TANDBERG

1500
MXP

Designed for executive offices, this powerful system features a 17" widescreen LCD that can double as a PC monitor to save valuable workspace. Fully-integrated system offers wireless capability, embedded security and advanced presentation capabilities.

LCD can be used as PC monitor.

DESIGN FEATURES

- Designed for executive offices
- Elegantly designed all-in-one conference & presentation system
- Integrated 17" widescreen LCD
- Powerful presentation, multimedia and conferencing capabilities

APPLICATION FEATURES

- LCD can be used as PC monitor
- Join up to 4 video and 3 audio sites with optional embedded MultiSite functionality
- Best possible call for each MultiSite participant with rate matching and transcoding
- Powerful live presentations through one-step PC plug-in
- SIP
- View presentations and presenter simultaneously
- Firewall traversal with TANDBERG Expressway™
- URI Dialing

PERFORMANCE FEATURES

- Up to 2 Mbps H.323 / 2 Mbps SIP / optional 512 kbps H.320 / 2.3 Mbps total MultiSite
- PC card slot for wireless LAN connection
- Highest level of standards-based embedded encryption (AES) is included
- 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

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UNIT DELIVERED COMPLETE WITH:
17" Wide Screen LCD, Wireless remote control,
 Integrated Camera, microphone, and cables

LCD SCREEN
Wide Screen LCD (16:9)
Wide view angle screen
XGA resolution
Auto or manual brightness

BANDWIDTH
H.320 up to 512 kbps
H.323 up to 2 Mbps
SIP up to 2 Mbps

FIREWALL TRAVERSAL
Firewall traversal with TANDBERG Expressway™
Auto NAT

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)
Side by Side
PC Zoom
Intelligent Video Management

VIDEO INPUTS
1 x SXGA (PC Input - DVI-I)
PC using VNC (*Soft*Presenter)
SXGA INPUT
Input: 800 x 600 (@ 60, 72,75,85 Hz), 1024 x 768
 (@ 60, 70, 75 Hz), 1280 x 1024 @ 60/Hz
Extended Display Identification Data (EDID)

VIDEO FORMAT
NTSC, PAL, VGA, SVGA, XGA, W-XGA, or SXGA

LIVE VIDEO RESOLUTIONS
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) decode only
NATIVE PC RESOLUTIONS:
XGA (1024 x 768 pixels)
SVGA (800 x 600 pixels)
VGA (640 x 480 pixels)

STILL IMAGE TRANSFER
CIF, SIF, 4CIF (H.261 Annex D), 4SIF, VGA, SVGA, XGA

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
Audio mixer
Automatic Gain Control (AGC)
Automatic Noise Reduction
Audio level meters
VCR ducking

PRIVACY FEATURE
Headphone, 2.5 mm mini jack

AUDIO INPUTS (2 INPUTS)
Built in microphone
2 x RCA / Phono, Line Level: Stereo L/R

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

DUAL STREAM
Duo Video & H.239
Available on H.323 & H.320
Available in MultiSite from any site

NETWORK FEATURES
Auto H.320 / H.323 dialing
SIP
Downspeeding
Programmable network profiles
Intelligent Call Management
Maximum call length timer
Automatic SPID and line number configuration
 (National ISDN, GR-2941-CORE)
Soft*Mux*
H.331 Broadcast Mode
URI Dialing

MULTISITE FEATURES
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
Dial in / Dial out
MultiSite (H.243) Cascading on ISDN & IP
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
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
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 CallManager integration using ECS
IP Address Conflict Warning

SECURITY FEATURES
Management via HTTPS
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 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

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, H.235 v2&v3, H.239,
 H.241,H.243, H.281, BONDING (ISO 13871), H.320,
 H.323,H.331, RFC 3261, RFC 2237, RFC 3264, RC 3311,
 RFC 3550, RFC 2032, RFC 2190, RFC 2429, RFC 3407

CAMERA
1/4" CCD
+15° / -20° tilt
+30° / -30° monitor pan
752(H) x 582(V) resolution
Lens: f=4 mm F1:1.2
64° horizontal field of view
49° vertical field of view
130° total horizontal field of view (with monitor pan)
Minimum illumination 5.0 lux (video output 50%, AGC on)
Manual focus
Locked optic iris Auto white balance

CLOSED CAPTIONING/TEXT CHAT
T.140 text chat, available from RS-232, Telnet or Web

PRESENTATIONS AND COLLABORATION
Natural Presenter Package including:
PC Presenter (DVI-I, SXGA In)
PC *Soft*Presenter
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 and FTP
Remote software upload :via web server or FTP server
1 x RS-232 local control and diagnostics
Remote control and on-screen menu system

DIRECTORY SERVICES
Support for Local, Global and Dynamic Server Directories
Unlimited entries using Server directory* supporting
 LDAP and H.350
400 number global director y
100 number local director y
16 dedicated MultiSite entries
Last Number Called
Missed Calls
Directories in Local Languages

13 SELECTABLE MENU LANGUAGES
Simplified Chinese,Traditional Chinese English,
 French, German, Italian, Japanese, Korean, Norwegian,
 Portuguese, Russian, Spanish and Swedish

**CUSTOMIZED WELCOME SCREEN AND
COMPANY LOGO**

POWER
Auto-sensing power supply
100 – 250 VAC, 50 – 60 Hz
40 watts max. for codec
50 watts max for monitor

OPERATING TEMPERATURE AND HUMIDITY
0° C to 35° C (32° F to 95° F) ambient temperature
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)

UNIT DIMENSIONS
Height: 44.4 cm (17.5 inches)
Width: 54.4 cm (21.4 inches)
Depth: 19.9 cm (7.8 inches)
Footprint: 37.6 cm(14.8 inches) wide x 18.9 cm
(7.4 inches)deep
Weight: 8.35 kgs (18.4 lbs)

* Requires TANDBERG Management Suite 9.0 or newer

*System features vary depending on network selection
and software package. All specifications subject to
change without notice.*

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