Cisco TelePresence 1700 MXP

Side view

The Cisco TelePresence™ portfolio creates an immersive, face-to-face experience over the network - empowering you to collaborate with others like never before. Through a powerful combination of technologies and design that allows you and remote participants to feel as if you are all in the same room, the Cisco TelePresence portfolio has the potential to provide great productivity benefits and transform your business. Many organizations are already using it to control costs, make decisions faster, improve customer intimacy, scale scarce resources, and speed products to market.

Product Overview

Personal TelePresence designed for the office, the Cisco TelePresence 1700 MXP features a superior HD camera and a widescreen LCD. This fully integrated system enables seamless face-to-face TelePresence collaboration right at the desktop.

Cisco TelePresence 1700 MXP Features

Table 1 summarizes the key features for the Cisco TelePresence 1700 MXP.

Table 1.   Cisco TelePresence 1700 MXP Feature Summary

Feature Summary	
Design Features	• All-in-one executive control center designed for offices • Compact HD Camera • Integrated 20" widescreen LCD • Powerful presentation, multimedia and conferencing capabilities
Application Features	• Join up to four video sites and three audio sites with embedded Cisco TelePresence MultiSite (MultiSite) functionality • Best possible call for each MultiSite participant with rate matching and transcoding • Cisco TelePresence Multiway technology intuitively and instantly integrates multiple-party video calls utilizing a Cisco TelePresence MCU and Cisco Video Communication Server • Powerful live presentations through one-step PC plug-in • View presentations and presenter simultaneously • Cisco TelePresence Expressway technology • URI Dialing

Feature Summary	
Performance Features	• Up to 2 Mbps H.323/2 Mbps SIP/2.3 Mbps total MultiSite • Highest level of embedded encryption as well as H.235 and IEEE 802.1x authentication • True CD-quality audio • Protection against network interruptions in point-to-point and multipoint calls with automatic downspeeding and IPLR • Superior video quality incorporating the H.264 standard

Product Capabilities

Table 2 provides a listing of the product capability specifications for the Cisco TelePresence 1700 MXP.

Table 2. Product Specifications

Specification	Description
Unit Delivered Complete With:	• Integrated HD Camera with camera cover, 20" Widescreen LCD, wireless remote control, microphone and cables
LCD Screen	• Widescreen LCD (16:9) • Wide-view angle screen • WXGA; 1366 x 768 • Auto or manual brightness
Bandwidth	• H.323 up to 2 Mbps • SIP up to 2 Mbps
Firewall Traversal	• Cisco TelePresence Expressway technology • Auto NAT • H.460.18, H.460.19 Firewall Traversal • SIP ICE
Video Standards	• H.261, H.263, H.263+, H.263++ (Natural Video), H.264
Video Features	• Native 16:9 Widescreen • Advanced Screen Layouts • Picture in Picture (PIP) • Picture outside Picture (POP) & Large POP • Side by Side • PC Zoom • Intelligent Video Management • Local Auto Layout
Video Inputs	• 1 x DVI-I/SXGA: PC • PC using VNC (SoftPresenter) • 1 x DVI-I: PC • Input: 800 x 600 (@ 60, 72, 75, 85 Hz), 1024 x 768 (@ 60, 70, 75 Hz), 1280 x 720 (HD720P) (@ 50, 60 Hz), 1280 x 1024 @ 60/Hz, 1280x768, 1280x800, 1360x768, 1366x768 (@60 Hz) • Output: 1280x800 @ 60 Hz • Extended Display Identification Data (EDID)
Video Format	• NTSC, PAL, VGA, SVGA, XGA, WXGA, SXGA and HD720p
Live Video Resolutions	**Native NTSC:** • 400p (528 x 400 pixels) • 4SIF (704 x 480 pixels), Digital Clarity • Interlaced SIF (iSIF 352 x 480 pixels), Natural Video (receive only) • SIF (352 x 240 pixels) **Native PAL:** • 448p (576 x 448 pixels) • 4CIF (704 x 576 pixels), Digital Clarity • Interlaced CIF (iCIF 352 x 576 pixels), Natural Video (receive only) • CIF (352 x 288 pixels) • QCIF (176 x 144 pixels) • SQCIF (128 x 96 pixels) decode only **Native PC Resolutions:** • XGA (1024 x 768 pixels)

