

SOUND MAN DERG

For medium- to small-sized meeting rooms, and shared office environments. Provides high bandwidth capabilities for excellent quality point-to-point and multipoint calls in a flexible set-top system.



portability of wireless LAN connectivity.

DESIGN FEATURES

- Designed for medium to small meeting rooms and shared office environments
- Elegantly designed all-in-one set-top unit that fits easily on any standard television monitor
- Integrated wide angle view camera with extensive zoom, pan and tilt
- Optional cart and monitors

APPLICATION FEATURES

- 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 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 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 multipoint calls with automatic Downspeeding and IPLR
- Superior video quality incorporating the H.264 standard

UNIT DELIVERED COMPLETE WITH:

Wireless remote control, Integrated Camera, microphone, and cables

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 (4INPUTS)

Built-in 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 (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 DVI/XGA: main or second 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) SOCIF (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 Two separate acoustic echo cancellers Audio mixer Automatic Gain Control (AGC) Automatic Noise Reduction Audio level meters VCR ducking

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 1 x RCA / Phono, Line Level: VCR

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 Downsneeding and IPI R

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

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

NETWORK FEATURES

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 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 HTTPS
IP Administration Password Menu Administration Password Dialing Access code Streaming password H.243 MCU Password VNC password SNMP security alerts

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

Disable IP services

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.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° -95°pan + / -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

PRESENTATIONS AND COLLABORATION

Natural Presenter Package including: PC Presenter P.C. 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 OuickTime®, 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 webserver 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

11 SELECTABLE MENU LANGUAGES

Chinese, English, French, German, Italian, Japanese, Norwegian, Portuguese, Russian, Spanish and Swedish

CUSTOMIZED WELCOME SCREEN AND COMPANY LOGO

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

UNIT DIMENSIONS

Height: 5.1" / 13.0cm Width: 14.9" / 38.0cm Depth: 7.9" / 20.0cm Weight: 5.0lbs / 2.3kg

* 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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