

A Global Leader in Videoconferencing



TANDBERG 7000

...defined exclusivity

TANDBERG 7000

The elegant design of the TANDBERG 7000 sets it apart from other videoconferencing systems. The TANDBERG 7000 has two 40" plasma screens, a unique stand design and a full range of functions that make a statement about your commitment to communications technology.

The TANDBERG 7000's design is ideally suited to the boardroom. It creates the environment, sets the style and provides the tool for efficient communication and collaborative decision-making. The TANDBERG 7000 replaces the need for an in-room projector and becomes the room's natural centerpiece. At the top of the product line, the TANDBERG 7000 defines the exclusive videoconferencing system.

Highlights

- Elegant design and two 40" plasma screens
- Easy-to-use interface for even the most non-technical users
- Built-in MultiSite^{TF} for audio and videoconferencing with multiple sites
- Powerful live presentations through one-step PC plug-in or LAN connection
- Duo Video^{TF} which allows the viewer to see the presentation on one screen and the presenter on the other
- Digital Clarity^{TF} images at four times standard videoconferencing resolution
- Outstanding audio specifically designed for a meeting environment
- Natural Video^{TF} for a full screen picture with broadcast TV quality
- Automatic ISDN/IP call selection
- Protection against meeting interruptions and system failure provided by Downspeeding^{TF}

All products adhere to International Telecommunication Union standards.

^{TF} A TANDBERG FIRST

TANDBERG Commitment

TANDBERG provides complete solutions with the highest levels of reliability, ease of use, quality and value. We focus on designing, developing and marketing videoconferencing systems while our worldwide network of business partners ensures that our customers receive excellent service, support and value with every purchase.

Value Added Services

- Consulting
- Network services
- Installation
- User training
- Extended warranty
- Rapid response on parts replacement
- One-site maintenance support

Global Presence Program (GPP)

- Global support program
- Single source solution
- Centralized purchasing
- Authorized partner network
- Consultation service

For More Information

Please contact any of the TANDBERG offices or write to us at tandberg@tandberg.no

Boardroom

Large Meeting Room

Medium Meeting Room

Small Meeting Room

Executive Office

TANDBERG 7000



System Components

1 or 2 40" plasma monitors (NTSC or PAL), wireless remote control, W.A.V.E. camera, microphone, Natural Audio Module™, integrated cabling and stand

Bandwidth

H.320 up to 2Mbps
H.323 up to 3Mbps

Video Standards

H. 261, H.263, H.263+, H.263++ (Natural Video™)

Video Features

Picture in Picture (PIP)
Intelligent Video Management™

Video Inputs (5 inputs)

1 x MiniDin, S-video: 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 XGA: PC

Video Outputs (5 outputs)

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

Video Format

NTSC or PAL

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)
SQCIF (128 x 96 pixels)

Native PC Resolutions:

SVGA (800 x 600 pixels)
VGA (640 x 480 pixels)

Still Image Transfer

CIF, SIF, 4CIF, H.261 Annex D

Audio Standards

G.711, G.722, G.722.1, G.728

Audio Features

Telephone add-on via MultiSite™
TANDBERG Natural Audio Module™
Four separate acoustic echo cancellers
Audio mixer
Automatic gain control
Automatic noise reduction
Audio level meters
VCR ducking

Audio Inputs (6 inputs)

3 x microphone, 24V phantom powered, XLR connector
1 x RCA/Phono, Line Level: audio mixer
1 x RCA/Phono, Line Level: auxiliary
1 x RCA/Phono, Line Level: VCR

Audio Outputs (3 outputs)

1 x RCA/Phono, Line Level: main audio
1 x RCA/Phono, Line Level: auxiliary
1 x RCA/Phono, Line Level: VCR

XGA Input / SVGA Output

Input: 640 x 480 – 1024 x 768, 56 - 85 Hz. auto-detection
Output: 640 x 480 – 800 x 600, 60 Hz

Frame Rates – Point to Point & MultiSite™

15 frames per second @ 56 - 128kbps
30 frames per second @ 168kbps - 3Mbps
60 fields per second @ 448kbps - 3Mbps (Natural Video™)

