



TANDBERG Centric 150 MXP

Business-quality video communication for the individual workspace. This cost-effective solution is easy to use, provides embedded security and allows organizations to bring reliable, face-to-face communication to every employee. Use this portable system to place video and voice calls.

Integrated keypad for both voice and video calls



DESIGN FEATURES

- Designed for personal video in any workspace
- Elegantly designed all-in-one system
- Integrated 8.4" LCD
- Ergonomically correct camera & screen position
- Integrated keypad for both voice and video calls
- Quick keys for easy control of system
- Speakerphone, headset jack for privacy or optional handset

APPLICATION FEATURES

- Business-quality visual and audio communications
- Simple user interface
- TANDBERG Expressway™ Technology
- View Presentations
- Designed for small or large scale deployment with TANDBERG Management Suite
- Optional IM and webconferencing
- URI Dialing

PERFORMANCE FEATURES

- Up to 512 kbps IP (H.323 or SIP)
- Superior video quality incorporating the H.264 standard
- Standards-based embedded encryption (AES & DES)
- Protection against network interruptions with automatic Downspeeding and IPLR
- H.235 Authentication

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

TANDBERG

UNIT DELIVERED COMPLETE WITH:

8.4" LCD, integrated keypad, integrated camera & microphone, and cables

LCD SCREEN

Wide viewing angle screen
Manual brightness

BANDWIDTH

H.323 up to 512 kbps
SIP up to 512 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

Picture in Picture (PIP)
Intelligent Video Management

LIVE VIDEO RESOLUTIONS**NATIVE NTSC:**

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

NATIVE PAL:

4CIF (704 x 576 pixels), Digital Clarity, Receive only
CIF (352 x 288 pixels)
QCIF (176 x 144 pixels)

SQCIF (128 x 96 pixels) Receive only

RECEIVE NATIVE PC RESOLUTIONS:

XGA (1024 x 768 pixels)
SVGA (800 x 600 pixels)
VGA (640 x 480 pixels)

WIDE RESOLUTIONS:

w288p (512 x 288 pixels), Receive only
w576p (1024 x 576 pixels), Receive only

AUDIO STANDARDS

G.711, G.722, G.722.1

AUDIO FEATURES

TANDBERG acoustic echo cancellation
Automatic Gain Control (AGC)
Automatic Noise Reduction

PRIVACY FEATURE

Headset and mic via 2.5 mm mini jack with light indication (optional)
Video Privacy (mute) with light indication and far end mute indication
Audio Privacy (mute) with light indication
Camera lens cap

FRAME RATES

30 frames per second @ 168 kbps and above

DUAL STREAM

Receive DuoVideo including H.239

CLOSED CAPTIONING/TEXT CHAT

T.140 text chat available from User Interface

EMBEDDED ENCRYPTION

Standards-based: H.235 v2&v3, DES and AES
NIST-validated AES
NIST-validated DES
Automatic key generation and exchange

IP NETWORK FEATURES

IEEE 802.1x/EAP Network Authentication
H.235 Gatekeeper 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
Automatic support for private and public IP addresses using NAT
H.245 DTMF tones in H.323
Cisco CallManager integration using ECS
Static or Dynamic H.323 Ports
IP Downspeeding
Intelligent Packet Loss Recovery (IPLR)
Intelligent Call Management
Maximum call length timer
IP Address Conflict Warning
URI Dialing
DNS lookup for service configuration
Date and Time support via NTP

IPV6 NETWORK SUPPORT

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

SECURITY FEATURES

IP Administration Password
Menu Administration Password
Dialing Access code
H.243 MCU Password
Disable IP services
Embedded encryption (AES & DES)
Call status light indication
Network Settings protection
SIP Authentication via NTLM
SIP Authentication via Digest

NETWORK INTERFACES

Internal 2 port Ethernet switch
1 x LAN/Ethernet (RJ-45) 10/100 Mbit for PC
1 x LAN/Ethernet (RJ-45) 10/100 Mbit for LAN/DSL/cable modem
Power-over-Ethernet (PoE — IEEE 802.3af)

ETHERNET/INTERNET/INTRANET CONNECTIVITY

TCP/IP, DHCP, ARP, FTP, Telnet, SOAP and XML, SNMP

OTHER MAJOR ITU STANDARDS SUPPORTED

H.225, H.235 v2 & v3, H.241, H.243, H.245, H.281
RFC 3261, RFC 2237, RFC 3264, RC 3311, RFC 3550, RFC 2032, RFC 2190, RFC 2429, RFC 3407

CAMERA

1/4" CCD
+10°/-10° tilt
32° Vertical field of view
36° Total vertical field of view
45° Horizontal field of view
48° Total horizontal field of view
460 (PAL)/470 (NTSC) TV lines
Min. illumination 1.1 Lux (Video Output 50%, AGC ON, Standard lens)
Reference 0.4 Lux (Video Output 50%, AGC ON, F1.4)
Manual focus & brightness
Far-end camera control
Automatic white balance

CLOSED CAPTIONING

TTY (Telephone Text) support (via 2.5mm headset jack)

SYSTEM MANAGEMENT

Support for the TANDBERG Management Suite
Telnet, XML, SOAP, FTP, SNMP
Remote software upload: via web server or FTP

DIRECTORY SERVICES

Support for Local Directories (My Contacts) and Corporate Directory
Unlimited entries using Server directory* supporting LDAP and H.350
Unlimited number for corporate directory (through TMS)
200 number local directory
Received Calls with Date and Time
Placed Calls with Date and Time
Directories in Local Languages
Missed Calls with Date and Time
Speed dial from directory using SoftKeys

15 SELECTABLE MENU LANGUAGES

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

POWER

Auto-sensing power supply
100–250 VAC, 50–60 Hz
24 watts max. (12.95 with PoE 802.3af)

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

UNIT DIMENSIONS

Height: 34.6 cm (13.6 inches)
Width: 23 cm (9 inches)
Depth: 20.4 cm (8 inches)
Footprint: 17 cm x 18.5 cm (6.68 inches x 7.3 inches)
Weight: 1.5 kg (3.3 lbs)

* Requires TANDBERG Management Suite version 9.5 or newer

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

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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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150 MXP**

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