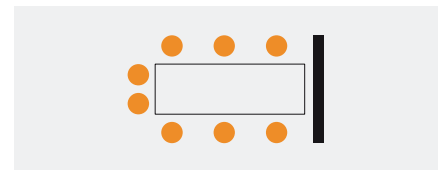




TANDBERG

C20

Compact, integrator package (Up to approx. 6-8 persons)



Quick Set C20 includes the Codec C20, PrecisionHD 1080p 4x or 12x Camera, Performance Mic 20, remote control and cables.

Transform any meeting space into a video communications hub. The TANDBERG Quick Set C20 delivers the absolute quality of 1080p video in a simple-to-deploy, easy-to-manage and easy-to-use system. Whether you're just getting started with video communications or conducting a large-scale deployment, the Quick Set C20 delivers the performance you would expect from a larger system — in a compact, feature-rich package.

DESIGN FEATURES

- Transforms a flat panel display into a 1080p highdefinition meeting space
- Simple, intuitive connections make set up as easy as connecting a DVD player
- Quick Set C20 provides up to 1080p30 resolution with a 4x zoom camera
- Quick Set C20Plus provides up to 1080p30 and 720p60 resolution with a 12x zoom camera
- Standards-compliant 1080p solution compatible with standards-based video without loss of features
- Sleek, compact design

APPLICATION FEATURES

- Share multimedia and presentations at the touch of a button Basic API available over IP (Telnet or SSH)
- Dual-display option available
- HD content sharing with 720p and WXGA

PERFORMANCE FEATURES

- Optimal definition up to 1080p30
- H.323/SIP up to 6 Mbps
- Takes advantage of the TANDBERG Total Solution for Management, including Multiway, recording and streaming and firewall traversal services

Get the most from your investment with VisionsConnected professional services. VisionsConnected experts support deployment of complex video infrastructures, installation, configuration and usage & adoption. Visit www.visionsconnected.com for more information.

VISIONS
CONNECTED 

TANDBERG

C20 – Compact, integrator package

SET DELIVERED COMPLETE WITH:

Codec C20, PrecisionHD 1080p 4x or 12x Camera, Performance Mic 20, remote control, cables and power supply

BANDWIDTH

H.323/SIP up to 6 Mbps point-to-point
720p30 from 768kbps
720p60 from 1152kbps
1080p30 from 1472kbps

FIREWALL TRAVERSAL

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

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 INPUTS (2 INPUTS)

1 X HDMI INPUTS, SUPPORTED FORMATS:

1920 x 1080@60, 59.94 Hz (1080p60)
1920 x 1080@50 Hz (1080p50)
1920 x 1080@30, 29.97 Hz (1080p30)
1920 x 1080@25 Hz (1080p25)
1920 x 1080@24, 23.97 Hz (1080p24)
1280 x 720@60, 59.94 Hz (720p60)
1280 x 720@50 Hz (720p50)
720 x 480@60, 59.94 Hz (480p60)
640 x 480@60 Hz (480p60)
1600 x 1200@50, 60 Hz (UXGA)
1280 x 1024@60, 75 Hz (SXGA)
1024 x 768@60, 70, 75, 85 Hz (XGA)
800 x 600@56, 60, 72, 75, 85 Hz (SXGA)
1920 x 1200@50, 60 Hz (WUXGA)
1680 x 1050@60 Hz (WSXGA+)
1440 x 900@60 Hz (WXGA+)
1280 x 768@60 Hz (WXGA)

1 X DVI-I INPUTS, SUPPORTED FORMATS:

Analog (VGA):
1920 x 1080@60 Hz (1080p)
1280 x 720@60 Hz (720p)
1600 x 1200@60 Hz (UXGA)
1280 x 1024@60, 75 Hz (SXGA)
1280 x 960@60 Hz
1024 x 768@60, 70, 75, 85 Hz (XGA)
1920 x 1200@50 Hz (WUXGA)
1680 x 1050@60 Hz (WSXGA+)
1440 x 900@60 Hz (WXGA+)
1280 x 800@60 Hz (WXGA)
1280 x 768@60 Hz (WXGA)

Digital (DVI-D):

