

HUAWEI TE30

All-in-One HD Videoconferencing System



HUAWEI TE30 is an all-in-one HD videoconferencing system with unique voice dialing and Wi-Fi access, and enables more people to join a multipoint conference. Its compact appearance and simplified installation make it an ideal choice for small- and medium-sized conference rooms.

Elegant all-in-one design, easy to deploy and install

TE30 is a compact system with built-in HD codec, camera, and microphone array.

It takes just 1 cable and 5 minutes from unpacking to joining a video conference.

Smart design enables TE30 to be wall-mounted, placed on a TV set, or ceiling-mounted with inverted installation.

Voice Dialing

TE30 recognizes multiple languages. You can call or join a conference by saying the name of the scheduled conference or the site name.

Wi-Fi Access

Built-in Wi-Fi enables TE30 to support wireless network, wireless microphone, air content sharing.

User-Friendly Interface and Remote-Control Design

Innovative 3D GUI, convenient to use and maintain.

Wizard for first-time installation.

LCD display for real-time local site information.

Wireless touch panel (Optional) for visualized control.

Next-Generation Technology for Superior HD Experience at Lower Bandwidth

Supports Video Motion Enhancement (VME) and H.264 HP; saves 50% of bandwidth.

Proprietary VME combined with intelligent face recognition and video image processing helps TE30 adapt to different lighting conditions, reduce bandwidth consumption, and enhance video quality. Built-in microphone with sound pickup radius up to 6 m.

Outstanding Network Adaptability and Security Mechanism

Patented Super Error Concealment (SEC) ensures high-quality video experience even with packet loss of 20 percent.

Supports H.264 SVC to adapt to different bandwidths, device capabilities, and network requirements.

Standard H.460 and proprietary SNP technology guarantee secure firewall traversal.

H.235 media stream and signaling encryption; SRTP, TLS, and HTTPS encryption.

Extensive System Integration

Inter-operable with standard endpoints and infrastructures.

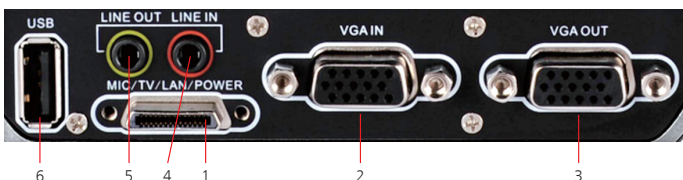
Integration with Microsoft Lync2010™ and OCS2007R2.

Seamless integration with IMS.

Plentiful third-party APIs for system integration and customization.

HUAWEI TE30 Specifications

Packet includes
HD Codec, built-in camera and Omni-array Microphone, cables and remote control Optional: HUAWEI VPM220 or HUAWEI VPM220W, Wireless touch panel
Standard & Protocols
Standards and Protocols: ITU-T H.323, IETF SIP
Video Standards & Protocols: H.263, H.263+, H.264 BP, H.264 HP, H.264 SVC
Audio Standards & Protocols: G.711, G.722, G.728, G.722.1*, G.722.1C*, AAC-LD, HWA-LD, G.719, G.729, G.729A
Dual Stream: ITU-T H.239, BFCP
Other Standards: H.221, H.225, H.230, H.231, H.233, H.234, H.235, H.241, H.242, H.243, H.245, H.281, H.283, H.350, H.460, T.140, DTMF
Network Standards & Protocols: TCP/IP, FTP, FTPS, DHCP, SNMP, Telnet, SSH, HTTP, HTTPS, PPPoE, RTP, RTCP, Sntp, 802.1X, 802.1P, 802.1Q
Video Specifications and Features
<p>People Video Resolution:</p> <ul style="list-style-type: none"> 1080p @ 30fps from 512 Kbps (Optional) 720p @ 50/60fps from 512 Kbps (Optional) 720p @ 25/30fps from 384 Kbps 4SIF/4CIF from 128 Kbps SIF/CIF/QCIF/SQIF from 64 Kbps <p>Content Video Resolution:</p> <ul style="list-style-type: none"> Input: VGA (640x480) @ 60/72/75/85 fps, SVGA (800x600) 56/60/72/75/85 @ fps, XGA (1024x768) @ 60/70/75/85 fps, 1152x864 @ 60/75/85 fps, 1280x600 @ 60 fps, WXGA (1280x768) @ 60/75/85 fps, WXGA (1280x800) @ 60/75/85 fps, 1280x960 @ 60/75/85 fps, SXGA (1280x1024) @ 50/60/72/75/85 fps, 1360x768 @ 60 fps, 1366x768 @ 60 fps, 1440x900 @ 60 fps, XGA+ (1400x1050) @ 60 fps, 720p @ 60/75/85 fps, 1080p @ 60 fps, 1600x900 @ 60 fps, 1600x1200 @ 60 fps, 1680x1050 @ 60 fps, 1920x1200 @ 60 fps Coding/Decoding resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080 Output: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080 <p>Dual Stream: 1080p 30fps + 1080p 5fps (Optional); Dual 720p @ 30 fps</p> <p>1080p HD Camera:</p> <ul style="list-style-type: none"> Built-in camera Video output pixels: 1080p @ 50/60 fps Lens: 2-megapixel and 1/3-inch CMOS imaging chip Zoom: 12x optical Number of preset positions: 30 Maximum horizontal angle: 72°horizontal field of view Panning/Tilting angle: +/-30° tilt, +/- 100° pan Automatic White Balance (AWB), Automatic Exposure (AE), Automatic Focus (AF) Far-end camera control Upside-down mounting with automatic flipping of picture <p>Other Video Features:</p> <ul style="list-style-type: none"> Intelligent Face Detection Picture in Picture, Picture outside Picture VME (Video Motion Enhancement) Video Intensifier View Processing
Audio Specifications and Features
<p>Audio features:</p> <ul style="list-style-type: none"> Dual-channel AAC-LD Stereo HWA-LD Stereo: HUAWEI Audio Broadband Low Delay Stereo Acoustic Echo Cancellation (AEC) Acoustic Noise Suppression (ANS) 12 dB Automatic Gain Control (AGC) ±6 dB Voice Clear, Audio Enhancer Lip synchronization
Security and Stability
<p>Network:</p> <ul style="list-style-type: none"> Dual-stack IPv6 and IPv4 IP Precedence, Diffserv Uniform resource identifier (URI) dialing Super Error Concealment (SEC), Intelligent Rate Control (IRC) Automatic Repeat-reQuest (ARQ), Forward Error Correction (FEC), PLC <p>Security:</p> <ul style="list-style-type: none"> H.235 signaling and media stream encryption AES media stream encryption, dual-stream encryption TLS and SRTP for SIP signaling and media stream encryption Conference access password, conference control password Administrator password, SSH/HTTPS <p>Firewall Traversal: H.460.18, H.460.19 firewall traversal, Static NAT, SNP</p>
Bandwidth
IP: 64 Kbps to 4 Mbps
Interfaces
Audio Inputs: 1x3.5 mm line-in jack, 1xHD-AI (stereo, connects to microphone array)
Audio Outputs: 1x3.5 mm line-out jack, 1xHDMI
Video Inputs: 1xVGA, 1xBuilt-in Camera
Video Outputs: 1xVGA/YpBPr, 1xHDMI



