



TANDBERG Centric 1000 MXP

For offices and small meeting rooms. State-of-the-art, compact, fully integrated system that delivers style and performance in equal measure. With this system on their desks, users can place calls quickly and get answers even faster.



Plug in a PC to instantly share presentations

DESIGN FEATURES

- Designed for executive offices and small meeting rooms
- Completely integrated system including camera, 12.1" LCD screen, speakers, cables and microphone
- Ultra thin portable frame
- Optional wall-mount bracket

APPLICATION FEATURES

- Powerful live presentations through one-step PC plug-in or LAN connection
- Streaming capabilities
- Send and view presentations and presenter simultaneously with Dual Stream technology on single or dual monitor setup
- TANDBERG Expressway™ Technology
- URI Dialing

PERFORMANCE FEATURES

- Choice of Network: up to 384 kbps ISDN/768 kbps IP (H.323 or SIP)
- Superior video quality incorporating the H.264 standard
- Highest level of embedded encryption as well as IEEE 802.1x and H.235 authentication for security
- Protection against network interruptions with automatic Downspeeding and IPLR
- XGA LCD Screen

PROTECT YOUR TECHNOLOGY INVESTMENT WITH TANDBERG'S PORTFOLIO OF **CONSTANT CARE SERVICES**. VISIT WWW.TANDBERG.NET

UNIT DELIVERED COMPLETE WITH:

Wireless remote control, built-in camera, microphone, speakers, cables, 12.1" LCD screen, table-top stand

LCD SCREEN

Wide view angle screen
XGA resolution
Auto or manual brightness

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
H.460.18, H.460.19 Firewall Traversal

VIDEO STANDARDS

H.261, H.263, H.263+, H.264

VIDEO FEATURES

Intelligent Video Management
Picture in Picture (PIP)
Dual Monitor Emulation (Side by Side)
PC Zoom
Simultaneous videoconference & local PC mode
Local Auto Layout

VIDEO INPUTS (1 INPUT)

Built-in main camera
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 FORMAT

NTSC, PAL, VGA, SVGA, XGA, or SXGA

LIVE VIDEO RESOLUTIONS

NATIVE NTSC:

400p (528 x 400 pixels) receive only
4SIF (704 x 480 pixels), Digital Clarity
Interlaced SIF (iSIF 352 x 480 pixels), Natural Video
SIF (352 x 240 pixels)

NATIVE PAL:

448p (576 x 448 pixels) receive only
4CIF (704 x 576 pixels), Digital Clarity
Interlaced CIF (iCIF 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)

WIDE RESOLUTIONS:

w288p (512 x 288 pixels)
w448p (768 x 448 pixels) receive only
w576p (1024 x 576 pixels)
w720p (1280 x 720 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
Automatic noise reduction
Acoustic echo canceller
Automatic gain control
Packet loss management
Active lip synchronization
GSM/Blackberry interference audio feature

PRIVACY FEATURE

Headset, 2.5 mm mini jack

FRAME RATES

30 frames per second @ 168 kbps and above

DUAL STREAM

DuoVideo
H.239 dual stream
Dynamic bandwidth adjustment (H.323)
Available on H.323 & H.320

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
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
Supported in Dual Stream

IP NETWORK FEATURES

IEEE 802.1x/EAP Network Authentication
H.235 Gatekeeper Authentication
DNS lookup for service configuration
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 Warning
Date and Time support via NTP
Call Services

IPv6 NETWORK SUPPORT

Dual Stack IPv4 and IPv6 simultaneous support
Net service support on IPv6: Telnet, SSH, HTTP, HTTPS,
ftp, SNMP DNS, NTP, DHCP
Media support on IPv6: H.323, SIP, Streaming

SECURITY FEATURES

Management via HTTPS and SSH
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
SIP Authentication via Digest

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 for future usage

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

CAMERA

1/4" CCD
752(H) x 582(V) resolution
Lens: f=4mm F1:1.2
64° horizontal field of view
49° vertical field of view
Minimum illumination 5.0 lux (video output 50%, AGC on)
Manual focus

CLOSED CAPTIONING/TEXT CHAT

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

PRESENTATIONS AND COLLABORATION

Natural Presenter Package including:
PC Presenter (DVI-I, SXGA In)
PC SoftPresenter
Digital Clarity & Native Formats
Dual Monitor Emulation (Side by Side)
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, SSH, FTP and SOAP
Remote software upload: via web server, ftp server or ISDN
External Services from TMS

DIRECTORY SERVICES

Support for Local directories (My Contacts), Corporate
Directory and Global Directory
Unlimited entries using Server directory* supporting LDAP
and H.350
Unlimited number for Corporate directory (through TMS)
400 number global directory
200 number local directory
Placed Calls with Date and Time
Received Calls with Date and Time
Directories in Local Languages
Last number dialed
Missed Calls with Date and Time

16 SELECTABLE MENU LANGUAGES

Arabic, Simplified Chinese, Traditional Chinese, English,
French, German, Italian, Japanese, Korean, Norwegian,
Portuguese, Russian, Spanish, Suomi, Swedish and Thai
Chinese, Korean and Japanese Input Method Editors
Import Custom Language through TMS

CUSTOMIZED WELCOME SCREEN AND COMPANY LOGO

Picture JPEG (logo.jpg): Recommended maximum size
is 704x576 for Welcome Screen and 352x288 for
Encryption Required Screen.

POWER

Auto-sensing power supply
100–250 VAC, 50–60 Hz
45 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: 17.7"/45.0 cm
Width: 11.8"/30.0 cm
Depth: 2.6"/6.6 cm
Weight: 9.0 lbs/4.1 kg

**Requires TANDBERG Management Suite 9 or newer*

*All specifications subject to change without notice,
system specifics may vary.*

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purposes only, actual products may differ.*

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trademarks of TANDBERG in the U.S. and other countries.*

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MTBF PRODUCT RELIABILITY/MTBF

*The predicted reliability is expressed in the expected
random Mean Time Between Failures (MTBF) for the
electronic components based on the Power On Hours:
Power On Hours (POH) > 69 000 hours
Useful Life Cycle > 6 years
ISO 9001 certificate is available upon request*

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