2), 11.0(1), and later · Cisco Unified Survivable Remote Site Telephony (SRST): 10.x, 11.x, and later · Cisco Unified Communications Manager Express: 10.x, 11.x, and later · Cisco Hosted Collaboration Solution (HCS): 9.x, 10.x, 11.x, and later	Cisco Unified Communications Manager: 9.1(2), 10.5(2), 11.0(1), and later · Cisco Unified Survivable Remote Site Telephony (SRST): 10.x, 11.x, and later · Cisco Unified Communications Manager Express: 10.x, 11.x, and later · Cisco Hosted Collaboration Solution (HCS): 9.x, 10.x, 11.x, and later	CUCM 7.1(5), 8.5(1), 8.6(2), 9.0 and later Bus. Edition: 8.6(5) and later HCS: 8.6(2) and later CME: 10.0 and above. On IOS 15.4(1)T with fast track support. Third Party Call Control
UC Manager Encryption Support (TLS/SRTP)	Yes	Yes	Yes	Yes
Notes	FIPS 140-2 Level 1: Requires Phone OS 11.5 or later		Available CY Fall 2016	
PID	CP-8865-K9= (Charcoal); CP-8865-W-K9= (White)	CP-8821-K9-BUN: (includes phone in world mode, battery, power cord, power adapter and country clip); CP-8821-K9= 8821 handset world mode only	Available CY Fall 2016	CP-8831-K9=
Datasheet URL	http://www.cisco.com/c/en/us/products/collaboration-endpoints/ip-phone-8865/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/wireless-ip-phone-8821/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/wireless-ip-phone-8821-ex/index.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-conference-phone-8831/index.html

	8800 Series	SPA300 Series	SPA300 Series	SPA300 Series	SPA500
	IP Phone 8800 Key Expansion Module for 8851 & 8861		SPA301	SPA303	
Feature/Functionality					
Intergral Switch			No	Yes: 10/100	
Display	4.3-inch graphical (TFT) color display provides 16-bit color depth and 480 x 272 effective pixel resolution, with backlight		N/A	128 x 64 pixel	
Integrated Video	N/A				
Touch Screen					
Speakerphone					
Number of Line keys			N/A	3	
Programmable (Soft) keys			0	4	
Fixed Feature Keys			4	7	
Advanced Features			TFTP, HTTP, HTTPS, provisioning	TFTP, HTTP, HTTPS, provisioning	
Handsfree			No	Yes: Speakerphone	
Message Waiting Indication			Yes	Yes	
Third Party XML Support			N/A	Yes	
Headset Port			No	Yes: 2.5mm	
Signaling Protocal			SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP , ICMP , DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP , ICMP , DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP	
802-3AF	802.3at PoE		No	No	
Cisco Power			No	No	
PoE Classification			No	N/A	
DHCP			Yes: 66, 150, 159, 160	Yes: 66, 150, 159, 160	
802-1p/q			Yes	Yes	
Codecs			G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	
Supported Cisco Call Control Platform(s)					
UC Manager Encryption Support (TLS/SRTP)			Yes	Yes	
Notes					
PID	CP-BEKEM= (Charcoal); CP-BEKEM-W= (White)		SPA301-G1 (North America power adapter); SPA301-G2 (Europe power adapter); SPA301-G3 (UK power adapter); SPA301-G4 (Australia power adapter)	SPA303-G1 (North America power adapter); SPA303-G2 (Europe power adapter); SPA303-G3 (UK power adapter); SPA303-G4 (Australia power adapter)	
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/ip-phone-8800-series-key-expansion-module/datasheet-c78-732356.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/small-business-spa300-series-ip-phones/index.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa300-series-ip-phones/data_sheet_c78-601647.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa300-series-ip-phones/data_sheet_c78-601648.html	http://www.cisco.com/c/en/us/products/collaboration-endpoints/small-business-spa500-series-ip-phones/index.html

	SPA500 Series	SPA500 Series	SPA500 Series	SPA500 Series	SPA500 Series
	SPA500S	SPA500DS	SPA501G	SPA502G	SPA504G
Feature/Functionality					
Intergral Switch	N/A	N/A	Yes: 10/100	Yes: 10/100	Yes: 10/100