Specification	Description
	• SVGA (800 x 600 pixels) • VGA (640 x 480 pixels) • WXGA (1280x768) **Wide Resolutions:** • w288p (512 x 288 pixels) • w448p (768 x 448 pixels) • w576p (1024 x 576 pixels) • w720p (1280 x 720 pixels)
Still Image Transfer	• CIF, SIF, 4CIF (H.261 Annex D), 4SIF, VGA, SVGA, XGA, WXGA
Audio Standards	• G.711, G.722, G.722.1, G.728, 64 bit & 128 bit MPEG4 AAC-LD
Audio Features	• CD-Quality 20 KHz Mono and Stereo • Telephone add-on via MultiSite • Two separate acoustic echo cancellers • Audio mixer • Automatic Gain Control (AGC) • Automatic Noise Reduction • Audio level meters • VCR ducking • Packet loss management • Active lip synchronization • GSM interference audio feature • ALD (Assistive Listening Devices) support with acoustic echo cancellation
Privacy Feature	• Headset Microphone: 3.5mm jack • Headset Loudspeaker: 3.5mm stereo jack
Audio Inputs (2 Inputs)	• 2 Built-in microphones • PC Audio input: 3.5mm stereo jack
Frame Rates	• 30 frames per second @ 168 kbps and above • 60 fields per second @ 336 kbps and above (
Dual Stream	• DuoVideo • H.239 dual stream • Dynamic bandwidth adjustment (H.323) • Available on H.323 and SIP • Available in MultiSite from any site • BFCP
Network Features	• SIP • IP Downspeeding • Programmable network profiles • Intelligent Call Management • Maximum call length timer • URI Dialing • Direct DNS dialing
Multisite Features	• H.323/SIP/Telephony/VoIP in the same conference • Audio and Video Transcoding • Video rate matching from 56 kbps - maximum conference rate • CP4 and Voice Switched • Best Impression (Automatic CP Layouts) • H.264, Encryption, Digital Clarity • Dual Stream from any site • ISDN & IP downspeeding and IPLR • MultiSite (H.243) Cascading on H.323 • Unicode H.243 Terminal Names • Dial-in/Dial-out • Chair control for host system • Snapshot of ongoing conference (JPEG) • Snapshot of ongoing DuoVideo/H.239 presentation (JPEG) • Separate welcome page for encrypted conferences • Conference rates up to 2.3 Mbps

Specification	Description
	• Up to 4 video and 3 audio sites • 4 sites @ 768 kbps (+telephone calls) • Multiway (Beta)
Embedded Encryption	• H.323 and SIP 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 & MultiSite
IP Network Features	• IEEE 802.1x/EAP Network Authentication • H.235 Gatekeeper Authentication • DNS lookup for service configuration • Differentiated Services (DiffServ) • Resource Reservation Protocol (RSVP) • IP precedence • IP Type of Service (ToS) • IP adaptive bandwidth management (including flow control) • Auto gatekeeper discovery • 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 • Date and Time support via NTP • Call Services
IPv6 Network Support	• Dual Stack IPv4 and IPv6 simultaneous support • Net service support on IPv6: Telnet, SSH, HTTP, HTTPS, FTP, SNMP, DNS, NTP, DHCP • Media support on IPv6: H.323, SIP, Streaming
Security Features	• Management via HTTPS and SSH • IP Administration Password • Menu Administration Password • Dialing Access code • Streaming Password • H.243 MCU Password • VNC Password • SNMP security alerts • Disable IP services • MD-5 Challenge • Network Settings protection • SIP Authentication via NTLM • SIP Authentication via Digest • FIPS Mode
Network Interfaces	• Internal 2 port Ethernet switch • 1 x LAN/Ethernet (RJ-45) 10/100 Mbit for PC • 1 x LAN/Ethernet (RJ-45) 10/100 Mbit (LAN/DSL/cable modem) • 1 x USB (not used)
Ethernet/Internet/Intranet Connectivity	• TCP/IP, DHCP, ARP, FTP, Telnet, HTTP, HTTPS, SOAP and XML, 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&v3, H.239, H.241, H.243, H.281, H.323 • R FC 3261, RFC 2237, RFC 3264, RC 3311, RFC 3550, RFC 2032, RFC 2190, RFC 2429, RFC 3407

