Cisco TelePresence SX20 Quick Set

Product Overview

The Cisco TelePresence® SX20 Quick Set (SX20 Quick Set) can transform any flat panel display into a sleek and powerful telepresence system. The SX20 Quick Set is designed to deliver high definition video and multiparty conferencing with the flexibility to accommodate various room size and configurations - all at a value price. The SX20 Quick Set supports embedded capability for multipoint support with Cisco® TelePresence MultiSite technology, enabling users to add three additional participants to a telepresence call.

SX20 Quick Set combines a powerful codec, three camera choices, and a dual-display option in an easy-to-deploy and -use solution. Whether you're a small business just getting started with telepresence or a large enterprise looking to expand your existing deployment, the SX20 Quick Set delivers the performance you would expect from more expensive systems - in a compact and feature-rich package. Cisco TelePresence SX20 Quick Set is designed to truly extend the Power of In-Person to everyone, everywhere.

Figure 1.   Cisco TelePresence SX20 Quick Set in a Small Meeting Room Environment

Figure 2.   Cisco TelePresence SX20 Quick Set with 4x PrecisionHD Camera, Wall Mount, Table Microphone, and Remote Control

Features and Benefits

Table 1 summarizes the primary features for the Cisco TelePresence SX20 Quick Set.

Table 1.   Cisco TelePresence SX20 Quick Set Feature Summary

Feature Summary	
Design features	• Transforms a flat panel display into a 1080p high-definition meeting space • Intuitive connections make setup as easy as connecting a DVD player • Provides up to 1080p60 resolution - compatible with standards-based video without loss of features • Sleek, compact design
Application features	• Multimedia and presentations can be shared at the touch of a button • Basic API available over IP (Telnet or Secure Shell Protocol [SSH]) • Dual-display option available • High-definition content sharing up to 1080p15
Performance features	• Optimal definition up to 1080p60 • H.323/SIP up to six Mbps • Built-in individually transcoded multipoint conferencing offers ability to add three additional callers • Easy provisioning and self-configuration with Cisco Unified Communications Manager (CUCM), Cisco TelePresence Video Communications Server (VCS), or Cisco Callway • Takes advantage of Cisco TelePresence Total Solution approach, including Cisco TelePresence Multiway features, recording and streaming, and firewall traversal services

Figure 3.   Cisco TelePresence SX20 Quick Set on Wall Mount

Product Specifications

Table 2 provides a list of the product capability specifications for the Cisco TelePresence SX20 Quick Set.

Table 2.   Product Specifications

Specification	Description
Set delivered complete with:	• SX20 Codec, Cisco TelePresence PrecisionHD Camera - 1080p4xS2 or Cisco TelePresence PrecisionHD Camera - 1080p12x, Cisco TelePresence Table Microphone 20, remote control, cables, and power supply
Bandwidth	• H.323 and SIP up to six Mbps point-to-point
Firewall traversal	• Cisco TelePresence Expressway Technology • H.460.18, H.460.19 firewall traversal

Specification	Description
Video standards	• H.263, H.263+, H.264
Video features	• Native 16:9 widescreen • Advanced screen layouts • Intelligent video management • Local auto-layout
Video inputs (two inputs)	**1 x HDMI and 1 x DVI-I (Analog and Digital) - supported formats:** • 640x480 • 720x480 • 720x576 • 800x600 • 848x480 • 1024x768 • 1152x864 • 1280x720 • 1280x1024 • 1280x768 • 1280x800 • 1280x960 • 1360x768 • 1366x768 • 1400x1050 • 1440x900 • 1680x1050 • 1920x1080
Video outputs (two outputs)	**2 x HDMI output - supported formats:** • 1920 x 1080@60 fps (1080p60) • 1280 x 720@60 fps (720p60) • 1366 x 768@60 fps (WXGA) • 1360 x 768@60 fps(WXGA) • 1280 x 768@60 fps (WXGA) VESA Monitor Power Management EDID **Live video resolutions (encode and decode)** • 176 x 144@30, 60 fps (QCIF) (Decode only) • 352 x 288@30, 60 fps (CIF) • 512 x 288@30, 60 fps (w288p) • 576 x 448@30, 60 fps (448p) • 768 x 448@30, 60 fps (w448p) • 704 x 576@30, 60 fps (4CIF) • 1024 x 576@30, 60 fps (w576p) • 640 x 480@30, 60 fps (VGA) • 800 x 600@30, 60 fps (SVGA) • 1024 x 768@30, 60 fps (XGA) • 1280 x 768@30, 60 fps (WXGA) • 1280 x 720@30, 60 fps (HD720p60) • 1280 x 720@30, 60 fps (720p60) • 1920 x 1080@30, 60 fps (HD1080p60)
Audio standards	• G.711, G.722, G.722.1, 64 kbps MPEG4 AAC-LD
Audio features	• CD-quality 20 KHz mono • Two acoustic echo cancellers • Automatic Gain Control (AGC) • Automatic noise reduction • Active lip synchronization

