

# CTS-SX20-PHD12X-K9 Datasheet

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## Overview

The Cisco TelePresence® SX20 Quick Set (SX20 Quick Set) can transform any flat panel display into a sleek and powerful video conferencing 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 optional embedded multipoint support with Cisco® TelePresence MultiSite technology, enabling users to add three additional participants to a video call.

SX20 Quick Set combines a powerful codec, premium resolution of 1080p, two camera choices, and a dual-display feature in an easy-to-deploy and easy-to-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, feature-rich and affordable package.

## Quick Specs

Figure 1 shows the appearance of CTS-SX20-PHD12X-K9.



Table 1 shows the Quick Specs.

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| <b>Model</b>                                       | CTS-SX20-PHD12X-K9  |
| <b>Software compatibility</b>                      | <ul style="list-style-type: none"><li>● Cisco TelePresence Software Version TC 5.1 or later</li><li>● Cisco Collaboration Endpoint Software Version 8.0 or later (requires Touch 10 or TRC6 remote control)</li></ul>   |
| <b>Product delivered with</b>                      | <ul style="list-style-type: none"><li>● SX20 Codec</li><li>● Cisco TelePresence Precision Camera (choice of Precision 40 or 12X)</li><li>● Cisco TelePresence Table Microphone 20</li><li>● TRC6 remote control</li><li>● Cables and power supply</li></ul>   |
| <b>Optional hardware components</b>                | <ul style="list-style-type: none"><li>● Cisco TelePresence Touch 10</li><li>● Wall mount kit</li><li>● Additional microphone</li><li>● Presentation cable (VGA or HDMI)</li><li>● Camera mount bracket for P40 or 12X</li><li>● Spare: TRC5 remote control to be used with TC 7.3 software can be acquired as spare</li></ul> |
| <b>Bandwidth</b>                                   | <ul style="list-style-type: none"><li>● H.323 and SIP up to 6 Mbps</li></ul>  |
| <b>Minimum bandwidth for resolution/frame rate</b> | <ul style="list-style-type: none"><li>● 720p30 from 768 kbps</li><li>● 720p60 from 1152 kbps</li><li>● 1080p30 from 1472 kbps</li><li>● 1080p60 from 2560 kbps</li></ul>  |

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| <b>Firewall Traversal</b>              | <ul style="list-style-type: none"> <li>● Cisco TelePresence Expressway Technology</li> <li>● H.460.18, H.460.19 firewall traversal</li> </ul>   |
| <b>Video Standards</b>                 | <ul style="list-style-type: none"> <li>● H.263, H.263+, H.264</li> </ul>  |
| <b>Video Features</b>                  | <ul style="list-style-type: none"> <li>● Native 16:9 widescreen</li> <li>● Advanced screen layouts</li> <li>● Local auto-layout</li> </ul>  |
| <b>Video Inputs<br/>(Two Inputs)</b>   | <p><b>One HDMI and One DVI-I (Analog and Digital); supports formats up to maximum 1920x1080 @ 60 fps (HD1080p60), including:</b></p> <ul style="list-style-type: none"> <li>● 640x480</li> <li>● 720x480</li> <li>● 720x576</li> <li>● 800x600</li> <li>● 848x480</li> <li>● 1024x768</li> <li>● 1152x864</li> <li>● 1280x720</li> <li>● 1280x1024</li> <li>● 1280x768</li> <li>● 1280x800</li> <li>● 1280x960</li> <li>● 1360x768</li> <li>● 1366x768</li> <li>● 1400x1050</li> <li>● 1440x900</li> <li>● 1680x1050</li> <li>● 1920x1080</li> </ul> <p>Extended Display Identification Data (EDID)</p>   |
| <b>Video Outputs<br/>(Two Outputs)</b> | <p><b>Two HDMI Outputs Supported Formats:</b></p> <ul style="list-style-type: none"> <li>● 1920 x 1080@60 fps (1080p60)</li> <li>● 1920 x 1080@50 fps (1080p50)</li> <li>● 1280 x 720@60 fps (720p60)</li> <li>● 1280 x 720@50 fps (720p50)</li> <li>● 1366 x 768@60 fps (WXGA)</li> <li>● 1360 x 768@60 fps(WXGA)</li> <li>● 1280 x 768@60 fps (WXGA)</li> <li>● 1280 x 1024@60 fps</li> <li>● 1024 x 768@60 fps</li> </ul> <p>VESA Monitor Power Management (DPM)<br/>CEC Power Management supported on HDMI output<br/>EDID</p> <p><b>Live Video Resolutions (Encode and Decode):</b></p> <ul style="list-style-type: none"> <li>● 176 x 144@30, 60 fps (QCIF) (Decode only)</li> <li>● 352 x 288@30, 60 fps (CIF)</li> <li>● 512 x 288@30, 60 fps (w288p)</li> <li>● 576 x 448@30, 60 fps (448p)</li> <li>● 768 x 448@30, 60 fps (w448p)</li> <li>● 704 x 576@30, 60 fps (4CIF)</li> <li>● 1024 x 576@30, 60 fps (w576p)</li> <li>● 640 x 480@30, 60 fps (VGA)</li> <li>● 800 x 600@30, 60 fps (SVGA)</li> <li>● 1024 x 768@30, 60 fps (XGA)</li> <li>● 1280 x 768@30, 60 fps (WXGA)</li> <li>● 1280 x 720@30, 60 fps (HD720p)</li> <li>● 1920 x 1080@30, 60 fps (HD1080p)</li> </ul> |
| <b>Audio Standards</b>                 | <ul style="list-style-type: none"> <li>● G.711, G.722, G.722.1, G.728, G.729, AAC-LD and OPUS</li> </ul>  |
| <b>Audio Features</b>                  | <ul style="list-style-type: none"> <li>● High quality 20 KHz stereo</li> <li>● Two acoustic echo cancellers</li> <li>● Automatic Gain Control (AGC)</li> <li>● Integration with third-party audio systems</li> <li>● Automatic noise reduction</li> <li>● Active lip synchronization</li> </ul>   |
| <b>Audio Inputs<br/>(Four Inputs)</b>  | <ul style="list-style-type: none"> <li>● Two microphones, 4-pin minijack</li> <li>● One minijack for line-in (stereo)</li> <li>● One audio in from camera (HDMI)</li> </ul>   |
| <b>Audio Outputs<br/>(Two Outputs)</b> | <ul style="list-style-type: none"> <li>● One minijack for line out (stereo)</li> <li>● One HDMI, (digital main audio)</li> </ul>  |

