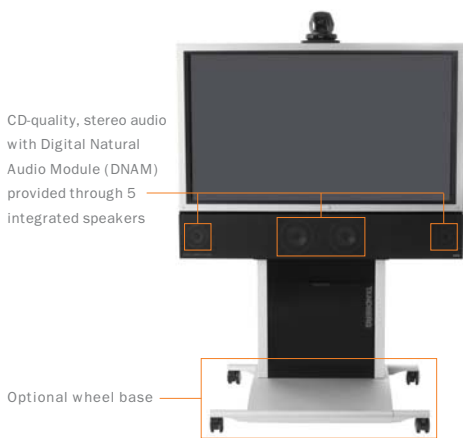




TANDBERG 6000 MXP Profile

For medium- to large-sized meeting rooms and boardrooms. High-end performance features, large flatscreen monitor and CD-quality, stereo audio create a collaborative meeting environment for even the largest groups. Share knowledge simply, quickly and efficiently with any location in the world. Available with 43" or 50" flatscreen monitor.



CD-quality, stereo audio with Digital Natural Audio Module (DNAM) provided through 5 integrated speakers

Optional wheel base

DESIGN FEATURES

- Designed for medium to large meeting rooms and boardrooms
- 16:9 flatscreen plasma monitor (43" or 50")
- Standard wall-mount with pedestal and optional wheel base
- Integrated, retractable storage shelf included in pedestal
- CD-quality, stereo audio with Digital Natural Audio Module (DNAM) provided through 5 integrated speakers (250 W) and optional satellite speakers

APPLICATION FEATURES

- Join up to 6 video and 5 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 and Audio plug-in or LAN connection
- View presentations and presenter simultaneously with either DuoVideo or H.239
- TANDBERG Expressway™ Technology
- URI Dialing
- H.323, H.320 & SIP support

PERFORMANCE FEATURES

- Choice of network: IP, ISDN and other external network
- Bandwidth: up to 2 Mbps ISDN/ 4 Mbps IP (6 Mbps in MultiSite)
- Superior video quality incorporating the H.264 standard
- True CD-quality, stereo audio
- Standards-based embedded encryption (AES & DES)
- Protection against network interruptions in point-to-point and multipoint calls with automatic Down-speeding and IPLR

PROTECT YOUR TECHNOLOGY INVESTMENT. EXTEND THE LIFETIME OF YOUR PRODUCTS. TANDBERG's Constant Care Services fulfill customers' support needs from decision through deployment and beyond.

UNIT DELIVERED COMPLETE WITH:

1 wide flatscreen monitor, wireless remote control, W.A.V.E II camera, microphone, Digital audio module, integrated speakers, integrated cabling, wall-mount, pedestal, tracker and optional wheel base

MONITOR

43" or 50" WXGA monitor

BANDWIDTH

H.320 up to 2 Mbps
H.323 up to 4 Mbps point-to-point
SIP up to 4 Mbps
Up to 6 Mbps total MultiSite bandwidth

FIREWALL TRAVERSAL

TANDBERG Expressway™ Technology
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
Simultaneous videoconference & local PC mode

VIDEO INPUTS (5 INPUTS)

1 x MiniDin, S-video: main camera
1 x MiniDin, S-video: auxiliary / document camera
1 x RCA / Phono, composite: document camera / aux
1 x RCA / Phono, composite: VCR
1 x DVI-I/SXGA: PC
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 OUTPUTS (6 OUTPUTS)

1 x MiniDin, S-video: main monitor
1 x MiniDin, S-video: dual monitor
1 x RCA / Phono, composite: main monitor or VCR
1 x RCA / Phono, composite: dual monitor or VCR
2 x DVI/XGA: main and dual monitor
XGA OUTPUT
800 x 600 @ 75 Hz, 1024 x 768 @ 60 Hz, 1280 x 768 (WXGA) @ 60 Hz
VESA Monitor Power Management

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)
SVGA (800 x 600 pixels)
VGA (640 x 480 pixels)

STILL IMAGE TRANSFER

CIF, SiF, 4CiF (H.261 Annex D), 4SiF, VGA, SVGA, XGA

CID VIDEO STANDARDS

G.711, G.722, G.722.1, G.728, 64 bit & 128 bit MPEG4 AAC-LD

AUDIO FEATURES

CD-Quality 20KHz Mono and Stereo
Telephone add-on via MultiSite
Four separate acoustic echo cancellers
Audio mixer
Automatic Gain Control (AGC)
Automatic Noise Reduction
Audio level meters
VCR ducking
Optional Stereo Package
Packet loss management
Active lip synchronization
Digital Natural Audio Module (DNAM)
5*50 W output power
5 integrated speakers and 2 optional satellite speakers

