



TANDBERG E20

TANDBERG is reinventing the desk phone by merging voice, video and collaboration into one device. A highly scalable solution for enterprise mass deployment, everyone in the organization will immediately see the benefits of increased productivity and daily collaboration.



DESIGN FEATURES

- Attractive Scandinavian design
- Superior quality IP telephone with advanced features
- Intuitive user interface and keypad for quick access to all IP phone and video services
- Wideband 10 kHz handset
- Easy to deploy and manage

APPLICATION FEATURES

- Video and voice for every desk
- Scalable for enterprise mass deployment
- Richer collaboration than only phone calls can provide
- Unite remote workers and other members of the organization
- Scale expertise across the organization
- Familiar IP telephone features such as a message waiting indicator/button
- Handset, headset, speakerphone flexibility

PERFORMANCE FEATURES

- Ultra wideband 20 kHz speaker phone
- TANDBERG acoustic echo cancellation
- High-resolution TANDBERG camera with integrated privacy shutter
- DVD quality, w448p video resolution
- 10.6" wide format LCD display with WXGA resolution
- Bandwidth — SIP up to 1152 kbps
- Firewall traversal through TANDBERG Video Communications Server (VCS) Expressway

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

LCD screen, camera, microphone, loudspeaker, keypad
and handset
Delivered with power supply /cable and Ethernet cable.

10.6" wide viewing angle screen
WXGA (1280x768)
Manual brightness, contrast, color RGB

CAMERA
TANDBERG custom camera design
1/2.5" CMOS sensor
Aperture F2.7
50° Horizontal field of view
29° Vertical field of view (39° total)
+5°/-5° digital tilt
Manual focus

Focus distance 0.3m-infinity
1280 x 720 progressive @30 fps
Automatic frequency detection (PAL/NTSC)
Automatic and manual brightness/white balance

SIP up to 1152 kbps

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

Native 16:9 Widescreen
Picture in Picture (PIP)

TRANSMIT AND RECEIVE:
768 x 448@30fps (w448p)
576 x 448@30fps (448p)
512 x 288@30fps (w288p)
352 x 288@30fps (CIF)
176 x 144@30fps (QCIF)

1280 x 768@7,5fps (WXGA)
1024 x 768@7,5fps (XGA)
1024 x 576@7,5fps (w576)
800 x 600@7,5fps (SVGA)
704 x 480@15fps (4SIF)
704 x 480@15fps (4CIF)
640 x 480@15fps (VGA)
352 x 240@30fps (SIF)

MPEG4 AAC-LD, G.729ab, G.722, G.722.1, G.711

- Ultra wideband 20 kHz speaker phone
- Wideband 10 kHz handset
- RJ11 headset port
- TANDBERG acoustic echo cancellation
- Automatic Gain Control (AGC)
- Automatic Noise Reduction
- Packet loss management
- Active lip synchronization

- Camera with integrated privacy shutter
- Video mute button with backlight indicator and far-end video mute indication
- Audio mute button with backlight indicator and far-end audio mute indication
- Headset button with backlight indicator

On-screen graphic user interface
Navigation cluster with select button
Message waiting indicator/button
5 contextual soft keys

Receive DuoVideo on SIP BFCP

Through TANDBERG Video Communications Server (VCS)

AES with SRTP and TLS
Automatic key generation and exchange

IP NETWORK FEATURES
 Differentiated Services (DiffServ)
 Dynamic play out and lip-sync buffering
 Intelligent Packet Loss Recovery (IPLR)
 Maximum call length timer
 IP Address Conflict Warning
 URI Dialing
 DNS lookup for service configuration
 Date and Time support via NTP

IPv4

SECURITY FEATURES
 IP Administration Password
 Menu Administration Password
 Embedded encryption (AES)
 Call status light indication
 SIP Authentication via NTLM
 SIP Authentication via Digest
 Management via HTTPS and SSH

Internal 2-port Ethernet switch
 1 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit for PC
 1 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit for LAN

USB host port for future applications
Bluetooth module for future applications

TCP/IP, DHCP, ARP, SNMP, SSH, SCP, SOAP and XML
Internal Web server, HTTP, HTTPS

TTY (Telephone Text) support via handset

Support for the TANDBERG Management Suite
SSH, XML, SOAP, SNMP
Remote software upload via Web server or SSH/SCP

Support for Local Directories (My Contacts)
Support for Server Directory via TMS*
Received, Placed and Missed Calls with Date and Time

Auto-sensing power supply
100–240 VAC, 50–60 Hz
24 watts max

0° C to 35° C (32° F to 95° F) ambient temperature
10% to 80% Relative Humidity (RH)

-20° C to 60° C (-4° F to 140° F) at RH 10–80% (non-condensing)

Directive 2006/95/EC (Low Voltage Directive)
 — Standard EN 60950-1 2nd ed
 Directive 89/336/EEC (EMC Directive)
 — Standard EN 55022, Class B
 — Standard EN 55024
 — Standard EN 61000-3-2/-3-3
 Approved according to UL 60950-1 2nd ed and IEC
 No. 60950-1-07 2nd ed
 Complies with FCC15B Class B

Height: 34.7 cm (13.7 inches)
Width: 31.6 cm (12.4 inches), 27.7 cm (10.9 inches) without handset cradle
Depth: 17.0 cm (6.9 inches)
Footprint: 17.0 cm x 31.6 cm (6.68 inches x 7.3 inches)
Weight: 1.9 kg (4.2 lbs)

**Requires TANDBERG Management Suite version 12 or newer*

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

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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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