



## TANDBERG Profile 65"

The TANDBERG Profile 65" is designed for the ultimate meeting room video experience. With optimal camera height and a crystal clear video 65" LCD screen, the Tandberg Profile 65" delivers a true to life experience, that is as close to being in the same room as possible, without actually being there.



#### DESIGN FEATURES

- Exclusive Scandinavian design with a clean, sleek look from all angles
- High definition up to 1080p with large 65" custom LCD screen
- Ideal for corner offices, high-end conference rooms and the showroom floor
- Use of recyclable aluminum materials to support our commitment to the environment

#### APPLICATION FEATURES

- 720p30 HD embedded MultiSite with Individual Transcoding
- Clear, smooth HD collaboration with UXGA\*\* and full 1080p HD with superior motion handling
- Four-way 720p30 high-definition SIP/H.323 MultiSite

#### PERFORMANCE FEATURES

- Choice of network up to 6 Mbps point-to-point (H.323/SIP), up to 10 Mbps Multisite\* (H.323/SIP)
- Optimal definition — resolutions up to full 1080p and support 60 fps up to 720p
- 4x XLR audio input with individual echo canceller
- 5x Video Input/Output

GET THE MOST FROM YOUR INVESTMENT. WITH **PROFESSIONAL SERVICES**, TANDBERG EXPERTS SUPPORT TANDBERG TELEPRESENCE DEPLOYMENT AND TRAINING. VISIT [WWW.TANDBERG.COM](http://WWW.TANDBERG.COM)

**UNIT DELIVERED COMPLETE WITH:**

Full HD LCD display, Codec C60, remote control, PrecisionHD 1080p Camera, microphone, Digital Audio Module, integrated speakers and integrated cabling

**MONITOR**

65" Full HD LCD, 16:9, 1080 x 1920 resolution

**BASE**

Floor standing footplate  
Wall mount

**BANDWIDTH**

H.323/SIP up to 6 Mbps point-to-point  
H.323/SIP up to 10 Mbps Multisite\*

**FIREWALL TRAVERSAL**

TANDBERG Expressway Technology  
H.460.18, H.460.19 Firewall Traversal  
SIP ICE

**VIDEO STANDARDS**

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

**VIDEO FEATURES**

Native 16:9 Widescreen  
Advanced Screen Layouts  
Intelligent Video Management  
Local Auto Layout

**VIDEO INPUT**

**2X HDMI INPUTS, SUPPORTED FORMATS:**

1920x1080@60, 59.94 Hz (1080p60)  
1920x1080@50 Hz (1080p50)  
1920x1080@30, 29.97 Hz (1080p30)  
1920x1080@25 Hz (1080p25)  
1920x1080@24, 23.97 Hz (1080p24)  
1280x720@60, 59.94 Hz (720p60)  
1280x720@50 Hz (720p50)  
720x480@60, 59.94 Hz (480p60)  
640x480@60 Hz (480p60)  
1600x1200@50, 60 Hz (UXGA)  
1280x1024@60, 75 Hz (SXGA)  
1024x768@60, 70, 75, 85 Hz (XGA)  
800x600@56, 60, 72, 75, 85 Hz (SVGA)  
1920x1200@50, 60 Hz (WUXGA)  
1680x1050@60 Hz (WSXGA+)  
1440x900@60 Hz (WXGA+)  
1280x768@60 Hz (WXGA)

**2X DVI-I INPUTS, SUPPORTED FORMATS:**

Analog (VGA):  
1920x1080@60 Hz (1080p)  
1280x720@60 Hz (720p)  
1600x1200@60 Hz (UXGA)  
1280x1024@60, 75 Hz (SXGA)  
1280x960@60 Hz  
1024x768@60, 70, 75, 85 Hz (XGA)  
1920x1200@50 Hz (WUXGA)  
1680x1050@60 Hz (WSXGA+)  
1440x900@60 Hz (WXGA+)  
1280x800@60 Hz (WXGA)  
1280x768@60 Hz (WXGA)

Analog (YPbPr)

1920x1080@60 Hz (1080p60)  
1920x1080@50 Hz (1080p50)  
1920x1080@30 Hz (1080p30)  
1920x1080@25 Hz (1080p25)  
1280x720@60 Hz (720p60)  
1280x720@50 Hz (720p50)  
1280x720@30 Hz (720p30)  
720x576@50 Hz (576p50)  
720x480@60 Hz (w480p60)