Specification	Description
Camera	• 1/3" CMOS 65°horizontal field of view • 38°vertical field of view (monitor and camera tilt) • 88°total vertical field of view (with monitor and came ra tilt) • Manual focus • Automatic or manual brightness/whitebalance • Focus distance 0.3m-infinity • 1280 x 720 pixels progressive @ 30fps
Closed Captioning/Text Chat	• T.140 text chat available from Telnet, Web and User Interface
Presentations and Collaboration	• Natural Presenter Package including: • PC Presenter (DVI-I, SXGA In) • PC SoftPresenter • Digital Clarity & Native Formats • Advanced Video Layouts • Streaming compatible with Cisco IP/TV, Apple QuickTime, RealPlayer v8, etc.
System Management	• Support for Local Directories (My Contacts), Corporate Directory and Global Directory • Total management via embedded web server, SNMP, Telnet, SSH, FTP and SOAP • Remote software upload: via Web server, FTP server or ISDN • 1 x RS-232 local control and diagnostics • Remote control and on-screen menu system • External Services from Cisco TelePresence Management Suite
Directory Services	• Support for Local, Global and Dynamic Server Directories • Unlimited entries using Server directory[*] supporting LDAP and H.350 • Unlimited number for Corporate directory (through by Cisco TelePresence Management Suite) • 400 number global directory • 200 number local directory • 16 dedicated MultiSite entries • Directories in Local Languages • Received Calls with Date and Time • Placed Calls with Date and Time • Missed Calls with Date and Time
24 Selectable Menu Languages	• Arabic, Simplified Chinese, Traditional Chinese, Catalonian, Czech, Danish,Dutch, English, Finnish, French, German, Hungarian[**], Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian[**], Russian, Spanish, Swedish, Welsh, Turkish[**], and Thai • Import Custom Language through Cisco TelePresence Management Suite
Customized Welcome Screen and Company Logo	• Picture JPEG (logo.jpg): Recommended maximum size is 704x576 for Welcome Screen and 352x288 for Encryption Required Screen
Power	• Auto-sensing power supply 100-250 VAC, 50-60 Hz 120W MAX
Operating Temperature and Humidity	• 0℃ to 40℃ (32℉ to 104℉) ambient temperature • Up to 90% Relative Humidity (RH)
Storage and Transport Temperature	• -20℃ to 60°(-4℉ to 140℉) at RH 10-90% (non-conden sing)
Unit Dimensions	• Height: 51.0 cm (20.1 inches) • Width: 50.0 cm (19.7 inches) • Depth: 16.0 cm (6.3 inches) Footprint: 35.4 cm (13.9 inches) wide x 16.0 cm (6.3 inches) deep • Weight: 9,90 kg (21.8 lbs)

[*] Requires Cisco TelePresence Management Suite 9 or newer.
[**] These languages must be uploaded using the "Add Language" feature in the Menu, or the web interface.

Regulatory Compliance

- Directive 73/23/EEC (Low-Voltage Directive) - Standard EN 60950-1/IEC60950-1

- Directive 89/336/EEC (EMC Directive) - Standard EN 55022, Class A- Standard EN 55024 - Standard EN 61000-3-2/-3-3

- Approved according to UL 60950-1and CAN/CSA C22.2 No. 60950-1

- Complies with FCC15B Class A

Ordering Information

To place an order, please contact your Cisco sales representative.

Table 3.   Ordering Information

Product Name	Part Number
Cisco TelePresence System 1700 MXP	**CTS-1700-K9**
Comes with: Cisco TelePresence System 1700 MXP unit, remote control, cables	
Software Feature Options	
Natural Presenter Package option for 1700 MXP	LIC-1700-NPP
Multi Site option for 1700 MXP	LIC-1700-MS

Service and Support

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your Cisco TelePresence investment by increasing business agility and network availability. This portfolio of services accelerates business innovation through a network-based collaboration platform that enables businesses to collaborate anywhere, anytime. For more information about these services, visit: http://www.cisco.com/go/telepresenceservices.

For More Information

For more information about the Cisco TelePresence 1700, visit http://www.cisco.com/go/telepresence or contact your local Cisco account representative or authorized Cisco partner. Product specifications are estimates and subject to change without notice.

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