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| <b>Dual Stream</b>   | <ul style="list-style-type: none"> <li>● H.239 (H.323) dual stream</li> <li>● BFCP (SIP) dual stream</li> <li>● Support resolutions up to 1080p) at 30 frames per second</li> </ul>   |
| <b>Multipoint Support</b>  | <ul style="list-style-type: none"> <li>● Four-way embedded SIP/H.323 conferencing capability with MultiSite option</li> <li>● Ad-hoc conferencing supported through: <ul style="list-style-type: none"> <li>◦ Unified Communications Manager Media Resource Group (requires a Cisco TelePresence MCU)</li> <li>◦ Cisco TelePresence Multiway [requires Cisco TelePresence Video Communication Server (Cisco VCS) and a Cisco TelePresence MCU]</li> </ul> </li> <li>● Ability to natively join multipoint conferences hosted on Cisco Telepresence Multipoint Switch (CTMS)onferencing (SVC)</li> </ul>   |
| <b>MultiSite Features (Embedded Multipoint) (Optional upgrade)</b>   | <ul style="list-style-type: none"> <li>● Adaptive SIP/H.323 MultiSite; resolution up to 720p30 <ul style="list-style-type: none"> <li>◦ 3-way resolution up to 720p30</li> <li>◦ 4-way resolution up to 576p30</li> </ul> </li> <li>● Full individual audio and video transcoding</li> <li>● Individual layouts in MultiSite continuous presence</li> <li>● H.323/SIP/VoIP in the same conference</li> <li>● Support for Presentation (H.239/BFCP) from any participant at resolutions up to 1080p15</li> <li>● Best Impression (automatic continuous presence layouts)</li> <li>● H.264, encryption and dual stream from any site</li> <li>● IP downspeeding</li> <li>● Participants can be added by dialing in or host can dial out</li> <li>● Conference rates up to 6 Mbps</li> </ul> |
| <b>Protocols</b>   | <ul style="list-style-type: none"> <li>● H.323</li> <li>● SIP</li> <li>● ISDN (requires Cisco TelePresence ISDN Link)</li> </ul>  |
| <b>Embedded Encryption</b>   | <ul style="list-style-type: none"> <li>● H.323 and SIP point-to-point</li> <li>● Standards-based: H.235 v3 and Advanced Encryption Standard (AES)</li> <li>● Automatic key generation and exchange</li> <li>● Supported in dual stream</li> </ul>   |
| <b>IP Network Features</b>   | <ul style="list-style-type: none"> <li>● DNS lookup for service configuration</li> <li>● Differentiated services (quality of service [QoS])</li> <li>● IP-adaptive bandwidth management (including flow control)</li> <li>● Automatic gatekeeper discovery</li> <li>● Dynamic playout and lip-sync buffering</li> <li>● H.245 Dual Tone Multi-frequency (DTMF) tones in H.323</li> <li>● RFC 4733 DTMF tones in SIP</li> <li>● Date and time support using Network Time Protocol (NTP)</li> <li>● Packet loss-based down speeding</li> <li>● Uniform resource identifier (URI) dialing</li> <li>● TCP/IP</li> <li>● DHCP</li> <li>● 802.1x network authentication</li> <li>● 802.1Q Virtual LAN</li> <li>● 802.1p (QoS and class of service [QoS])</li> <li>● ClearPath</li> </ul>        |
| <b>Cisco Unified Communications Manager (requires Cisco Unified Communications Manager Version 8.6 or later)</b> | <ul style="list-style-type: none"> <li>● Native registration with Cisco Unified Communications Manager</li> <li>● Basic Cisco Unified Communications Manager provisioning</li> <li>● Software upgrade from Cisco Unified Communications Manager</li> <li>● Cisco Discovery Protocol and DHCP option 150 support</li> <li>● Basic telephony features such as hold/resume/transfer and Corporate Directory lookup</li> </ul>  |
| <b>Cisco Video Communication Server</b>  | <ul style="list-style-type: none"> <li>● Recommend latest software</li> </ul>   |
| <b>IPv6 Network Support</b>  | <ul style="list-style-type: none"> <li>● Single call stack support for both H323 and SIP</li> <li>● Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, DiffServ</li> <li>● Support for both Static and Automatic IP configuration (stateless address auto configuration)</li> </ul>  |
| <b>Security Features</b>   | <ul style="list-style-type: none"> <li>● Management using HTTPS and SSH</li> <li>● IP administration password</li> <li>● Menu administration password</li> <li>● Disable IP services</li> <li>● Network settings protection</li> </ul>  |
| <b>Network Interfaces</b>  | <ul style="list-style-type: none"> <li>● One LAN and Ethernet (RJ-45) 10/100/1000 Mbit</li> </ul>   |

