

TANDBERG 6000 MXP

For medium- to large-sized meeting rooms and boardrooms. High-end performance features, large monitors and precision audio create a collaborative meeting environment for even the largest groups. Share knowledge simply, quickly and efficiently with any location in the world.



Digital NAM adds performance and clarity with true CD-quality audio.

DESIGN FEATURES

- Designed for medium to large conference rooms and boardrooms
- Dual monitors (32" NTSC or 33" PAL) with optional high resolution (XGA) monitor option
- Mobile cart with spacious cabinet for the integration of peripheral equipment
- Wide angle view camera with extensive zoom, pan and tilt
- Stereo and Digital NAM are enhanced by the optional satellite speaker system for superior audio

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 plug-in or LAN connection
- View presentations and presenter simultaneously with either DuoVideo or H.239 on single or dual monitor setup

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 audioHighest level of
- standards-based embedded encryption
- Protection against network interruptions in point-to-point and multipoint calls with automatic Downspeeding and IPLR



SYSTEM COMPONENTS

or 2 monitors, wireless remote control, Tracker, W.A.V.E. II camera, microphone, Audio Module™, integrated cabling, cart

MONITOR

NTSC or 33" PAL monitor Optional high-resolution monitors Other monitors supported

BANDWIDTH

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

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) icture outside Picture (POP) Intelligent Video Management

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/SXGA: PC

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

SXGA INPUT / XGA OUTPUT Input: 640 x 480 – 1280 x 1024 Output: 640 x 480 – 1024 x 768 Extended Display Identification Data (EDID) VESA Monitor Power Management

VIDEO FORMAT NTSC, PAL, VGA, SVGA, 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

AUDIO STANDARDS G.711, G.722, G.722.1, G.728, 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

AUDIO INPUTS (6 INPUTS)

3 x microphone, 24V phantom powered, XLR connector (Mic input 3: Switchable mic or line level) 1 x RCA / Phono, Line Level: audio mixer 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

1 x RCA / Phono, Line Level: auxiliary (or VCR Stereo L) 1 x RCA / Phono, Line Level: VCR (mono or Stereo 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 Continuos Presence CP5+1, 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) age for encrypted IP AND PRI/BRI/SERIAL INTERFACE (V.35)

Conference rates up to 6 Mbps Up to 6 video and 5 audio sites 4 sites @ 2 Mbps, 6 sites @ 768 (+telephone calls) Mix IP with ISDN-PRI, ISDN-BRI or Serial Interface 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 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 IP Address Conflict Warning

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 HTTF 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

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

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.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, MPEG4 AAC-LD (20KHz audio)

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 VISCA camera support

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 and FTP Remote software upload: during a call over all networks, via webserver or via FTP server

2 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

11 SELECTABLE MENU LANGUAGES Chinese, English, French, German, Italian, Japanese, Norwegian, Portuguese, Russian, Spanish and Swedish

CUSTOMIZED WELCOME SCREEN AND COMPANY LOGO

POWER

Auto-sensing power supply 100 - 250 VAC, 50 - 60 Hz 65 watts max, for codec and main camera

FOOTPRINT Width: 41.3" / 105 cm

Depth: 24.6" / 62.5 cm

* 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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