*: G.722.1/G.722.1C, licensed from Polycom®

USB Interfaces: 1xUSB 2.0 Host
<p>Network Interfaces:</p> <ul style="list-style-type: none"> IP: 10/100 Base-T, 1xRJ45 Wireless: Built-in Wi-Fi
Application Features
<p>Languages: Simplified Chinese, Traditional Chinese, English, Japanese, Russian, French, Spanish, Portuguese, German, Finnish, Polish, Hungarian, Italian, Norwegian, Arabic, Swedish, Romanian, Czech, Turkish, Greek, Thai, Dutch, Malay, Indonesian</p> <p>Embedded MCU(Optional):</p> <ul style="list-style-type: none"> Non-encrypted conference: 4-way HD (576P)/SD video sites+ 3-way VOIP Encrypted conference: 4-way HD (Asymmetric 720P)/SD video sites Max bandwidth: 6M Auto CP on each port, voice activation, chairman token, broadcast site, H.239 and BFCP; HD/SD endpoints compliant with H.323/ SIP in the same conference, tolerant of different bandwidth consumption and audio/video protocols <p>Special Features:</p> <ul style="list-style-type: none"> Voice Dialing in English and Chinese Installation from a USB disk, Plug and play Integration with Microsoft Lync2010™ and OCS2007R2 Hybrid with IMS network Wi-Fi Air content sharing Wireless MIC VPM220W access Upside-down mounting HD SiteCall Lock content sharing Web-based conference management Web-based image monitoring and capture snapshot 16:9 and 4:3 mixed display PIP: 1/16 picture size, optional position Split output: Bi-screen and tri-screen display LDAP/Network address book API for integration <p>Digital Caption:</p> <ul style="list-style-type: none"> Caption banner, body text and information bar Rolling display mode of the speech draft Modifiable front background color, caption size and transparency 64 optional colors Editable caption and auto zone adjustment Caption rolling mode setting Site name display and position shift Text input through remote control External character generator Powerful caption SMS function
Optional
Accessories: VPM220 Microphone array or VPM220W wireless Microphone, Wireless touch panel
Function Models: 1080p @ 30 fps, Embedded MCU
Maintenance Management
<p>Maintain Methods:</p> <ul style="list-style-type: none"> Remote control: 3D Effects & GUI Animation Endpoints Network Management: SNMP Wireless touch panel (Optional) Embedded Web server, GUI interface Command line mode: Telnet/SSH <p>Maintain Functions:</p> <ul style="list-style-type: none"> Endpoint IP and number are displayed on the front panel Auto sleep, wake-up by remote control or remote module Event log record, query, display and export query results IP network test, default settings restoration Local and remote loopback Test signals: providing sound test and standard test stripes
Physical Characteristics
<p>Dimensions:</p> <ul style="list-style-type: none"> Codec dimensions (LxWxH): 235mmx167mmx157mm Package dimensions (LxWxH): 402mmx232mmx237mm Net weight: 2.1 kg Package Weight: 3.3 kg <p>Electrical:</p> <ul style="list-style-type: none"> Working voltage: 100-240 V AC, 12 V DC Working frequency: 50-60 Hz Power consumption: 60 W <p>Environmental Specification:</p> <ul style="list-style-type: none"> Operating Temperature: 0°C to 40°C Operating Humidity: 10% to 80% Non-Operating Temperature: -40° to -70°C Non-Operating Humidity (Non-condensing): 0% to 95% Peripheral noise: < 46 dBA SPL Lowest luminance: 7 lux Recommended luminance: > 300 lux
Approval and Compliance: CE, RoHS, WEEE, REACH, UL, FCC, CCC

No	Interface Type	No	Interface Type
1	1x4 in 1 interface (MIC/TV/LAN/POWER)	4	Audio input (3.5 mm line-in)
2	Video input (VGA)	5	Audio output (3.5 mm line-in)
3	Video output (VGA)	6	USB interface