MultiSite™ Features

Any combination of IP & ISDN connections (transcoding)
ISDN & IP Downspeeding™ at call set-up
Dial in / Dial out capabilities
Continuous Presence or Voice Switched
5 sites including min. 1 telephone call
Built-in MultiSite™ audio bridge for up to 5 sites
Duo Video™, Digital Clarity™, Natural Video™
MultiSite™ over IP
4 sites @ 64-768kbps + 1 telephone call over ISDN
3 sites @ 64-1Mbps + 2 telephone calls over ISDN
Point-to point @ 3Mbps + 3 telephone calls via ISDN
MultiSite™ over ISDN PRI / E1(T1)
4 sites @ 56 - 512 (384)kbps + 1 telephone call via ISDN
3 sites @ 56 - 768 (512)kbps + 2 telephone calls via ISDN
Point-to point @ 56 - 1.5 (1)Mbps + 3 telephone calls via ISDN
MultiSite™ over ISDN / 6BR!
4 sites @ 256kbps or 3 sites @ 384kbps
4 sites @ 56 - 192kbps + 1 telephone call via ISDN
3 sites @ 56 - 256kbps + 2 telephone calls via ISDN
Point-to-point @ 56 - 512 kbps + 3 telephone calls via ISDN
MultiSite™ (H.243) Cascading
Up to 10 video sites @ 768kbps + 4 audio sites
Any combination of IP & ISDN connections (transcoding)

Duo Video™

Available on all networks
Available in MultiSite™ (over IP & ISDN)

Network Features

Auto H.320/H.323 dialing
Downspeeding™
Programmable network profiles
Password protection
Intelligent Call Management™
Ho on ISDN-PRI Facility
NATO standard KG194 encryptor support
Automatic SPID and line number configuration (National ISDN, GR-2941-CORE)
SoftMux™
H.331 Broadcast Mode
H.323 Network Features
IP precedence (QoS)
IP type of service (TOS)
Network Address Translation (NAT) support
IP adaptive bandwidth management (including flow control)
Auto gatekeeper discovery
Dynamic playout and lipsync buffering

Network Interfaces

6 x ISDN BRI (RJ-45), S-interface
1 x E1/T1 G.703 (RJ-45) for ISDN PRI or Leased E1/T1
1 x E1/T1 G.703 (RJ-45) for ISDN PRI cascading
1 x LAN/Ethernet (RJ-45) 10/100 Mbit (LAN/DSL/cable modem)
1 x X.21 / V.35 / RS-449 with RS-366 dialing, Leased Line or data triggered mode

Ethernet / Internet / Intranet Connectivity

TCP/IP, DHCP, ARP, FTP, Telnet, HTTP
SNMP Enterprise Management
Internal web server
Internal streaming server
Support for the TANDBERG Management Suite
10/100Mbit full/half duplex (manual or auto detect selection)

Other Supported ITU Standards

H.320, H.323, H.281, BONDING (ISO 13871), H.231, H.243, H.331

W.A.V.E. (Wide Angle View) camera

12 x zoom
1/3" CCD
+5°/-15° tilt
+/95° pan
76° vertical field of view
270° horizontal field of view
450 (PAL) / 460 (NTSC) horizontal TV lines
Min. illumination 7 Lux (F1.8)
Auto or manual focus, brightness and white balance
Far end camera control
15 near and far-end camera pre-sets
Voice-activated camera positioning
Up to 4 camera daisy chain supports
VSCA camera support

Presentations and Collaboration

Natural Presenter Package including:
PC Presenter™
PC SoftPresenter™
Digital Clarity™
Duo Video™

T.120 Microsoft NetMeeting support via RS-232 (9-pin D-sub)
Streaming (compatible with Apple QuickTime and RealPlayer v8 etc.)

40" plasma screens for local presentations

System Management

Total management via embedded web browser, SNMP, Telnet, FTP
Remote software upload: during a call over all networks, via webserver, and via FTP server
1 x RS-232 used for main camera control
1 x RS-232 for local software upgrades, local control and diagnostics
Remote control and menu system

Directory Services

200 number global directory
100 number local directory including:
16 dedicated MultiSite™ entries

9 selectable menu languages:

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

Customised boot up logo (jpeg)

Power

Auto-sensing power supply
100 - 250V AC, 50 - 60 Hz
65 watts max. for codec and main camera

All specifications subject to change without notice.

July 2001



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