Specification	Description
Audio inputs (four inputs)	• 2 x microphone, 4-pin minijack • 1 x minijack for line in (stereo) • 1 x Audio in from camera (HDMI)
Audio outputs (three outputs)	• 1 x minijack for line out (stereo) • 1 x HDMI, (digital main audio)
Dual stream	• H.239 (H.323) dual stream • BFCP (SIP) dual stream • Support resolutions up to 1080p (1920 x 1080)
Protocols	• H.323 • SIP
Embedded encryption	• H.323 and SIP point-to-point • Standards-based: H.235 v2 and v3 and AES • Automatic key generation and exchange • Supported in dual stream
IP network features	• DNS lookup for service configuration • Differentiated services (quality of service [QoS]) • IP-adaptive bandwidth management (including flow control) • Auto gatekeeper discovery • Dynamic playout and lip-sync buffering • H.245 Dual Tone Multifrequency (DTMF) tones in H.323 • Date and time support using Network Time Protocol (NTP) • Packet loss-based downspeeding • Uniform resource identifier (URI) dialing • TCP/IP • DHCP • 802.1x network authentication • ClearPath
IPv6 network support	• Single call stack support for both H323 and SIP • Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, DiffServ • Support for both Static and Autoconfiguration (stateless address auto configuration)
Security features	• Management using HTTPS and SSH • IP administration password • Menu administration password • Disable IP services • Network settings protection
Network interfaces	• 1 x LAN and Ethernet (RJ-45) 10/100/1000 Mbit
Other interfaces	• 2 x USB host for future usage
Cisco TelePresence PrecisionHD Camera - 1080p12x	• 1/3-inch CMOS • 12 x zoom • +15°/-25°tilt, +/- 90°pan • 43.5°vertical field of view • 72°horizontal field of view • Focus distance 0.3 m - infinity • 1920 x 1080 pixels progressive @60 fps • Other formats supported (configurable through Dip-switch): 1920 x 1080@60 fps (HDMI only), 1920 x 1080@50 fps (HDMI only), 1920 x 1080@30 fps, 1920 x 1080@25 fps, 1280 x 720@60 fps, 1280 x 720@50 fps, 1280 x 720@30 fps, 1280 x 720@25 fps • Automatic or manual focus, brightness, and white balance • Far-end camera control • Dual HDMI and HD-SDI output • Upside-down mounting with automatic flipping of picture

Specification	Description
Cisco TelePresence PrecisionHD Camera - 1080p4xS2	• 1/3-inch CMOS • 4 x zoom +15°-25°tilt, +/- 90° pan • 43.5° vertical field of view • 70° horizontal field of view • Focus distance 0.3 m - infinity • 1920 x 1080 pixels progressive @60 fps • Automatic or manual focus, brightness, and white balance • Far-end camera control • Upside-down mounting with manual flipping of picture
System management	• Support for the Cisco TelePresence Management Suite • Total management using embedded SNMP, Telnet, SSH, XML, SOAP • Remote software upload: using web server, secure copy (SCP), HTTP, HTTPS • Remote control and on-screen menu system
Directory services	• Support for local directories (My Contacts) • Corporate directory • Unlimited entries using server directory supporting LDAP and H.350 • Unlimited number for corporate directory (through Cisco TelePresence Management Suite) • Received calls with date and time • Placed calls with date and time • Missed calls with date and time
Power	• Auto-sensing power supply • 100 - 240 VAC, 50/60 Hz • Maximum 35 watts for codec and main camera
Operating temperature and humidity	• 0°C to 35°C (32°F to 95°F) ambient temperature • 10% to 90% Relative Humidity (RH)
Storage and transport temperature	• -20°C to 60°C (-4°F to 140°F) at RH 10 - 90% (n on -condensing)
SX20 Codec dimensions	• Length: 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)

Regulatory Compliance

- Directive 2006/95/EC (Low-Voltage Directive) - Standard 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 FCC15B Class B

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
Cisco TelePresence SX20 Quick Set with Precision HD 1080p 4x camera	CTS-SX20-PHD4X-K9
Cisco TelePresence SX20 Quick Set with Precision HD 1080p 12x camera	CTS-SX20-PHD12X-K9

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 SX20 Quick Set, http://www.cisco.com/go/telepresence or contact your local account representative.

Printed in USA

C78-688342-00   12/11