TANDBERG

Centric 1700 MXP

Executive control center designed for offices, the 1700 MXP features a superior HD camera and a widescreen LCD. This fully integrated system operates both as a video conferencing system and PC display, enabling seamless and real-time face-to-face collaboration at the desktop.

HD Side view

PROTECT YOUR TECHNOLOGY INVESTMENT WITH TANDBERG'S PORTFOLIO OF CONSTANT CARE SERVICES.

DESIGN FEATURES

- All-in-one executive control center designed for offices
- Compact HD Camera
- Integrated 20" widescreen LCD
- Powerful presentation, multimedia and conferencing capabilities
- Easily switches between a video call and an XGA PC display

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
- View presentations and presenter simultaneously
- TANDBERG Expressway™ Technology
- URI Dialing

PERFORMANCE FEATURES

- Up to 2 Mbps H.323/2 Mbps SIP/2.3 Mbps total Multisite
- Highest level of embedded encryption as well as H.235 and IEEE 802.1x authentication
- True CD-quality audio
- Protection against network interruptions in point-to-point and multipoint calls with automatic Down-speeding and IPLR
- Superior video quality incorporating the H.264 standard

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UNIT DELIVERED COMPLETE WITH:
Integrated HD Camera with camera cover, 20" Widescreen LCD, wireless remote control, microphone, and cables

LCD SCREEN
Widescreen LCD (16:9)
Wide view angle screen
WXGA; 1366 x 768
Auto or manual brightness

BANDWIDTH
H.323 up to 2 Mbps
SIP up to 2 Mbps

FIREWALL TRAVERSAL
TANDBERG Expressway Technology™
Auto NAT
H.460.18, H.460.19 Firewall Traversal

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) & Large POP
Side by Side
PC Zoom
Intelligent Video Management
Simultaneous videoconference & local PC mode
Local Auto Layout

VIDEO INPUTS
1 x DVI-I/SXGA: PC
PC using VNC (*Soft*Presenter)
1 x DVI-I: PC
Input: 800 x 600 (@ 60, 72, 75, 85 Hz), 1024 x 768 (@ 60, 70, 75 Hz), 1280 x 720 (HD720P) (@ 50, 60 Hz), 1280 x 1024 @ 60/Hz
Extended Display Identification Data (EDID)

VIDEO FORMAT
NTSC, PAL, VGA, SVGA, XGA, W-XGA, SXGA and HD720p

LIVE VIDEO RESOLUTIONS
NATIVE NTSC:
400p (528 x 400 pixels)
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)
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 pixels)
SVGA (800 x 600 pixels)
VGA (640 x 480 pixels)
WIDE RESOLUTIONS:
w288p (512 x 288 pixels)
w448p (768 x 448 pixels)
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 & 128 bit MPEG4 AAC-LD

AUDIO FEATURES
CD-Quality 20 KHz 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
Packet loss management
Active lip synchronization
GSM/Blackberry interference audio feature

PRIVACY FEATURE
Headset Microphone: 3.5mm Jack
Headset loudspeaker: 3.5mm Stereo jack

AUDIO INPUTS (2 INPUTS)
2 Built-in microphones
PC Audio input: 3.5mm Stereo Jack

FRAME RATES
30 frames per second @ 168 kbps and above
60 fields per second @ 336 kbps and above (Point-to-point)

DUAL STREAM
DuoVideo
H.239 dual stream
Dynamic bandwidth adjustment (H.323)
Available on H.323 & H.320
Available in MultiSite from any site

NETWORK FEATURES
SIP
Downspeeding
Programmable network profiles
Intelligent Call Management
Maximum call length timer
URI Dialing

MULTISITE FEATURES
H.323/SIP/Telephony/VoIP in the same conference
Audio and Video Transcoding
Video rate matching from 56 kbps — maximum conference rate
CP4 and Voice Switched
Best Impression (Automatic CP Layouts)
H.264, Encryption, Digital Clarity
Dual Stream from any site
ISDN & IP Downspeeding and IPLR
MultiSite (H.243) Cascading on H.323
Unicode H.243 Terminal Names
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 2.3 Mbps
Up to 4 video and 3 audio sites
4 sites @ 768 kbps (+telephone calls)

EMBEDDED ENCRYPTION
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 Dual Stream & MultiSite

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
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 (LAN/DSL/cable modem)
1 x USB for future usage

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, H.323,
RFC 3261, RFC 2237, RFC 3264, RC 3311, RFC 3550, RFC 2032, RFC 2190, RFC 2429, RFC 3407

CAMERA
1/3" CMOS 65˚ horizontal field of view
38˚ vertical field of view (monitor and camera tilt)
88˚ total vertical field of view (with monitor and camera tilt)
Manual focus
Automatic or manual brightness/whitebalance
Focus distance 0.3m–infinity
1280 x 720 pixels progressive @ 30fps

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 *Soft*Presenter
Digital Clarity & Native Formats
Advanced Video Layouts
Streaming compatible with Cisco IP/TV, Apple QuickTime®, RealPlayer® v8 etc.

SYSTEM MANAGEMENT
Support for Local directories (My Contacts), Corporate Directory and Global Directory
Total management via embedded web server, SNMP, Telnet, SSH, FTP and SOAP
Remote software upload: via web server, ftp server or ISDN
1 x RS-232 local control and diagnostics
Remote control and on-screen menu system
External Services from TMS

DIRECTORY SERVICES
Support for Local, Global and Dynamic Server Directories
Unlimited entries using Server directory* supporting LDAP and H.350
Unlimited number for Corporate directory (through by TMS)
400 number global directory
200 number local directory
16 dedicated MultiSite entries
Received Calls with Date and Time
Directories in Local Languages
Placed Calls with Date and Time
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 Editor
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
120W MAX

OPERATING TEMPERATURE AND HUMIDITY
0˚C to 40˚C (32˚F to 104˚F) ambient temperature
Up to 90% Relative Humidity (RH)

STORAGE AND TRANSPORT TEMPERATURE
-20˚C to 60˚ (-4˚F to 140˚) at RH 10–90% (non-condensing)

APPROVALS
Directive 73/23/EEC (Low Voltage Directive) — Standard EN 60950-1 / IEC60950-1
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 60950-1and CAN/CSA C22.2 No. 60950-1
Complies with FCC15B Class B

UNIT DIMENSIONS
Height: 51.0 cm (20.1 inches)
Width: 50.0 cm (19.7 inches)
Depth: 16.0 cm (6.3 inches)Footprint: 35.4 cm (13.9 inches) wide x 16.0 cm (6.3 inches) deep
Weight: 9,90 kg (21.8 lbs)

** Requires TANDBERG Management Suite 9 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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