

Edge 95/85/75 MXP

Connect team members for more productive meetings with the TANDBERG Edge MXP Series. These easy-to-install units turn a meeting room with a flat screen into an interactive situation room for improved teamwork and accelerated decision-making.



HD Superior video quality with the TANDBERG PrecisionHD Camera

PROTECT YOUR TECHNOLOGY INVESTMENT WITH TANDBERG'S PORTFOLIO OF CONSTANT CARE SERVICES. VISIT WWW.TANDBERG.COM

DESIGN FEATURES

- Designed for medium to small meeting rooms
- Transforms a flat panel display into a high definition, interactive meeting space
- TANDBERG PrecisionHD Camera

APPLICATION FEATURES

- Join up to four video and three audio sites with optional embedded MultiSite and bandwidth capabilities
- Best possible call for each MultiSite participant with rate matching and transcoding
- Multiway intuitively and instantly integrates multipleparty 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
- TANDBERG Expressway™ Technology
- URI dialing

PERFORMANCE FEATURES

- Choice of network: up to 512 kbps ISDN (H.320)/2 Mbps IP (H.323 or SIP)
- PC card slot for wireless LAN connection
- 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-topoint and multipoint calls with automatic downspeeding and IPLR
- Superior video quality incorporating the H.264 standard



UNIT DELIVERED COMPLETE WITH:
Wireless remote control, TANDBERG PrecisionHD Camera,
microphone and cables

BANDWIDTH

H.320 up to 512 kbps H.323 & SIP up to 2 Mbps 85 MXP:

H.320 up to 384 kbps H.323 & SIP up to 1.1 Mbps 75 MXP:

H.320 up to 128 kbps H.323 & SIP up to 768 kbps

FIREWALL TRAVERSAL TANDBERG 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 & Large POP Side by Side PC Zoom

PC 200m Intelligent Video Management Simultaneous videoconference & local PC mode Local Auto Layout

VIDEO INPUTS (5 INPUTS)

1 x 9 PinDSUB: HD Main Camera

1 x MinDin, S-video: auxiliary/document camera

1 x RCA/Phono, composite: document camera/aux

1 x RCA/Phono, composite: VCR

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,

1280 x 786, 1280x 800, 1360x 768, 1366x 768 (@ 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

1 x DCA/Phono, composite: dual monitor or VCR

1 x DCA/Dittut

XGA Output 800 x 600 @ 75 Hz, 1024 x 768 @ 60 Hz, 1280 x 768 (WXGA) @ 60 Hz, 1280 x 720 (HD720p) @ 60 Hz, 1280x800 @ 60 Hz VESA Monitor Power Management

VIDEO FORMAT NTSC, PAL, VGA, SVGA, XGA, WXGA, SXGA and HD720p LIVE VIDEO RESOLUTIONS NATIVE NTSC:

NATIVE NISC.
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)

WATIVE 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)
CIF (176 x 144 qixels)

SOCIF (128 x 96 pixels) decode only NATIVE PC RESOLUTIONS:

NATIVE PC RESOLUTION XGA (1024 x 768) 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 MPEG4AAC-LD

AUDIO FEATURES CD-Quality 20KHz Mono and Stereo Telephone add-on via MultiSite Two separate acoustic echo cancellers

Audio mixer Automatic Gain Control (AGC) Automatic Noise Reduction

Automatic Noise Reduction
Audio level meters
VCR ducking
Optional Stereo Package
Packet loss management
Active lip synchronization
GSM/Blackberry interference audio feature
ALD (Assistive Listening Devices) support with acoustic
echo cancellation

AUDIO INPUTS (4 INPUTS)
2 x microphone, 24V phantom powered, XLR connector
1 x RCA/Phono, Line Level: auxiliary (or VCR Stereo L)
1 x RCA/Phono, Line Level: VCR/DVD (Stereo R)

AUDIO OUTPUTS (2 OUTPUTS)

1 x RCA/Phono, S/PDIF (mono/stereo) or Analogue
Line Level: main audio or Analogue Stereo L

1 x RCA/Phono, Line Level: VCR or Analogue Stereo R

FRAME RATES
30 frames per second @ 168 kbps and above
60 fields per second @ 336 kbps and above (point-to-point)