Digital (DVI-D)

1920x1080@60, 59.94 Hz (1080p60)  
1920x1080@50 Hz (1080p50)  
1920x1080@30, 29.97 Hz (1080p30)  
1920x1080@25 Hz (1080p25)  
1920x1080@24, 23.97 Hz (1080p24)  
1280x720@60, 59.94 Hz (720p60)  
1280x720@50 Hz (720p50)  
720x480@60, 59.94 Hz (480p60)  
640x480@60 Hz (480p60)  
1600x1200@50, 60 Hz (UXGA)  
1280x1024@60, 75 Hz (SXGA)  
1024x768@60, 70, 75, 85 Hz (XGA)  
800x600@56, 60, 72, 75, 85 Hz (SVGA)  
1920x1200@50, 60 Hz (WUXGA)  
1680x1050@60 Hz (WSXGA+)  
1440x900@60 Hz (WXGA+)  
1280x768@60 Hz (WXGA)

**VIDEO OUTPUT**

**1X HDMI OUTPUT, SUPPORTED FORMATS:**

1920x1080@60 Hz (1080p60)  
1280x720@60 Hz (720p60)  
1600x1200@60 Hz (UXGA)  
1280x1024@60 Hz (SXGA)  
1024x768@60 Hz (XGA)  
800x600@60 Hz (SVGA)  
640x480@60 Hz (VGA)  
1920x1200@60 Hz (WUXGA)  
1366x768@60 Hz  
1360x768@60 Hz  
1280x768@60 Hz (WXGA)

**1X DVI-I OUTPUT, SUPPORTED FORMATS:**

1920x1080@60 Hz (1080p60)  
1280x720@60 Hz (720p60)  
1600x1200@60 Hz (UXGA)  
1280x1024@60 Hz (SXGA)  
1024x768@60 Hz (XGA)  
800x600@60 Hz (SVGA)  
640x480@60 Hz (VGA)  
1920x1200@60 Hz (WUXGA)  
1366x768@60 Hz  
1360x768@60 Hz  
1280x768@60 Hz (WXGA)

**1X COMPOSITE OUTPUT (BNC CONNECTOR)**

PAL/NTSC

**LIVE VIDEO RESOLUTIONS (ENCODE/DECODE)**

176x144@30 Hz (QCIF)  
352x288@30 Hz (CIF)  
512x288@30 Hz (w288p)  
576x448@30 Hz (448p)  
768x448@30 Hz (w448p)  
704x576@30 Hz (4CIF)  
1024x576@30 Hz (w576p)  
640x480@30 Hz (VGA)  
800x600@30 Hz (SVGA)  
1024x768@30 Hz (XGA)  
1280x1024@30 Hz (SXGA)  
1280x720@30 Hz (720p30)  
1920x1080@30 Hz (1080p30)  
1280x768@30 Hz (WXGA)  
1440x900@30 Hz (WXGA+)  
1680x1050@30 Hz (WSXGA+)  
1600x1200@30 Hz (UXGA)  
512x288@60 Hz (w288p60)  
768x448@60 Hz (w448p60)  
1024x576@60 Hz (w576p60)  
1280x720@30, 60 fps (720p60)

**AUDIO STANDARDS**

G.711, G.722, G.722.1, 64 bit & 128 bit MPEG4 AAC-LD, AAC-LD Stereo

**AUDIO FEATURES**

CD-Quality 20KHz Mono and Stereo  
Four separate acoustic echo cancellers  
4-port Audio mixer  
Automatic Gain Control (AGC)  
Automatic Noise Reduction  
Active lip synchronization  
ALD (Assistive Listening Devices) support with acoustic echo cancellation

**AUDIO INPUTS (7 INPUTS)**

4 x microphone, 48V phantom powered, XLR connector each with separate echo cancellers and noise reduction, all microphones can be set for balanced line level  
2 x RCA/Phono, Line Level: Stereo PC input, configurable to 2 x RCA/Phono, Line Level: Mono auxiliary/DVD input  
1 x HDMI, digital: Stereo PC/DVD inputs

