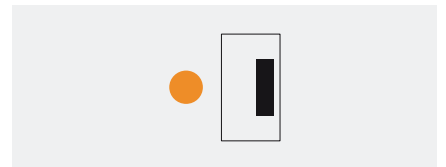




TANDBERG

E20

Desktop video conferencing (Up to approx. 1-2 persons)



E20 supports MultiWay which intuitively and instantly integrates multiple party video calls.

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
- Efficient and cost-effective deployment in highly scalable environments
- Out of the box provisioning available for remote users
- Familiar IP telephone features such as a message waiting indicator/button
- Handset, headset (bluetooth), speakerphone flexibility
- USB picture frame

APPLICATION FEATURES

- Video and voice for every desk
- Scalable for enterprise mass deployment
- Richer collaboration than only phone calls can provide
- Easily include additional users to your video call with the Multiway feature
- Unite remote workers and other members of the organization
- Scale expertise across the organization

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 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

E20 – Desktop video conferencing

FULLY INTEGRATED UNIT INCLUDING:

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

LCD SCREEN

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
Ambient light frequency detection Automatic and manual brightness/white balance

BANDWIDTH

SIP up to 1152 kbps

VIDEO STANDARDS

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

VIDEO FEATURES

Native 16:9 Widescreen Picture in Picture (PIP)

VIDEO RESOLUTIONS AND FRAME RATES

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)

RECEIVE ONLY:

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 576@15fps (4CIF) 640 x 480@15fps (VGA) 352 x 240@30fps (SIF)

AUDIO STANDARDS

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

AUDIO FEATURES

Ultra wideband 20 kHz speaker phone Bluetooth headset association

Wideband 10 kHz handset RJ9 headset port TANDBERG acoustic echo

cancellation Automatic Gain Control (AGC) Automatic Noise Reduction

Packet loss management Active lip synchronization

PRIVACY FEATURES

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

USER INTERFACE

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

DUAL STREAM

Receive DuoVideo on SIP BFCP

Soft key to switch between viewing received presentation and camera view

MULTIPARTY CONFERENCING

MultiWay™ support for intuitive, instant initiation of multiparty video conferences using a multipoint control unit
MultiWay™ conference layout control using dial tones (DTMF)

FIREWALL TRAVERSAL

Through TANDBERG Video Communications Server (VCS)

EMBEDDED ENCRYPTION

AES over SRTP and TLS Automatic key generation and exchange

IP NETWORK FEATURES

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

IP NETWORK SUPPORT

IPv4

SECURITY FEATURES

Kensington Lock 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 SRTP

NETWORK INTERFACES

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

AUXILIARY INTERFACES

USB host port for future applications Bluetooth module for future applications

ETHERNET/INTERNET/INTRANET CONNECTIVITY

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

CAPTIONED TELEPHONY

TTY (Telephone Text) support via handset

SYSTEM MANAGEMENT

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

DIRECTORY SERVICES

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

SELECTABLE LANGUAGE MENU SUPPORT

English, Simplified Chinese, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish and Turkish

POWER

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

OPERATING TEMPERATURE AND HUMIDITY

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

STORAGE AND TRANSPORT TEMPERATURE

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

APPROVALS

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 CAN/CSA C22.2 No. 60950-1-07 2nd ed Complies with FCC15B Class B

UNIT DIMENSIONS

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)



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