

## TANDBERG / CISCO Edge95 met Multi-Site optie

Join up to four video and three audio sites with optional embedded Multi-Site and bandwidth capabilities.

Best possible call for each Multi-Site participant with rate matching and transcoding.

Multi-way intuitively and instantly integrates multiple-party video calls utilizing a TANDBERG MCU and VCS.

Powerful live presentations through one-step PC plug-in or LAN connection.

View presentations and presenter simultaneously with DuoVideo and H.239 Dual Stream.

Choice of network: up to 512 kbps ISDN (H.320)/2 Mbps IP (H.323 or SIP).

Highest level of embedded encryption as well as H.235 and IEEE 802.1x authentication.

Protection against network interruptions in point-to-point and multipoint calls with automatic down speeding and IPLR.

Superior video quality incorporating the H.264 standard.



Model	Tandberg TelePresence System Edge 95 MXP
Unit components	Wireless remote control, Cisco TelePresence PrecisionHD Camera, microphone, and cables
Default bandwidth	Cisco TelePresence System Edge 95 MXP: H.320: 512 kbps H.323 and SIP: 2 Mbps
Firewall traversal	Cisco TelePresence Expressway technology Automatic Network Address Translation (NAT) H.460.18 and H.460.19 firewall traversal

	SIP Interactive Connectivity Establishment (ICE)
Video standards	H.261, H.263, H.263+, H.263++ (natural video), and H.264
Video features	Native 16:9 widescreen Advanced screen layouts Picture-in-picture (PIP) Picture-outside-picture and large picture-outside-picture Side by side PC zoom Intelligent video management Simultaneous videoconference and local PC mode Local autolayout
Video inputs (5 inputs)	1 x 9 PinDSUB: HD main camera 1 x MiniDin, S-video: auxiliary or document camera 1 x RCA/Phono, composite: auxiliary or document camera 1 x RCA/Phono, composite: VCR 1 x DVI-I: PC Input: 800 x 600 (at 60, 72, 75, and 85 Hz); 1024 x 768 (at 60, 70, and 75 Hz); 1280 x 720 (HD720P; at 50 and 60 Hz); 1280 x 1024 (at 60 Hz); and 1280 x 768, 1280x800, 1360x768, and 1366x768 (at 60 Hz) Extended display identification data (EDID)
Video outputs (4 outputs)	1 x MiniDin, S-video: main monitor 1 x RCA/Phono, composite: main monitor or VCR 1 x RCA/Phono, composite: dual monitor or VCR 1xDVI-1/XGA: main or second monitor XGA output 800 x 600 at 75 Hz, 1024 x 768 at 60 Hz, 1280 x 768 (WXGA) at 60 Hz, 1280 x 720 (HD720p) at 60 Hz, and 1280 x 800 at 60 Hz VESA monitor power management
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 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 CIF (352 x 288 pixels) QCIF (176 x 144 pixels) SQCIF (128 x 96 pixels); decode only  Native PC resolutions: XGA (1024 x 768) SVGA (800 x 600 pixels) VGA (640 x 480 pixels)

	<p>WXGA (1280 x 768 pixels)</p> <p>Wide resolutions:  w288p (512 x 288 pixels)  w448p (768 x 448 pixels)  w576p (1024 x 576 pixels)  w720p (1280 x 720 pixels)</p>
Still image transfer	CIF, SIF, 4CIF (H.261 Annex D), 4SIF, VGA, SVGA, XGA, and WXGA
Audio standards	G.711, G.722, G.722.1, G.728, and 64-bit and 128-bit MPEG4 AAC-LD
Audio features	<p>CD-quality 20-kHz mono and stereo</p> <p>Telephone add-on using MultiSite</p> <p>Two separate acoustic echo cancellers</p> <p>Audio mixer</p> <p>Automatic gain control (AGC)</p> <p>Automatic noise reduction</p> <p>Audio-level meters</p> <p>VCR ducking</p> <p>Optional stereo package</p> <p>Packet loss management</p> <p>Active lip synchronization</p> <p>GSM and RIM Blackberry interference audio feature</p> <p>Assistive listening device (ALD) support with acoustic echo cancellation</p>
Audio inputs (4 inputs)	<p>2 x microphone, 24V phantom powered, XLR connector</p> <p>1 x RCA/Phono, line level: auxiliary (or VCR stereo L)</p> <p>1 x RCA/Phono, line level: VCR/DVD (stereo R)</p>
Audio outputs (2 outputs)	<p>1 x RCA/Phono, S/PDIF (mono and stereo) or analog line level: main audio or analog stereo L</p> <p>1 x RCA/Phono, line level: VCR or analog stereo R</p>
Frame rates	30 frames per second (fps) at 168 kbps and higher
Dual Stream	<p>DuoVideo</p> <p>H.239 and Binary Floor Control Protocol (BFCP) Dual Stream</p> <p>Dynamic bandwidth adjustment (H.323)</p> <p>Available on SIP, H.323, and H.320</p> <p>Available in MultiSite from any site (Cisco TelePresence System Edge 95 MXP only)</p>
Network features	<p>Auto H.320 and H.323 dialing</p> <p>SIP</p> <p>Downspeeding</p> <p>Programmable network profiles</p> <p>Intelligent call management</p> <p>Maximum call length timer</p> <p>Automatic service provider ID (SPID) and line number configuration (national ISDN and GR-2941-CORE)</p> <p>SoftMux</p>