AUDIO INPUTS (4 INPUTS)

3 x microphone, 24V phantom powered, XLR connector, each with separate echo cancellers
1 x RCA / Phono, Line Level: separate echo canceller
1 x RCA / Phono, Line Level: auxiliary (or VCR/DVD Stereo L)
1 x RCA / Phono, Line Level: VCR/DVD (Stereo R)

AUDIO OUTPUTS (3 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: auxiliary (or Analogue Stereo R or VCR Stereo L)
1 x RCA / Phono, Line Level: VCR (mono or 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

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

HO on ISDN-PRI Facility
Maximum call length timer
Automatic SPID and line number configuration (National ISDN, GR-2941-CORE)
Soft Mux
NATO standard KG194 / KIV-7 encryptor support
H.331 Broadcast Mode
URI Dialing

MULTISITE FEATURES

Audio and Video Transcoding
Video rate matching from 56 kbps - maximum conference rate CP4, CP 5 + 1 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 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 6 Mbps
Up to 6 video and 5 audio sites
4 sites @ 2 Mbps, 6 sites @ 768 (+telephone calls)
Mix ISDN (BRI or PRI), or Serial Interface (V.35) with 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

H.235 Authentication
Differentiated Services (DiffServ)
Resource Reservation Protocol (RSVP)
IP precedence
IP type of service (ToS)
IP adaptive bandwidth management (including flow control)
Auto gatekeeper discover y
Dynamic playout and lip-sync buffering
Intelligent Packet Loss Recover y (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 Settings protection
SIP Authentication via NTLM

NETWORK INTERFACES

6 x ISDN BRI (RJ-45), S-interface
1 x E1 / T1 G.703 (RJ-45) for ISDN PRI or Leased E1 / T1
1 x E1 / T1 G.703 (RJ-45) for future usage
1 x LAN / Ethernet (RJ-45) 10/100 Mbit (LAN / DSL / cable modem)
1 x X.21 / V.35 / RS-449 with RS-366 dialing, Leased Line or data triggered mode
1 x USB for future use

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, RFC 3261, RFC 2237, RFC 3264, RC 3311, RFC 3550, RFC 2032, RFC 2190, RFC 2429, RFC 3407

W.A.V.E. (WIDE ANGLE VIEW) II CAMERA

10 x zoom 1/4" CCD +15° / -20° tilt
+ / -95°pan
61° vertical field of view
96° total vertical field of view
77° horizontal field of view
267° total horizontal field of view
460 (PAL) / 470 (NTSC) TV lines
Min. illumination 2 Lux (F1.8)
Auto or manual focus / brightness / white balance
Far-end camera control
15 near and far-end camera pre-sets
Voice-activated camera positioning
Daisy chain support for up to 4 cameras

CLOSED CAPTIONING/TEXT CHAT

T.140 text chat available from RS-232, 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.
DuoVideo
H.239

SYSTEM MANAGEMENT

Support for the TANDBERG Management Suite
Total management via embedded web server, SNMP, Telnet, XML, SOAP 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 directory
200 number local directory
16 dedicated MultiSite entries
Call History
Directories in Local Languages
Last Number Dialed
Missed Calls

15 SELECTABLE MENU LANGUAGES

Chinese, Traditional Chinese, English, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Suomi, Swedish, Thai

CUSTOMIZED WELCOME SCREEN AND COMPANY LOGO

POWER

100-120 / 200 - 240VAC, 60 / 50Hz, 6A

OPERATING TEMPERATURE AND HUMIDITY

0° C to 40° C (32° F to 104° 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)

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
-Standard TBR4

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

Complies with FCC15B Class B

FOOTPRINT

WALL-MOUNT WITH PEDESTAL:

Width: 22" / 56 cm
Depth: 4.7" / 12 cm

ROLLABOUT:

Width: 35.4" / 90 cm
Depth: 29.7" / 75.5 cm

* Requires TANDBERG Management Suite 9 or newer

** Optional equipment, must be specified at the time of order, Serial Port replaces ISDN BRI

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

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TANDBERG

6000

MXP Profile

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