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Refurbished CISCO CTS-SCHOLAR-K9 Datasheet

CISCO > COLLABORATION-ENDPOINTS

Cisco TelePresence System Scholar

Cisco TelePresence System Scholar Specifications	
	Specification
Bandwidth	H.320 up to 2 Mbps H.323 up to 3 Mbps SIP up to 4 Mbps Up to 6 Mbps total Cisco TelePresence MultiSite bandwidth
Firewall traversal	Cisco TelePresence Expressway technology automatic Natural Address Translation (NAT)
Video standards	H.261, H.263, H.263+, H.263++ (Natural Video), and H.264
Video features	Voice switching for VCR recording Intelligent video management Secondary or instructor camera plus 6 presets Primary or student camera plus 6 presets Support for Cisco TelePresence PrecisionHD Camera and Sony EVI-HD1 camera Support for Sony and Panasonic audiovisual equipment
Video inputs (6 inputs)	Up to 2 HD cameras using TVS 2 x S-Video cameras (Cisco Telepresence Wide Angle View Camera) 2 x Composite Docment Camera, DVD, or Aux inputs 1 x SXGA: PC 1 x VNC connection Input: 800 x 600 (at 60, 72, 75, and 85 Hz), 1024 x 768 (at 60, 70, and 75 Hz), and 1280 x 1024 (at 60 Hz)
Video outputs (6 outputs)	2 x RCA/Phono, composite: main and dual monitor 2 x DVI: Primary or secondary XGA output 800 x 600 at 75 Hz, 1024 x 768 at 60 Hz, and 1280 x 768 (WXGA) at 60 Hz VESA monitor power management 1 x MiniDin, S-Video: Main monitor 1 x MiniDin, S-Video: Dual monitor
Video format	NTSC, PAL, VGA, SVGA, XGA, W-XGA, or SXGA 720p
Live video resolutions	HD resolution: HD 448p (576 x 448) HD 720p (1280 x 720) Native NTSC: 4SIF (704 x 480 pixels), Digital Clarity Interlaced SIF (352 x 480 pixels), Natural Video SIF (352 x 240 pixels) Native PAL: 4CIF (704 x 576 pixels), Digital Clarity Interlaced CIF (352 x 576 pixels), Natural Video CIF (352 x 288 pixels) QCIF (176 x 144 pixels) SQCIF (128 x 96 pixels) Native PC resolution: XGA (1024 x 768) SVGA (800 x 600 pixels) VGA (640 x 480 pixels)
Audio standards	G.711, G.722, G.722.1, G.728, 64-bit, and 128-bit MPEG4 AAC-LD
Audio features	CD-quality 20-kHz mono and stereo Telephone add-on through MultiSite Four separate acoustic echo cancellers Audio mixer Automatic gain control (AGC) Automatic noise reduction Audio level meters VCR ducking Custom microphone mute

	Optional stereo package Packet loss management Active lip synchronization Comrex DH-20 telephone add-on device support
Audio inputs (4 inputs)	3 x microphone, 24V phantom powered, XLR connector, each with separate echo cancellers 2 x RCA/Phono, line level: Stereo Aux 1 2 x RCA/Phono, line level: Stereo Aux 2 2 x RCA/Phono, line level: Stereo VCR/DVD 3.5 Min stereo for PC
Audio outputs (5 outputs)	1 x RCA/Phono, S/PDIF (mono and stereo) or 2 x analogue line level: main audio or analogue stereo L 1 x RCA/Phono, line level: Auxiliary (or analog stereo R or VCR Stereo L) 1 x RCA/Phono, line level: VCR (mono or Stereo R) 1 x RCA/Phono, line level for telephone add-on device
Frame rates	30 frames per second at 168 kbps and greater 60 fields per second at 336 kbps and greater (point to point)
Dual stream	DuoVideo and H.239 Available on H.323 and H.320 Available in Cisco Telepresence MultiSite from any site
Network features	Auto H.320 and H.323 dialing SIP Downspeeding Intelligent call management HO on ISDN-PRI facility Maximum call-length timer Automatic SPID and line number configuration (National ISDN and GR-2941-CORE) SoftMux NATO standard KG194/KIV-7 encryptor support H.331 broadcast mode
Cisco TelePresence MultiSite features	H.323, H.320, SIP, telephony, and voice over IP (VoIP) in the same conference Audio and video transcoding Video rate matching from 56 kbps: maximum conference rate CP4, CP 5+1, and voice switched Best impression (automatic CP layouts) H.264, encryption, and Digital Clarity Dual stream from any site ISDN and IP downspeeding and IPLR MultiSite (H.243) cascading on H.320 and H.323 Dial-in and dial-out Chair control for host system Snapshot of ongoing conference (JPEG) Snapshot of ongoing DuoVideo and H.239 presentation (JPEG) Separate welcome page for encrypted conferences Conference rates up to 6 Mbps Up to 6 video and 5 audio sites 4 sites at 2 Mbps and 6 sites at 768 (plus telephone calls) Mixed ISDN (BRI or PRI) or serial interface (V.35) with IP up to maximum conference rate
Embedded encryption	H.320 and H.323 point-to-point and multipoint calls Standards-based: H.233, H.234, H.235 v2&v3, DES, and AES NIST-validated AES NIST-validated DES Automatic key generation and exchange Supported in dual stream and MultiSite
IP network features	H.235 authentication Differentiated services (DiffServ) Resource Reservation Protocol (RSVP) IP precedence IP type of ser vice (ToS) IP adaptive bandwidth management (including flow control) Auto gatekeeper discover y Dynamic playout and lip-sync buffering Intelligent packet loss recovery (IPLR) H.245 DTMF tones in H.323 Cisco Unified Communications Manager integration using ECS IP address conflict warning
Security features	Management using HTTPS IP administration password Menu administration password H.243 MCU password VNC password SNMP security alerts Disable IP services MD-5 Challenge Network settings protection