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| <b>Other Interfaces</b>                   | <ul style="list-style-type: none"> <li>● Two USB ports can be used for serial control</li> </ul>  |
| <b>System Management</b>                  | <ul style="list-style-type: none"> <li>● Support for the Cisco TelePresence Management Suite</li> <li>● Total management using embedded SNMP, Telnet, SSH, XML, SOAP</li> <li>● Remote software upload: using web server, secure copy (SCP), HTTP, HTTPS</li> <li>● Cisco TelePresence Touch 10 (optional)</li> <li>● Remote control and on-screen menu system</li> </ul>   |
| <b>Directory Services</b>                 | <ul style="list-style-type: none"> <li>● Support for local directories (My Contacts)</li> <li>● Unlimited entries using server directory supporting LDAP and H.350 (requires Cisco TelePresence Management Suite)</li> <li>● Unlimited number for corporate directory (through Cisco TelePresence Management Suite)</li> <li>● Received calls with date and time</li> <li>● Placed calls with date and time</li> <li>● Missed calls with date and time</li> </ul> |
| <b>Power</b>                              | <ul style="list-style-type: none"> <li>● Auto-sensing power supply</li> <li>● 100 - 240 VAC, 50/60 Hz</li> <li>● Maximum 40 watts for codec and main camera</li> </ul>  |
| <b>Operating Temperature and Humidity</b> | <ul style="list-style-type: none"> <li>● 0°C to 40°C (32°F to 104°F) ambient temperature</li> <li>● 10% to 90% Relative Humidity (RH)</li> </ul>  |
| <b>Storage and Transport Temperature</b>  | <ul style="list-style-type: none"> <li>● -20°C to 60°C (-4°F to 140°F) at RH 10% - 90% (non -condensing)</li> </ul>   |
| <b>SX20 Codec Dimensions</b>              | <ul style="list-style-type: none"> <li>● Width: 11.8 inches (30.0 cm)</li> <li>● Height: 1.4 inches (3.4 cm)</li> <li>● Depth: 7.1 inches (18.0 cm)</li> <li>● Weight: 3.1 pounds (1.4 kg)</li> </ul>   |

## Get More Information

Do you have any question about the CTS-SX20-PHD12X-K9?

Contact us now via [Live Chat](#) or [sales@router-switch.com](mailto:sales@router-switch.com).

## Specification

| CTS-SX20-PHD12X-K9 Specification                   |  |
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18,000+

Customers Trusted



\$20,000,000

Inventory Available



50%-98%

Off Global List Price



100%

Safe Online Shopping

## Contact Us

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