



TANDBERG 550 MXP

For offices and small meeting rooms. Provides essential video features for face-to-face meetings with the quality and reliability found in all TANDBERG equipment. A highly portable set-top unit, the TANDBERG 550 offers clear sound, brilliant pictures and a choice of networks.

The TANDBERG MXP Profile Set-top Package option provides integrated, streamlined design for your office environment.



DESIGN FEATURES

- Designed for offices and small meeting rooms
- Compact set-top unit that fits perfectly on any standard television set
- Integrated wide angle view camera with extensive zoom, pan and tilt
- Optional MXP Profile Set-top Package available

APPLICATION FEATURES

- Share files using the PC presentation capabilities provided by the PC *SoftPresenter* technology
- Streaming capabilities
- TANDBERG Expressway™ Technology
- URI Dialing
- H.323, H.320 & SIP support

PERFORMANCE FEATURES

- Choice of network: IP up to 768 kbps, optional ISDN up to 384 kbps
- PC card slot for wireless LAN connection
- Superior video quality incorporating the H.264 standard
- Standards-based embedded encryption (AES & DES)
- Protection against network interruptions 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:

Wireless remote control, W.A.V.E. II camera, microphone, and cables

BANDWIDTH

H.320 up to 384 kbps
H.323 up to 768 kbps
SIP up to 768 kbps

FIREWALL TRAVERSAL

TANDBERG Expressway™ Technology
Auto NAT

VIDEO STANDARDS

H.261, H.263, H.263+, 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 INPUT)

Built-in main camera
1 x RCA / Phono, composite: document camera / auxiliary
1 x XGA: PC using VNC (PC SoftPresenter)

VIDEO OUTPUTS (3 OUTPUTS)

1 x MiniDin, S-video: main monitor
1 x RCA / Phono, composite: main monitor or VCR
1 x XGA: main 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

LIVE VIDEO RESOLUTIONS

NATIVE NTSC:

4SIF (704 x 480 pixels), Digital Clarity
SIF (352 x 240 pixels)

NATIVE PAL:

4CIF (704 x 576 pixels), Digital Clarity
CIF (352 x 288 pixels)
QCIF (176 x 144 pixels)
SQCIF (128 x 96 pixels) Receive 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 MPEG4 AAC-LD

AUDIO FEATURES

CD-Quality 20KHz Mono
Acoustic echo canceller
Audio mixer
Automatic Gain Control (AGC)
Automatic Noise Reduction
Audio level meters
VCR ducking
Packet loss management
Active lip synchronization

AUDIO INPUTS (2 INPUTS)

1 x microphone, 24V phantom powered, XLR connector
1 x RCA / Phono, Line Level: Auxiliary / VCR

AUDIO OUTPUT (1 OUTPUT)

1 x RCA / Phono, Line Level: Monitor

FRAME RATES

15 frames per second 56 - 128 kbps
30 frames per second 168 - 768 kbps

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)
SoftMux
H.331 Broadcast Mode
URI Dialing

EMBEDDED ENCRYPTION

H.320 and H.323 point-to-point 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

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 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 Warning1

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

3 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 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

CLOSED CAPTIONING/TEXT CHAT

T.140 text chat available from Telnet,
Web and User Interface

PRESENTATIONS AND COLLABORATION

Soft Presenter Package including:
PC SoftPresenter
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, FTP and SOAP
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
Call History
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 BOOT UP LOGO (JPEG)

POWER

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

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)

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
Approved according to UL 60950
and CAN/CSA C22.2 No. 60950
Complies with FCC15B Class B

UNIT DIMENSIONS

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

** Requires TANDBERG Management Suite 9 or newer
System features vary depending on network selection
and software package. All specifications subject to
change without notice.*

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*Service availability may vary from region to region. Please
contact your TANDBERG reseller for more information.*

TANDBERG

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MPX

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