HUAWEI TE10

Huddle-Room Cloud Video Endpoint

Huawei TE10 is an innovative cloud-based videoconferencing endpoint, which can connect to a wide range of cloud platforms. The TE10's compact design integrates the camera, codec, microphone, speaker, Bluetooth and Wi-Fi, and bracket. It adopts professional audio and video communications technologies and has impressive network adaptation capabilities. The TE10 is an optimal communications choice for huddle rooms and staff on business trips.

Easily Connect to Diverse Cloud Platforms

- Seamless integration with the Huawei enterprise communications cloud platform and IMS
- Interconnection with various third-party cloud platforms, such as BlueJeans, Zoom, Videxio, StarLeaf, Cloudtp and EICG
- Video calls easily initiated by cloud platform accounts
- Abundant API interfaces, implementing flexible integration with third-party service platforms

Cloud   **BlueJeans**   **ZOOM**   **Videxio**   **StarLeaf**   **Cloudtp**   **EICG**

AirPresence for Easier Mobile Sharing

- Connect to the TE10 using your smartphone or tablet to scan the QR code for mobile presentation sharing
- When matching with PC using the USB interface, AirPresence Key enables quick content sharing without any cables
- Embedded dual-band Wi-Fi module (2.4 and 5 GHz supported), which can connect to a Wi-Fi network or serve as a Wi-Fi hotspot
- Bluetooth for connection to a Bluetooth speaker with a built-in microphone

Compact Design for Fast Deployment

- Six-in-one design integrates a built-in camera, codec, microphone, speaker, Bluetooth and Wi-Fi, and bracket
- Metal texture and stylish appearance
- Hatch on the bottom for fast deployment on a display
- Simple RF remote control
- Automatic configuration import from a USB device, with no manual intervention

Professional Quality for a Superb Experience

- Wide-angle lens with 3x digital zoom
- Built-in microphone array with 180-degree directional and 6-meter sound pickup
- 720p video and 1080p presentation
- HD video available at a low bandwidth of 384 kbit/s
- Patented Super Error Concealment (SEC) ensures high-quality video experience even with packet loss of 20 percent
- Media and signaling encryption for conference security

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HUAWEI TE10 Technical Specifications

Components	
HD codec (built-in HD camera, microphone array, speaker, Bluetooth and Wi-Fi, and bracket), Radio Frequency (RF) remote control, auxiliary cables, power adapter, wall-mount bracket (optional), and AirPresence Key (optional)	

Communication Protocols	
Multimedia frame protocols	ITU-T H.323, IETF SIP
Video encoding and decoding protocols	H.264 BP, H.264 HP
Audio encoding and decoding protocols	G.711A, G.711U, G.722.1C*, G.722 and Opus
Dual-stream protocol	ITU-T H.239, BFCP
Other communication protocols	H.350, LDAP, and LDAPS
Network transmission protocols	FTP, FTPS, DHCP, DNS, SNMP, Telnet, SSH, HTTP, HTTPS, SNTP, TR-069, RTP, and RTCP
Wi-Fi standards	IEEE802.11a/b/g/n, WPA, and WPA2

Video Features	
Video resolution	· 720p30 (minimum bandwidth required: 384 kbit/s) · 4SIF/4 CIF (minimum bandwidth required: 128 kbit/s) · SIF/CIF (minimum bandwidth required: 64 kbit/s)
Presentation resolution	Wireless access: 1080p5/720p15
Video + Presentation resolution	720p30 + 1080p5 or 720p30 + 720p15
Built-in HD camera	· Built-in 1080p camera · 2.0 megapixels · 3x digital zoom · Automatic White Balance (AWB) · Automatic Exposure (AE)
Other video features	Various display modes, such as Picture-in-Picture (PiP) and Picture-out-Picture (PoP)

Audio Features	
Audio features	Acoustic Echo Cancellation (AEC), Automatic Noise Suppression (ANS), Automatic Gain Control (AGC), VoiceClear, AudioEnhancer, and lip synchronization

Stability and Security	
Network Adaptability	Dual-stack IPv6 and IPv4, IP Precedence, Diffserv, Super Error Concealment (SEC), Automatic Repeat-reQuest (ARQ), and Forward Error Correction (FEC)
Security management	· TLS-/SRTP-based encryption · Conference access password, conference control password, and administrator password · SSH/HTTPS and dual-stream encryption

Bandwidth	
IP	64 kbit/s to 2 Mbit/s

Ports	
Audio input port	1 x built-in microphone array, and Bluetooth
Audio output ports	1 x 3.5 mm, 1 x HDMI (audio supported), 1 x speaker, and Bluetooth
Video input port	1 x built-in camera
Video output port	1 x HDMI
USB port	1 x USB 2.0 Host
Network port	IP: 10/100/1,000 Mbit/s Base-T, 1 x RJ45 Wireless: built-in Wi-Fi

Conference Features	
Languages	Simplified Chinese, English, French, German, Japanese, Spanish, Russian, Traditional Chinese, Portuguese, and Italian
Features	· Interconnection with third-party cloud platforms · Plug-and-play configuration via USB device · Built-in speaker · Connection to a keyboard or mouse · Bluetooth speaker · SiteCall · One-button-to-join · Dual-band Wi-Fi (2.4 GHz and 5 GHz) · AirPresence · LDAP/Network address book · Seamless integration with the IMS · eSDK and third-party APIs · Customized startup animation · RF remote control

Maintenance and Management	
Maintenance methods	· Using the remote control: Compact remote control and flat, lightweight interactive UI · Using the network management system: SNMP and TR-069 protocols supported · Using the web interface: Embedded web server and graphic maintenance and diagnostics · Using command lines: Telnet and SSH supported
Maintenance functions	· Automatic sleep and wake-up using the remote control · Logging and log query and export · Factory settings restoration · Embedded local loopback · Embedded audio and video testing

Dimensions and Weight	
Dimensions (H x W x D)	· Endpoint dimensions: 90 mm x 90 mm x 90 mm · Package dimensions: 110 mm x 160 mm x 158 mm · Net weight: 0.5 kg · Gross weight: 1.6 kg
Electricity supply requirements	· Working voltage: 100V to 240V AC or 12V DC · Working frequency: 50 Hz to 60 Hz · Maximum power consumption: 8W
Environmental requirements	· Temperature: 0°C to 40°C (working state), −40°C to 70°C (non-working state) · Relative humidity: 10% to 90% (working state), 10% to 90% (non-condensing state) · Ambient noise: < 6 dBA SPL · Minimum illumination: 7 lux · Recommended illumination: > 300 lux
Certification	CCC, CE (RoHS/REACH), UL, FCC, and Radio Type Approval Certification

Installing the TE10

Mounted on top of a display

Mounted on a wall

*: G.722.1C licensed from Polycom®