



TANDBERG Profile 42"

The TANDBERG Profile 42" makes video communications accessible to everyone. Transform any meeting space into a video enabled team room. Whether you're just getting started with video communications or conducting a large scale deployment, the Profile 42" delivers 1080p HD performance in a simple, intuitive design.



Side view

DESIGN FEATURES

- Exclusive Scandinavian design with a clean, sleek look from all angles
- Fully integrated system with 1080p widescreen LCD, PrecisionHD 1080p camera
- Ideal camera and display height for natural communication
- Use of recyclable aluminum materials to support our commitment to the environment

MULTIWAY FEATURES

- Multiway intuitively and instantly integrates multiple party video calls utilizing a TANDBERG MCU and VCS
- H.323/SIP up to 6 Mbps point-to-point
- Optimal definition up to 1080p and support 60 fps up to 720p
- 2x Video Input/Output
- 2x Mini jack audio with mixed mono signal with 1 echo canceller

MULTISITE FEATURES

- Four-way 720p30 High Definition SIP/H.323 MultiSite with Individual Transcoding
- Choice of network up to 6 Mbps point-to-point (H.323/SIP) and up to 10Mbps MultiSite
- 5x Video Inputs
- 5x Video Outputs
- 4x XLR Audio inputs with individual echo canceller
- Optimal definition up to 1080p and support 60 fps up to 720p

FLEXIBLE OPTIONS

Three base options: Stand-alone option with foot attachment, wheel base for mobility or a wall-mount kit for a smaller footprint.

GET THE MOST FROM YOUR INVESTMENT. WITH **PROFESSIONAL SERVICES**, TANDBERG EXPERTS SUPPORT TANDBERG PROFILE DEPLOYMENT AND TRAINING. VISIT WWW.TANDBERG.COM

PROFILE 42" COMMON FEATURES:

PROTOCOLS

H.323
SIP

BANDWIDTH

H.323/SIP up to 6 Mbps point-to-point
(only on the Codec C20plus)
H.323/SIP up to 10 Mbps Multisite*

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

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 (Codec C60)
Support for resolutions up to 720p30 and WXGA
(1289x 768)@15fps simultaneously (Codec C20)

FIREWALL TRAVERSAL

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

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 (H.323)
Date and Time support via NTP
Packet Loss based Downsampling
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 (See PrecisionHD 1080p camera
product specification sheet)
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 (Codec C60)
75 watts max. for codec and main camera (Codec C20)

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

BASE

Available with:
Floor standing footplate
Wheel base
Wall mount on pedestal

DIMENSIONS

Profile 42"
Height: 63.78"/162 cm
Width: 38.58"/98 cm
Depth: 6.7"/17 cm
Weight: 202.8 lbs/92 kg

PROFILE 42" WITH CODEC C60:

Full HD LCD display remote control, PrecisionHD 1080p Camera,
microphone, Digital Audio Module, integrated speakers and
integrated cabling. Choice of installation configuration: floor
stand, wheel base or wall mount on pedestal.

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, 50 Hz (720p)
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, 50, 30, 25 Hz (1080p)
1280x720@60, 50, 30 Hz (720p)
720x576@50 Hz (576p50)
720x480@60 Hz (w480p60)

Digital (DVI-D):
1920x1080@60, 59.94, 50, 30, 29.97,
25, 24, 23.97 Hz (1080p)
1280x720@60, 59.94, 50 Hz (720p)
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+)
1900x1200@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 main audio

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 Downsampling
Dial-in/Dial-out
Conference rates up to 10 Mbps

PROFILE 42" WITH CODEC C20:

Full HD LCD display remote control, PrecisionHD 1080p
Camera, Performance Microphone 20 and choice of installation
configuration: floor stand, wheel base or wall mount on pedestal.

VIDEO INPUT

1X HDMI INPUTS, SUPPORTED FORMATS:

1920x1080@60 fps (1080p60)
1920x1080@50 fps (1080p50)
1920x1080@30 fps (1080p30)
1920x1080@25 fps (1080p25)
1280x720@60 fps (720p60)
1280x720@50 fps (720p50)
640x480@60 fps (480p60)
800x600@60 fps (SVGA)
1024x768@60, 70, 75, 85 fps (XGA)
1280x1024@60, 75 fps (SXGA)

1X DVI-I INPUTS, SUPPORTED FORMATS:

Analog (VGA):
1024x768@60, 70, 75, 85 fps (XGA)
1280x1024@60, 75 fps (SXGA)
Digital (DVI-D):
1920x1080@60 fps (1080p60)
1920x1080@50 fps (1080p50)
1920x1080@30 fps (1080p30)
1920x1080@25 fps (1080p25)
1280x720@60 fps (720p60)
1280x720@50 fps (720p50)
640x480@60 fps (480p60)
800x600@60 fps (SVGA)
1024x768@60, 70, 75, 85 fps (XGA)
1280x1024@60, 75 fps (SXGA)

VIDEO OUTPUTS

2X HDMI OUTPUT, SUPPORTED FORMATS:

1920x1080@60 fps (1080p60)
1280x720@60 fps (720p60)
1366x768@60 fps (WXGA)
1280x768@60 fps (WXGA)
1280x1024@60 fps (SXGA)
1024x768@60 fps (XGA)
800x600@60 fps (SVGA)
640x480@60 fps (VGA)
1280x800@60 fps

LIVE VIDEO RESOLUTIONS (ENCODE/DECODE)

176 x 144@30, 60fps (QCIF)
352 x 288@30, 60fps (CIF)
512 x 288@30, 60fps (w288p)
576 x 448@30, 60fps (448p)
768 x 448@30, 60fps (w448p)
704 x 576@30, 60fps (4CIF)
1024 x 576@30, 60fps (w576p)
640 x 480@30, 60fps (VGA)
800 x 600@30, 60fps (SVGA)
1024 x 768@30fps (XGA)
1280 x 768@30fps (WXGA)
1280 x 720@30, 60' fps, HD720p60)

AUDIO STANDARDS

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

AUDIO FEATURES

CD-Quality 20KHz Mono
1 acoustic echo canceller
Automatic Gain Control (AGC)
Automatic Noise Reduction
Active lip synchronization

AUDIO INPUTS (4 INPUTS)

2 x microphone, 4-pin MiniJack
2 x RCA/Phono (mixed to mono)

AUDIO OUTPUTS (3 OUTPUTS)

2 x RCA/Phono (dual mono) 1 x HDMI, (digital main audio)

* 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.

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actual products may differ.

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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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Profile 42"

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