Display	N/A	128 x 320 pixel (backlit)	N/A	128 x 64 pixel (backlit)	128 x 64 pixel (backlit)
Integrated Video					
Touch Screen					
Speakerphone					
Number of Line keys	0	0 (coming in future release)	8	N/A	4
Programmable (Soft) keys	32	15 (second page to make 30 keys)	0	4	4
Fixed Feature Keys	0	0	11	7	7
Advanced Features	Provides call pickup (CP), speed dial (SD), and busy lamp field (BLF) support via XML configuration	Providescallpickup (CP), speed dial (SD), and busy lamp field (BLF) support via XML configuration	TFTP, HTTP, HTTPS, provisioning	TFTP, HTTP, HTTPS, provisioning	TFTP, HTTP, HTTPS, provisioning
Handsfree	N/A	N/A	Yes: Speakerphone	Yes: Speakerphone	Yes: Speakerphone
Message Waiting Indication	N/A	N/A	Yes	Yes	Yes
Third Party XML Support	N/A	Yes	N/A	Yes	Yes
Headset Port	N/A	N/A	Yes: 2.5mm	Yes: 2.5mm	Yes: 2.5mm
Signaling Protocal	N/A	N/A	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP
802-3AF	N/A powered by phone	N/A powered by phone	Yes	Yes	Yes
Cisco Power	No	No	No	No	No
PoE Classification	N/A	N/A	Class 2	Class 2	Class 2
DHCP	N/A	N/A	Yes: 66, 150, 159, 160	Yes: 66, 150, 159, 160	Yes: 66, 150, 159, 160
802-1p/q	N/A	N/A	Yes	Yes	Yes
Codecs	N/A	N/A	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a
Supported Cisco Call Control Platform(s)					
UC Manager Encryption Support (TLS/SRTP)	N/A	N/A	Yes	Yes	Yes
Notes	Add up to two per SPA5xx IP phone	Add up to two per SPA5xx IP phone			
PID	SPA500S	SPA500DS	SPA501G	SPA502G	SPA504G
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa500-series-ip-phones/data_sheet_c78-548281.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/spa500ds-digital-expansion-module/data_sheet_c78-711964.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa500-series-ip-phones/data_sheet_c78-548558.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa500-series-ip-phones/data_sheet_c78-548561.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa500-series-ip-phones/data_sheet_c78-548564.html

	SPA500 Series	SPA500 Series	SPA500 Series	SPA500 Series	SPA500 Series
	SPA508G	SPA509G	SPA512	SPA514	SPA525G2
Feature/Functionality					
Intergral Switch	Yes: 10/100	Yes: 10/100	Yes: 10/100/1000	Yes: 10/100/1000	Yes: 10/100
Display	128 x 64 pixel (backlit)	128 x 64 pixel (backlit)	128 x 64 pixel (backlit)	128 x 64 pixel (backlit)	320 x 240 pixel (backlit color)
Integrated Video					
Touch Screen					
Speakerphone					
Number of Line keys	8	12	N/A	4	5
Programmable (Soft) keys	4	4	4	4	4
Fixed Feature Keys	7	7	7	7	7
Advanced Features	TFTP, HTTP, HTTPS, provisioning	TFTP, HTTP, HTTPS, provisioning	TFTP, HTTP, HTTPS, TR-069/TR-104/TR-111 provisioning, port mirroring for easy network tracing	TFTP, HTTP, HTTPS, TR-069/TR-104/TR-111 provisioning, port mirroring for easy network tracing	TFTP, HTTP, HTTPS, TR-069, TR-104, TR-111 provisioning, 802.11G client, MP3 player, picture frame, USB port for charging of mobile phone or USB stick, call recording direct to USB stick
Handsfree	Yes: Speakerphone	Yes: Speakerphone	Yes: Speakerphone	Yes: Speakerphone	Yes: Speakerphone, Bluetooth headset
Message Waiting Indication	Yes	Yes	Yes	Yes	Yes
Third Party XML Support	Yes	Yes	Yes	Yes	Yes
Headset Port	Yes: 2.5mm	Yes: 2.5mm	Yes: 2.5mm	Yes: 2.5mm	Yes: 2.5mm
Signaling Protocal	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP, TR-069, TR-104, TR-111	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP, TR-069, TR-104, TR-111	SIP/SPCP Other Protocols Supported: SIP, TCPIP, UDP, RTP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, TFTP, NTP, TR-069, TR-104, TR-111
802-3AF	Yes	Yes	Yes	Yes	Yes
Cisco Power	No	No	No	No	No
PoE Classification	Class 2	Class 2	Class 2	Class 2	Class 2
DHCP	Yes: 66, 150, 159, 160	Yes: 66, 150, 159, 160	Yes: 66, 150, 159, 160	Yes: 66, 150, 159, 160	Yes: 66, 150, 159, 160