1920 x 1080@60, 59.94 Hz (1080p60)
1920 x 1080@50 Hz (1080p50)
1920 x 1080@30, 29.97 Hz (1080p30)
1920 x 1080@25 Hz (1080p25)
1920 x 1080@24, 23.97 Hz (1080p24)
1280 x 720@60, 59.94 Hz (720p60)
1280 x 720@50 Hz (720p50)
720 x 480@60, 59.94 Hz (480p60)
640 x 480@60 Hz (480p60)
1600 x 1200@50, 60 Hz (UXGA)
1280 x 1024@60, 75 Hz (SXGA)
1024 x 768@60, 70, 75, 85 Hz (XGA)
800 x 600@56, 60, 72, 75, 85 Hz (SXGA)
1920 x 1200@50, 60 Hz (WUXGA)
1680 x 1050@60 Hz (WSXGA+)
1440 x 900@60 Hz (WXGA+)
1280 x 768@60 Hz (WXGA)

VIDEO OUTPUTS (2 OUTPUTS)

2 x HDMI OUTPUT, SUPPORTED FORMATS:

1920 x 1080@60 Hz (1080p60)
1280 x 720@60 Hz (720p60)
1600 x 1200@60 Hz (UXGA)
1280 x 1024@60 Hz (SXGA)
1024 x 768@60 Hz (XGA)
800 x 600@60 Hz (VGA)
640 x 480@60 Hz (VGA)
1920 x 1200@60Hz (WUXGA)
1366 x 768@60 Hz
1366 x 768@60 Hz
1280 x 768@60 Hz (WXGA)
LIVE VIDEO RESOLUTIONS (ENCODE/DECODE)
176 x 144@30 fps (QCIF)
352 x 288@30 fps (CIF)
512 x 288@30 fps (w288p)
576 x 448@30 fps (448p)
768 x 448@30 fps (w448p)
704 x 576@30 fps (4CIF)
1024 x 576@30 fps (w576p)
1280 x 720@30 fps (720p30)
1920 x 1080@30 fps (1080p30)**
512 x 288@60 fps (w288p60)
768 x 448@60 fps (w448p60)
1024 x 576@60 fps (w576p60)
1280 x 720@60 fps (720p60)**
640 x 480@30 fps (VGA)
800 x 600@30 fps (SVGA)
1024 x 768@30 fps (XGA)
1280 x 768@30 fps (WXGA)

AUDIO STANDARDS

G.711, G.722, G.722.1, 64 kbps 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)

DUAL STREAM

H.239 (H.323) dual stream
BFCP (SIP) dual stream
Support resolutions up to WXGAp15
(Main video maximum 720p30)

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
802.1x network authentication
ClearPath

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 device for future usage

PRECISIONHD 1080P

1/3" CMOS
12 x zoom / 4 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 (12 x version)
1920 x 1080 pixels progressive @ 30fps (4 x version)
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/white balance
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
Remote control and on-screen menu system
1 x RS-232 for local control and diagnostics (Y-cable required)

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
Received Calls
Placed Calls
Missed Calls with Date and Time

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

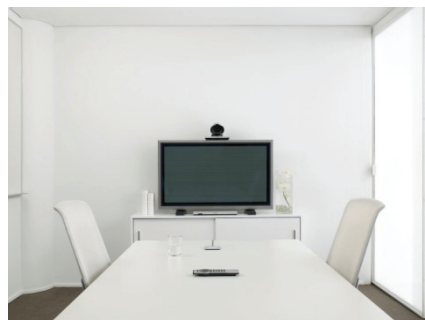
-20° C to 60° C (-4° F to 140° F) at RH 10–90% (non-condensing)

APPROVALS

Directive 2006/95/EC (Low-Voltage Directive) — Standard EN 60950-1
Directive 2004/108/EC (EMC Directive) — Standard EN 55022, Class B — Standard EN 55024 — Standard EN 61000-3-2/-3-3
Approved according to UL 60950-1 and CAN/CSA-C22.2 No. 60950-1-07
Complies with FCC15B Class A

DIMENSIONS CODEC C20

Length: 13.8"/35.0 cm
Height: 1.2"/3.0 cm
Depth: 5.7"/12.7 cm
Weight: 4 lbs/1.8 kg



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CONNECTED

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