

A Global Leader in Videoconferencing



TANDBERG 800

...efficient teamwork

TANDBERG 800

The TANDBERG 800 conveniently transforms any standard TV into a meeting place. With the TANDBERG 800 you can bring people together when teamwork is important: quickly and effectively. It takes little space, is easy on the budget and fits perfectly in a medium or small meeting room.

The TANDBERG 800 is as easy to operate as a television or mobile phone; just call the person or group that you want to talk to and press "Connect". With the TANDBERG 800 you'll get a great business tool, excellent quality and service that you can rely on.

Highlights

- Sleek and elegantly designed all-in-one set top box
- Easy-to-use interface for even the most non-technical users
- Built-in MultiSite™ for audio and videoconferencing with multiple sites
- Powerful live presentations through one-step PC plug-in or LAN connection
- Duo Video™ which allows the viewer to see the presentation on one screen and the presenter on the other
- Digital Clarity™ images at four times standard videoconferencing resolution
- Outstanding audio specifically designed for a meeting environment
- Automatic ISDN/IP call selection
- Protection against meeting interruptions and system failure provided by Downspeeding™

All products adhere to International Telecommunication Union standards.

™ 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 800



Unit delivered complete with:

Wireless remote control, W.A.V.E. camera, microphone, integrated cabling

Bandwidth

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

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 Resolution

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, 4CIF, H.261 Annex D

Audio Standards

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

Audio Features

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

Audio Inputs (4 inputs)

2 x microphone, 24V phantom powered, XLR connector
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 @ 168 - 768kbps
60 fields per second @ 448 - 768kbps (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™ and Natural Video™
MultiSite™ over IP
4 sites @ 64-256kbps + 1 telephone call via ISDN
3 sites @ 64-384kbps + 2 telephone calls via ISDN
Point-to-point @ 768kbps + 3 telephone calls via ISDN
MultiSite™ over ISDN / 3BRI
4 sites @ 128kbps or 3 sites @ 192kbps
3 sites @ 128kbps + 2 telephone calls via ISDN
Point-to-point @ 192kbps + 3 telephone calls via ISDN
MultiSite™ (H.243) Cascading
Up to 10 video and 4 audio sites
Any combination of IP & ISDN connections (transcoding)

Duo Video™

Available on all networks in a point to point call
Available in MultiSite™ (over IP & ISDN)

Network Features

Auto H.320/H.323 dialing
Downspeeding™
Programmable network profiles
Password protection
Intelligent Call Management™
NATO standard KG194 cryptor 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

3 x ISDN BRI (RJ-45), S-interface
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/white balance
Far end camera control
Up to 4 camera daisy chain supports
VISCAs camera support
15 near and far-end camera pre-sets
Voice-activated camera positioning

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.)

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.

Unit Dimensions

Height: 5.9"/15.0cm
Width: 19.8"/50.0cm
Depth: 9.3"/23.5cm
Weight: 9.2lbs/4.2kg

System features vary depending on network selection and software package. All specifications subject to change without notice.

July 2001



World Headquarters

Philip Pedersens vei 22
1366 Lysaker, Norway
Tel: +47 67 125 125
Fax: +47 67 125 234
Video: +47 67 117 777

United States

1860 Michael Faraday Dr.
Suite 250
Reston, Virginia, 20190
Tel: +1 703 709 4281
Fax: +1 703 709 4231
Video: +1 703 437 6991

Canada

6505 Trans-Canada Hwy
Suite 610
Montreal, Quebec, H4T 1S3
Tel: +1 514 748 5224
Fax: +1 514 748 1002
Video: +1 514 744 5514

Japan

#905, 1-17-2 Nihonbashi,
Kikagaya-cho, Chou-ku,
Toyko 103-0014, Japan
Tel: +81 356 23 0396
Fax: +81 356 23 0395
Video: +81 356 23 0393

United Kingdom

Mallard Court, Market Square
Staines, Middlesex, TW18 4RH
Tel: +44 (0) 1784 492 234
Fax: +44 (0) 1784 492 283
Video: +44 (0) 1784 224 763

China

Huibin Office Building, Room A805
Bei Chen Dong Street
Chao Yang District, Beijing 100101
Tel: +86 10 6493 4161
Fax: +86 10 6493 4127
Video: +86 10 8646 1064

TANDBERG