



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 sites and 3 audio sites with 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 ready
- View presentations and presenter simultaneously

PERFORMANCE FEATURES

- Choice of network: IP up to 2 Mbps, optionally with ISDN up to 512 kbps
- 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 multi-point calls with automatic Downsampling and IPLR
- Superior video quality incorporating the H.264 standard

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

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)
Intelligent Video Management

VIDEO INPUTS

1 x SXGA (PC Input - DVI-I)
PC using VNC (SoftPresenter)

SXGA INPUT

Input: 640 x 480 – 1280 x 1024

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, MPEG4 AAC-LD

AUDIO FEATURES

Transmit multimedia presentations with CD-Quality 20KHz
Mono and Stereo
Telephone add-on via MultiSite
Audio mixer
Automatic Gain Control (AGC)
Automatic Noise Reduction
Audio level meters
Stereo

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 – POINT-TO-POINT & MULTISITE

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

MULTISITE FEATURES

Audio and Video Transcoding
Video rate matching from 56 kbps - maximum conference rate
Secondary conference rate
CP4 and Voice Switched
Best Impression
H.264, Encryption, Digital Clarity
DuoVideo and H.239 mixed and from any site
Telephony

ISDN & IP Downspeeding and IPLR

MULTISITE (H.243) CASCADING ON ISDN AND 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

IP AND ISDN BRI

Conference rates up to 2 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

DUOVIDEO / H.239

Available on all networks

NETWORK FEATURES

Auto H.320 / H.323 dialing
Downspeeding
Programmable network profiles
Intelligent Call Management
Maximum call length timer
Automatic SPID and line number configuration (National ISDN, GR-2941-CORE)
SoftMux
H.331 Broadcast Mode
IP Address Conflict Warning
SIP ready

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 DuoVideo, H.239 and MultiSite

H.323 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)
Automatic support for private and public IP addresses using NAT
H.245 DTMF tones

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

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
SNMP Enterprise Management
Internal web server
Internal streaming server

OTHER MAJOR ITU STANDARDS SUPPORTED

H.221, H.225, H.231, H.233, H.234, H.235, H.235 v2&v3, H.239, H.241, H.243, H.245, H.281, BONDING (ISO 13871), H.320, H.323, H.331, MPEG4 AAC-LD (20KHz audio)

CAMERA

1/4" CCD
+15° / -20° tilt
+30° / -30° monitor pan
752(H) x 582(V) resolution
Lens: f=4mm 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

PRESENTATIONS AND COLLABORATION

Natural Presenter Package including:
PC Presenter
PC SoftPresenter
Digital Clarity
DuoVideo and H.239
Advanced Video Layouts
T.120 Microsoft® NetMeeting® support via RS-232 (9-pin D-sub)
Streaming compatible with Cisco IP/TV, Apple QuickTime®, RealPlayer® v8 etc.

CLOSED CAPTIONING/TEXT CHAT

T.140 standards-based

SYSTEM MANAGEMENT

Support for the TANDBERG Management Suite
Total management via embedded web server, SNMP, Telnet, XML, SOAP and FTP
Remote software upload: during a call over all networks, via web server or via FTP server
1 x RS-232 for local software upgrades, local control and diagnostics
Onscreen Menu on TV and/or VGA monitors

DIRECTORY SERVICES

Support for Local, Global and Dynamic Server Directories
Unlimited entries using Server directory* supporting LDAP and H.350
400 number global directory
100 number local directory
16 dedicated MultiSite entries

13 SELECTABLE MENU LANGUAGES

Chinese - Traditional, Chinese - Simplified, 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 are subject to change without notice.

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