	SIP authentication using NTLM Security-level access to touch-panel features FIPS 140-2 level 1 certification Touch panel has configurable security and features access
Network interfaces	6 x ISDN BRI (RJ-45), S-interface 1 x E1/T1 G.703 (RJ-45) for ISDN PRI or leased E1/T1 1 x E1/T1 G.703 (RJ-45) for future use 1 x LAN/Ethernet (RJ-45) 10/100 Mbps (LAN, DSL, and cable modem) 1 x X.21, V.35, and RS-449 with RS-366 dialing, leased line, or data-triggered mode 1 x USB
Ethernet, Internet and intranet connectivity	TCP/IP, DHCP, ARP, FTP, Telnet, HTTP, HTTPS, SOAP and XML, and MD-5 Challenge SNMP enterprise management Internal web server Internal streaming server
Other major standards supported	H.231, H.233, H.234, H.235 v2 and v3, H.239, H.241, H.243, H.281, BONDING (ISO 13871), H.320, H.323, and H.331 RFC 3261, RFC 2237, RFC 3264, RC 3311, RFC 3550, RFC 2032, RFC 2190, RFC 2429, and RFC 3407
Cisco TelePresence Wide Angle View Camera	10 x zoom ¼-in. CCD 15- to -20-degree tilt +/-95-degree pan 61-degree vertical field of view 96-degree total vertical field of view 77-degree horizontal field of view 267-degree total horizontal field of view 460 (PAL) or 470 (NTSC) TV lines Minimum illumination 2 Lux (F1.8) Automatic or manual focus, brightness, and white balance Far-end camera control Remote-source switching with source labels Camera control and presets
Cisco TelePresence PrecisionHD Camera	1280 x 720 pixels progressive at 30 frames per second (fps) 7 x zoom 1/3-in. CMOS, 10- to -20-degree tilt and +/-95-degree pan 42-degree vertical field of view
Touch-panel interface	10.4-in. color video Configurable, easy-to-use human interface Built-in speakers that provide audio cues for local operation Full control of a wide variety of audiovisual devices
Presentations and collaboration	Natural Presenter Package including: PC Presenter (DVI-I and SXGA In) PC SoftPresenter Digital Clarity and native formats Advanced video layouts Streaming compatible with Cisco IP/TV, Apple QuickTime, RealPlayer v8, etc.
System management	Support for the Cisco TelePresence Management Suite Total management through embedded web server, SNMP, Telnet, XML, SOAP, and FTP Remote software upload through web server or FTP server Remote control and on-screen menu system Web access to user interface
Directory services	100-number local director y Call history
Language	English
Power	100 to 240 VAC, 50 and 60 Hz, and 150W Codec 6000 MXP 100 to 240 VAC, 50 to 60 Hz, and 65W for codec and camera Total power dependent on display type
Operating temperature and humidity	32 to 95°F (0 to 35°C) ambient temperature 10 to 90% relative humidity
Storage and transport temperature	-4 to 140°F (-20 to 60°C) at 10 to 90% relative humidity (noncondensing)
Dimensions	3RU high, 19-in. rack mount, and 12-in. deep Codec 6000 MXP: 1RU high, 19-in. rack mount, and 11-in. deep
Footprint of optional slimline podium (W x D x H)	58.22 x 32.75 x 40 in. (149.7 x 83.1 x 101.6 cm)

The next steps...

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