802-1p/q	Yes	Yes	Yes	Yes	Yes
Codecs	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a	G.711u/a, G.722, G.726- 16, 24, 32, 40, G.729a
Supported Cisco Call Control Platform(s)					
UC Manager Encryption Support (TLS/SRTP)	Yes	Yes	Yes	Yes	Yes
Notes			EHS	EHS	EHS
PID	SPA508G	SPA509G	SPA512G	SPA514G	SPA525G2
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa500-series-ip-phones/data_sheet_c78-548569.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/small-business-spa500-series-ip-phones/data_sheet_c78-548571.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/spa512g-1-line-gige-ip-phone/c78-698950_data_sheet.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/spa514g-4-line-gige-ip-phone/c78-698951_data_sheet.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/spa525g2-5-line-ip-phone/data_sheet_c78-603725.html

	ISDN Link	SpeakerTrack 60	Precision 60 Camera
Feature/Functionality			
Category	Telepresence Peripherals	Telepresence Peripherals	Telepresence Peripherals
Key Features	Compact appliance for in-room ISDN and external network connectivity supporting Cisco TelePresence EX, MX, SX, and C Series endpoints. Provides direct connectivity to ISDN or external networks (V.35) for individual telepresence endpoints without the need for additional gateways or other infrastructure.	Cisco TelePresence SpeakerTrack 60 Camera (SpeakerTrack 60) is an unparalleled dual-camera system that lets participants in a video meeting see the active speaker on the other end of a conference – in full view	Precision 60 provides a powerful integrator imaging solution for large meeting room scenarios. The camera offers large zoom range to cover large and advanced scenarios, great adaptability to light conditions; low noise interference for better image, and wide angle view
Screens	None	None	None
Camera	None	Dual Camera System Zoom: 10x optical zoom 2x digital zoom 20x zoom combined Pan and Tilt: Pan range: +/-100 degrees Tilt range: +/-20 degrees Field of View (FoV): Horizontal FoV: 80 degrees Vertical FoV: 48.8 degrees Tracking horizontal FoV: 80 degrees Focus Distance 1.0m to infinity (wide)	Precision 60 Camera Zoom: 10x optical zoom 2x digital zoom 20x total zoom combined Pan and Tilt: Pan range: +/-100 degrees Tilt range: +/-20 degrees Field of View (FoV): Horizontal FoV: 80 degrees Vertical FoV: 48.8 degrees Focus Distance: 1.0m to infinity (wide) F1.5 Camera control over Ethernet
Video Quality	N/A	True 1080p60 HD resolution delivers rich, vivid image quality002E	1920 x 1080 at 60 frames per second (fps)
Resolution	N/A	1920 x 1080 (16:9)	1920 x 1080 (16:9)
Video Standards	H.261 H.263 H.263++ H.264 depending upon codec support	N/A	N/A
Video Frame Rate	N/A	1920 x 1080 at 60 fps	1920 x 1080 at 60 fps
Software Supported	N/A	N/A	N/A
Signaling Protocol	IP-to-ISDN or IP-to-V.35 4 Basic Rate Interface (BRI) or 1 Primary Rate Interface (PRI) ISDN ports and external networks (cable standards V.35, RS530, RS449, and RS366)	N/A	N/A
Bandwidth Consumption	4 BRI up to 512 kbps; 1 PRI up to 1920 kbps; external networks up to 1920 kbps	N/A	N/A
Audio Standards	AAC-LD G.711 G.722 G.722.1	N/A	N/A
Physical Dimensions	• 1.18 x 11.02 x 6.69 in. (28 x 3 x 17 cm)	• Length: 31.5 in. (80.0 cm) • Height: 11.5 in. (29.2 cm) • Depth: 8.3 in. (21.0 cm) • Weight: 25.4 lb (11.5 kg)	• Length: 10.6 in. (26.8 cm) • Height: 6 in. (15.2 cm) • Depth: 6.4 in. (16.3 cm) • Weight: 5.5 lbs (2.5 kg)
PID	CTS-ISDNLINK-K9	CTS-SPKER-TRACK60	CTS-CAM-P60=
Datasheet URL	http://www.cisco.com/c/dam/en/us/products/collateral/collaboration-endpoints/telepresence-isdn-link/telepresence_isdn_link.pdf	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-speaker-track-60/datasheet-c78-729836.html	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-precision-cameras/datasheet-c78-669051.html?cachemode=refresh