**AUDIO OUTPUTS (3 OUTPUTS)**

2 x RCA/Phono, line level, stereo main audio, configurable to S/PDIF or 2 x RCA/Phono, line level, mono to recording device  
1 x HDMI, digital: Stereo PC/DVD inputs

**DUAL STREAM**

H.239 (H.323) dual stream  
BFCP (SIP) dual stream  
Support for resolutions up to 1080p30 in both main stream and dual stream simultaneously

**MULTISITE FEATURES**

4-way 720p30 High Definition SIP/H.323 MultiSite  
Full individual audio and video transcoding  
Individual layouts in MultiSite CP (Takes out SelfView)  
H.323/SIP/VoIP in the same conference  
Best Impression (Automatic CP Layouts)  
H.264, Encryption, Dual Stream from any site  
IP Downspeeding  
Dial-in/Dial-out  
Conference rates up to 10 Mbps

**PROTOCOLS**

H.323  
SIP

**EMBEDDED ENCRYPTION**

H.323/SIP point-to-point  
Standards-based: H.235 v2 & v3 and AES  
Automatic key generation and exchange  
Supported in Dual Stream

**IP NETWORK FEATURES**

DNS lookup for service configuration  
Differentiated Services (QoS)  
IP adaptive bandwidth management (including flow control)  
Auto gatekeeper discovery  
Dynamic playout and lip-sync buffering  
H.245 DTMF tones in H.323  
Date and Time support via NTP  
Packet Loss based Downspeeding  
URI Dialing  
TCP/IP  
DHCP  
Direct DNS dialing

**SECURITY FEATURES**

Management via HTTPS and SSH  
IP Administration Password  
Menu Administration Password  
Disable IP services  
Network Settings protection

**NETWORK INTERFACES**

1 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit

**OTHER INTERFACES**

USB host for future usage  
USB device for future usage  
GPIO\*

**PRECISIONHD 1080P CAMERA**

1/3" CMOS  
12 x zoom  
+15°/-25° tilt, +/- 90° pan  
43.5° vertical field of view  
72° horizontal field of view  
Focus distance 0.3m-infinity  
1920 x 1080 pixels progressive @ 60fps  
Other formats supported (configurable through Dip-switch):  
1920x1080@60fps (HDMI only)  
1920x1080@50fps (HDMI only)  
1920x1080@30fps  
1920x1080@25fps  
1280x720@60fps  
1280x720@50fps  
1280x720@30fps  
1280x720@25fps

Automatic or manual focus/brightness/whitebalance  
Far-end camera control  
Daisy-chain support (Visca protocol camera)  
Dual HDMI and HD-SDI output  
Upside-down mounting with automatic flipping of picture

**SYSTEM MANAGEMENT**

Support for the TANDBERG Management Suite  
Total management via embedded SNMP, Telnet, SSH, XML, SOAP  
Remote software upload: via web server, SCP, HTTP, HTTPS  
1 x RS-232 for local control and diagnostics  
Remote control and on-screen menu system

**DIRECTORY SERVICES**

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

**POWER**

Auto-sensing power supply  
100–120/200–240 VAC, 60/50 Hz, 6A max  
175 watts max. for codec and main camera

**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 A  
– 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

**DIMENSIONS**

Profile 65" Single  
Height: 165 cm (65")  
Width: 150 cm (59.1")  
Depth: 15 cm (5.9")  
Weight: 150 kg (330 lbs)

\* not supported in version 1.

\*\* requires option.

\*\*\* only one LAN/Ethernet interface supported in Version 1.

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

All images in these materials are for representational purposes only, actual products may differ.

TANDBERG and Expressway are registered trademarks or trademarks of TANDBERG in the U.S. and other countries.

All other trademarks are property of their respective owners.

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

**TANDBERG**

**Profile 65"**

**TANDBERG WORLD HEADQUARTERS**

Philip Pedersens vei 20  
1366 Lysaker, Norway  
Tel: +47 67 125 125  
Fax: +47 67 125 234  
Video: +47 67 126 126  
tandberg@tandberg.com

1212 Avenue of the Americas,  
24<sup>th</sup> Floor  
New York, NY USA 10036  
Tel: +1 212 692 6500  
Fax: +1 212 692 6501  
Video: +1 212 692 6535  
tandberg@tandberg.com

October 2009