DUAL STREAM

Duovideo H.239 dual stream Dynamic bandwidth adjustment (H.323) Available on H.323 & H.320 Available in MultiSite from any site (95 & 85 MXP only)

NETWORK FEATURES Auto H.320/H.323 dialii

SIP
Downspeeding
Programmable network profiles
Intelligent Call Management
Maximum call length timer
Automatic SPID and line number configuration
(National ISDN, GR-2941-CORE)

NATO standard KG194/KIV-7 encryptor support**

URI Dialing Direct DNS dialing

MULTISITE FEATURES (95 & 85 MXP ONLY)

H.323/H.320/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.320 & 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)
Sparate welcome page for encrypted conferences
Conference rates 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 @ 768 kbps (+telephone calls) Mix ISDN-BRI and 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 & 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

Dynamic playout and injerying buffering Intelligent Packet Loss Recovery (IPLR) H.245 DTMF tones in H.323 Cisco CalliManager 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 NETWORK INTERFACES

4 x ISDN BRI (RJ-45), S-interface 1 x LAN/Ethernet (RJ-45) 10/100 Mbit (LAN/DSL/cable modem) 1 x PC card slot (PCMCIA) for wireless LAN

1 x USB for future usage

WIRELESS LAN SUPPORT Compliant with IEEE 802.11b, up to 11 Mbit Support for 64/128 bit encryption (WEP)

Infrastructure or ad-hoc mode 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, BONDING (ISO 13871), H.320, H.323, H.331 RFG 3261, RFC 2237, RFC 3264, RC 3312, RFC 3550, RFC 2032, RFC 2190, RFC 2429, RFC 3407

PRECISIONHD CAMERA
7 x zoom 1/3" CMOS +10*/-20* tilt +/- 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 0.3m-infinity 1280 x 720 pixels progressive @ 30fps

Automatic or manual focus/brightness/whitebalance

Far-end camera control

15 near- and far-end camera presets Voice-activated camera positioning Daisy-chain support (Visca protocol camera)

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 the TANDBERG Management Suite
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 TMS

DIRECTORY SERVICES

Support for Local Directories (My Contacts),
Corporate Directory and Global Directory
Unlimited entries using Server directory* supporting

Unlimited number for Corporate directory (through 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

17 SELECTABLE MENU LANGUAGES
Arabic, Simplified Chinese, Traditional Chinese, Danish, English, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Suomi, Swedish and Thai Chinese, Korean and Japanese Input Method Editor Import Custom Language through TMS

CUSTOMIZED WELCOME SCREEN AND COMPANY LOGO

Picture JPEG (logo.jpg): Recommended maximum s is 704x576 for Welcome Screen and 352x288 for Encryption Required Screen.

40 watts max

POWER Auto-sensing power supply 100–250 VAC, 50–60 Hz

OPERATING TEMPERATURE AND HUMIDITY

10% to 90% Relative Humidity (RH)

STORAGE AND TRANSPORT TEMPERATURE

-20° C to 60° C (-4° F to 140° F) at RH 10-90% (non-condensing)

APPROVALS
Directive 73/23/EEC (Low-Voltage Directive)
- Standard EN 60950
Directive 89/336/EEC (EMC Directive)
- Standard EN 55022, Class B
- Standard EN 55024

- Standard EN 61000-3-2/-3-3 Directive 1999/5/EEC (R&TTE Directive) - Standard TBR3 Approved according to UL 60950 and CAN/CSA C22.2

No.60950 Complies with FCC15B Class B UNIT DIMENSIONS

Height: 16.9"/42.9cm Width (including footstand): 5.7"/14.5cm Depth (including footstand): 9.0"/22.8cm Weight: 7.7 lbs/3.5 kg

*Requires TANDBERG Management Suite 9 or newer. **Optional equipment, must be specified at the time of order, Serial Port replaces ISDN BRI.

All specifications subject to change without notice,

system specifics may vary. All images in these materials are for representational

purposes only, actual products may differ.

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All other trademarks are property of their respective owners. MTBF PRODUCT RELIABILITY/MTBF The predicted reliability is expressed in the expected random Mean Time Between Failures (MTBF) for the electronic components based on the Power On Hours: Power On Hours (POH) > 69,000 hours

ISO 9001 Certificate is available upon request

Useful Life Cycle > 6 years

TANDBERG Edge 95/85/75

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March 2009