	Precision 40 Camera	Precision 12X Camera	Touch 10
Feature/Functionality			
Category	Telepresence Peripherals	Telepresence Peripherals	Telepresence Peripherals
Key Features	Cisco TelePresence Precision 40 Camera enables users to fully realize the high-definition experience and provides superior video quality at any bandwidth with the following features: ・ Full 1080 HD ・ Mount upside down-(select option through VISCA™) ・ Automatic or manual focus, brightness, and white balance ・ High-definition multimedia interface (HDMI) ・ In-call LED indicator and power indicator	Cisco TelePresence Precision Camera enables users to fully realize the high-definition experience and provides superior video quality at any bandwidth with the following features: ・ Ultimate high-definition camera designed by Cisco ・ Full 1080 HD ・ Upside-down mounting with automatic flipping of picture ・ Dual high-definition multimedia interface (HDMI) and high-definition serial digital interface (HD-SDI) output ・ Improved autofocus with multifocus points ・ Improved white balance with ambient light sensor ・ Automatic or manual focus, brightness, and white balance ・ In-call LED indicator and power indicator	Cisco TelePresence Touch devices take ease-of-use and user interaction benefits to the next level by adding touch interfaces to Cisco TelePresence endpoints Touch 10-inch devices support the second-generation MX300 and future generations of SX and MX Series
Screens	None	None	Capacitive touch LCD 10.1-inch diagonal
Camera	PrecisionHD 1080p 4x Camera Delivers 1080p30 (30 frames per second) or 720p60 (60 fps) true HD video with the following features: Excellent autofocus and white balance 4x optical zoom with smooth, quiet handling Dual HDMI/Camera control output Upside down mount, with manual flipping of image Pan range: -90 to +90°; tilt range: -25 to +15°	Precision 12X Camera Delivers 1080p60 (60 frames per second) true HD video with the following features: Excellent autofocus and white balance 12x optical zoom with smooth, quiet handling HDMI and HD-SDI outputs: the picture can be shared through both simultaneously Upside down mount; the picture is flipped automatically Pan range: -90 to +90°; tilt range: -25 to +15° 70° horizontal field of view F1.7	N/A
Video Quality	1280 x 720 at 60 frames per second (fps) 1920 x 1080 at 30 frames per second (fps)	1920 x 1080 at 60 frames per second (fps)	N/A
Resolution	1280 x 720 (16:9) 1920 x 1080 (16:9)	1920 x 1080 (16:9)	1280 x 800
Video Standards	N/A	N/A	N/A
Video Frame Rate	1080p X 60 FPS	1920 x 1080 at 60 and 50 fps (HDMI only) 1920 x 1080 at 30 and 25fps 1280 x 720 at 60, 50, 30, and 25fps	N/A
Software Supported	N/A	N/A	TC7.0 or later and Collaboration Endpoint Software 8.0
Signaling Protocol	N/A	N/A	TCP/IP
Bandwidth Consumption	N/A	N/A	N/A
Audio Standards	N/A	N/A	N/A
Physical Dimensions	・ Height (at max tilt): 151 mm/5.94 in ・ Width: 212 mm/8.35 in ・ Depth: 138 mm/5.43 in ・ Weight: 1.44 kg/3.17 lbs	・ Height (at maximum tilt): 6.8 inches (17.2 cm) ・ Width: 8.7 inches (22 cm) ・ Depth: 5.8 inches (14.7 cm) ・ Weight: 3.95 lb (1.8kg)	3.3 x 10 x 7.4 in. (8.6 x 25.5 x 18.8 cm) Maximum height in vertical position 6.4 in (16.3 cm). Minimal height in lower position on the table: 2.9 in (7.35 cm)
PID	CTS-P40-K9=	CTS-PHD-1080P12XS=	CTS-CTRL-DV10=
Datasheet URL	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-precision-cameras/datasheet-c78-669051.html?cachemode=refresh	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-precision-cameras/datasheet-c78-669051.html?cachemode=refresh	http://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/telepresence-touch/data_sheet_c78-646041.html