Cisco TelePresence SX10 Quick Set

Video-Enable Your Small Collaboration Spaces

The Cisco TelePresence® SX10 Quick Set is an all-in-one unit designed to video-enable your small collaboration spaces, offering great affordability for small-to-medium businesses just starting out with telepresence. With the SX10 you can extend telepresence pervasively throughout your enterprise.

This 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). High-definition video is enabled with 1080p30 resolution, while a leadership wide-angle field of view provides the best overview even in small spaces.

High quality, simplicity, and affordability come together in the SX10 Quick Set to create a logical solution for video ubiquity (Figures 1 through 3).

Figure 1. Cisco TelePresence SX10 in a Project Room Environment

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Figure 2. Cisco TelePresence SX10 Quick Set Mounted with Remote Control

Features

The primary features of the Cisco TelePresence SX10 follow:

- Optimal definition up to 1080p30 with content sharing at WXGAp5
- Wide-angle 83° horizontal FOV with 5x zoom*
- Ready-to-use unit with Power over Ethernet (PoE)
- Integrated microphone
- Energy efficient with low consumption (EU Class B)
- Registers with Cisco® Unified Communications Manager (UCM) and Cisco TelePresence Video Communication Server (VCS)

Figure 3. Cisco TelePresence SX10 Wall-Mount Solution

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Product Specifications

Table 1 lists the specifications of Cisco TelePresence SX10 Quick Set and Table 2 lists its capabilities.

Table 1. Cisco TelePresence SX10 Quick Set Specifications

Specification	Description
Software compatibility	Cisco TelePresence Software Version TC 7.1 or later
Product delivered with	• SX10 Codec with integrated HD camera and microphone • Wall mount • TRC6 remote control • Network and HDMI cables
Integrated HD camera	• 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
User interface	TRC6 remote control and on-screen Graphical User Interface
Language support	English
System management	• Total management using embedded Telnet, SSH, XML, and SOAP • Remote software upload using web server, secure copy (SCP), HTTP, and HTTPS • Remote control and on-screen menu system
Directory services	• Support for local directories (My Contacts) • Corporate directory (through Cisco UCM and Cisco TelePresence Management Suite [TMS]) • Server directory supporting LDAP and H.350 (requires Cisco TelePresence Management Suite) • Call History with received, placed, and missed calls with date and time
Power	• PoE enabled • Auto-sensing power supply • 100 - 240 VAC, 50/60 Hz • Maximum 12 watts in normal operation
Operating temperature and humidity	• 0° to 40°C (32° to 95°F) at Relative Humidity 10% - 90% (noncondensing)
Storage and transport temperature	• -20° to 60°C (60° to 140°F) at Relative Humidity 10% - 90% (noncondensing)
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)
Approvals and compliance	• Directive 2006/95/EC (Low-Voltage Directive) - Standard IEC/EN 60950-1 • Directive 2004/108/EC (EMC Directive) - Standard EN 55022, Class B - Standard EN 55024 - Standard EN 61000-3-2/-3-3 • Approved according to UL 60950-1 and CAN/CSA-C22.2 No. 60950-1-07 • Complies with FCC CFR 47 Part 15 Class A

* Optical and digital zoom, **Dependent on future software upgrade.

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Table 2. Product Capabilities