	<p>H.331 broadcast mode          URI dialing          Direct Domain Name System (DNS) dialing</p>
MultiSite features	<p>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 and voice switched          Best impression (automatic control protocol 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          Unicode H.243 terminal names          Dial in and dial out          Chair control for host system          Snapshot of ongoing conference (JPEG)          Snapshot of ongoing DuoVideo or H.239 presentation (JPEG)          Separate welcome page for encrypted conferences          Conference rates of up to 2.3 Mbps with optional bandwidth upgrade (1.5 Mbps is standard conference rate)          Up to 4 video and 3 audio sites          4 sites at 768 kbps (plus telephone calls)          Mix ISDN Basic Rate Interface (BRI) and IP up to maximum conference rate</p>
Embedded encryption	<p>H.320 and H.323 point-to-point and multipoint calls          Standards-based: H.233, H.234, H.235 v2 and v3, Data Encryption Standard (DES), and Advanced Encryption Standard (AES)          NIST-validated AES          NIST-validated DES          Automatic key generation and exchange          Supported in Dual Stream and MultiSite</p>
IP network features	<p>IEEE 802.1x and Extensible Authentication Protocol (EAP) network authentication          H.235 gatekeeper authentication          DNS lookup for service configuration          Differentiated services (DiffServ)          IP precedence          IP type of service (ToS)          IP adaptive bandwidth management (including flow control)          Autogatekeeper discovery          Dynamic playout and lip-sync buffering          IPLR          H.245 dual-tone multi-frequency (DTMF) tones in H.323          Cisco Unified Communications Manager integration through gatekeeper or SIP trunk          IP address conflict warning          Date and time support through Network Time Protocol (NTP)</p>

	Call services
IPv6 network support	Dual-stack IPv4 and IPv6 simultaneous support Net service support on IPv6: Telnet, SSH, HTTP, HTTPS, FTP, Simple Network Management Protocol (SNMP), DNS, NTP, and Dynamic Host Configuration Protocol (DHCP) Media support on IPv6: H.323, SIP, and streaming
Security features	Management through HTTPS and SSH IP administration password Menu administration password Dialing access code Streaming password H.243 MCU password Virtual network computing (VNC) password SNMP security alerts Disable IP services MD-5 challenge Network settings protection SIP authentication through NT LAN Manager (NTLM) SIP authentication through digest
Network interfaces	4 x ISDN BRI (RJ-45), S-interface 1 x LAN and Ethernet (RJ-45) 10/100 Mbps (LAN, DSL, and cable modem) 1 x USB for future use
Ethernet, Internet, and intranet connectivity	TCP/IP, DHCP, Address Resolution Protocol (ARP), FTP, Telnet, HTTP, HTTPS, Simple Object Access Protocol (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 PrecisionHD Camera	7 x zoom 1/3-inch complementary metal oxide semiconductor (CMOS) with 10 to -20° tilt and + or - 90° pan 42° vertical field of view 72° total vertical field of view 70° horizontal field of view 250° total horizontal field of view Focus distance of 0.3m to infinity 1280 x 720 pixels progressive at 30fps Automatic or manual focus, brightness, and white balance Far-end camera control 15 near- and far-end camera presets Voice-activated camera positioning Daisy-chain support (Visca protocol camera)
Closed captioning and text chat	T.140 text chat available from Telnet, web, and user interface

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 (Cisco TMS) Total management through embedded web server, SNMP, Telnet, SSH, FTP, and SOAP Remote software upload: through 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 TMS
Directory services	Support for local directories (My Contacts), corporate directory, and global directory Unlimited entries using server directory supporting Lightweight Directory Access Protocol (LDAP) and H.350 Unlimited numbers for corporate directory (through Cisco TMS) 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
Customized welcome screen and company logo	Picture JPEG (logo.jpg): Recommended maximum size is 704 x 576 for welcome screen and 352 x 288 for encryption required screen
Power	Autosensing power supply 100 to 250 VAC and 50 to 60 Hz 40 watts (W) maximum
Operating temperature and humidity	32 to 95°F ambient temperature 10 to 90% relative humidity (RH)
Storage and transport temperature	-4 to 140°F at RH 10 to 90% (noncondensing)
Dimensions	16.9"H x 5.7"W x 9"D
Weight	7.7 lb