Specification	Description
Bandwidth	• Up to 3 Mbps
Minimum bandwidth for resolution/frame rate	• 720p30 from 768 kbps • 1080p30 from 1472 kbps
Firewall traversal	• Cisco TelePresence Expressway Technology
Video standards	• H.263, H.263+, and H.264
Video inputs	**Two video inputs (HDMI or VGA selectable through user interface)** **Supported Formats:** • 640x480 (VGA) • 720x480 • 704x576 (4CIF) • 800x600 (SVGA) • 848x480 • 1024x768 (XGA) • 1152x864 (XGA+) • 1280x720 (720p) • 1280x768 (WXGA) Extended Display Identification Data (EDID)
Video output	**HDMI Output Supported Formats:** • 1920 x 1080@60 fps (1080p60) VESA Monitor Power Management Extended Display Identification Data (EDID)
Live video resolutions	**Live Video Resolutions (Encode and Decode):** • 176 x 144@30 (QCIF) (Decode only) • 352 x 288@30 (CIF) • 512 x 288@30 (w288p) • 576 x 448@30 (448p) • 768 x 448@30 (w448p) • 704 x 576@30 (4CIF) • 1024 x 576@30 (w576p) • 640 x 480@30 (VGA) • 800 x 600@30 (SVGA) • 1024 x 768@30 (XGA) • 1280 x 768@30 (WXGA) • 1280 x 720@30 (HD720p) • 1920 x 1080@30 (HD1080p)
Audio standards	• 64 kbps MPEG4 AAC-LD, OPUS, G.722, G.722.1, G.711mu, G.711a, G.729ab, and G.729
Audio features	• High-quality 20-kHz mono • Two acoustic echo cancellers • Automatic Gain Control (AGC) • Automatic noise reduction • Active lip synchronization
Audio inputs	• One internal microphone • One external microphone, 4-pin mini-jack (Cisco TelePresence Table Microphone 20) • One HDMI audio-in
Audio outputs	• One line out, mini-jack • One HDMI, (digital main audio)
Dual stream	• BFCP (SIP) dual stream • Resolution up to WXGAp5
MultiPoint support	• Cisco Ad-Hoc Conferencing (requires Cisco UCM, Cisco TelePresence Server, and Cisco TelePresence Conductor)

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Specification	Description
Protocols	• SIP
Embedded encryption	• SIP point-to-point • Standards-based: Advanced Encryption Standard (AES) • Automatic key generation and exchange • Supported in dual stream
IP network features	• DNS lookup for service configuration • Differentiated Services (QoS) • IP adaptive bandwidth management (including flow control) • Dynamic playout and lip-sync buffering • Date and Time support via NTP • Packet Loss based downspeeding • URI Dialing • TCP/IP • DHCP • 802.1x Network authentication • 802.1Q Virtual LAN • 802.1p (QoS and class of service [CoS]) • ClearPath • Medianet: Mediatrace and metadata
Cisco Unified Communications Manager (Requires Cisco UCM Version 8.6 or later	• Native registration with Cisco Unified Communications Manager • Basic Cisco Unified Communications Manager provisioning • Firmware upgrade from Cisco Unified Communications Manager • Cisco Discovery Protocol and DHCP option 150 support • Basic telephony features such as hold, resume, transfer, and corporate directory lookup
IPv6 network support	• Dual-stack IPv4 and IPv6 for DHCP, Secure Shell (SSH), HTTP, Secure HTTP (HTTPS), DNS, and Differentiated Services (DiffServ) • Support for both static and autoconfiguration (stateless address autoconfiguration)
Security features	• Management through HTTPS and SSH • IP administration password • Menu administration password • Disable IP services • Network settings protection
Network interfaces	• One PoE-enabled LAN connector (RJ-45) 100-Mbit
Other interfaces	• One USB port for future usage • One Micro USB port for debugging

Ordering Information

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

Table 3. Ordering Information

Product Name	Part Number	Compliance Model Name
Cisco TelePresence SX10 Quick Set (SX10 codec/camera, intg. mic, Wall mount kit, TRC6 rmt cntrl)	CTS-SX10-K9	TTC7-22
Cisco TelePresence Table Microphone 20	CTS-QSC20-MIC	
Screen Mount Kit for SX10 Quick Set	BRKT-SX10-SMK	
Wall Mount Kit for SX10 Quick Set	BRKT-SX10-WMK	
6 meter VGA cable	CAB-2VGA-6M	
6 meter HDMI cable	CAB-2HDMI-6M	
Cisco TelePresence Remote Control 6	CTS-RMT-TRC6	

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Cisco Service 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 TelePresence 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: http://www.cisco.com/go/telepresenceservices.

For More Information

For more information about the Cisco TelePresence SX10 Quick Set, visit http://www.cisco.com/go/telepresence or contact your local Cisco account representative.

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