

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, P2P to multipoint

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

The third-party can be added in a P2P call or called to connect to other multipoint conferences. No need to hang up the conference. This simplifies operation and improves efficiency.

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.

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, RTV |
| 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.225, H.235, H.241, H.243, H.245, H.350, H.460, T.140, DTMF, H.281, H.224 |
| Network Standards & Protocols: TCP/IP, FTP, FTPS, DHCP, SNMP, Telnet, SSH, HTTP, HTTPS with SSL/TLS, PPPoE, RTP, RTCP, SNT, ARP, 802.1X, 802.1P, 802.1Q |
| Video Specifications and Features |
| People Video Resolution: <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/SQCIF from 64 Kbps |
| Content Video Resolution: <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 |
| Dual Stream: 1080p 30fps + 1080p 5fps (Optional); Dual 720p @ 30 fps |
| 1080p HD Camera: <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 Maximum vertical angle: 44.5°vertical 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 |
| Other Video Features: <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 |
| Audio features: <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 |
| Network: <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 |
| Security: <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 |
| Firewall Traversal: H.460.18, H.460.19 firewall traversal, Static NAT, SNP |
| 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 |
| Network Interfaces: <ul style="list-style-type: none"> IP: 10/100 Base-T, 1xRJ45 Wireless: Built-in Wi-Fi |
| Application Features |
| 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 |
| Embedded MCU(Optional): <ul style="list-style-type: none"> Non-encrypted conference: 4-way HD (receive 576p, send 720p)/SD video sites+ 3-way VOIP Encrypted conference: 4-way HD (receive 576p, send 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 |
| Special Features: <ul style="list-style-type: none"> Voice Dialing in English and Chinese Installation from a USB disk, Plug and play Hybrid with IMS network Wi-Fi Air content sharing Wireless MIC VPM220W access Upside-down mounting P2P to multipoint Favorites in address book 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 |
| Digital Caption: <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 VPM220Wireless Microphone, Wireless touch panel |
| Function Models: 1080p @ 30 fps, Embedded MCU |
| Maintenance Management |
| Maintain Methods: <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 |
| Maintain Functions: <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 |
| Dimensions: <ul style="list-style-type: none"> Codec dimensions (LxWxH): 235mmx167mmx157mm Package dimensions (LxWxH): 402mmx232mmx237mm Net weight: 2.1 kg Package Weight: 3.3 kg |
| Electrical: <ul style="list-style-type: none"> Working voltage: 100–240 V AC, 12 V DC Working frequency: 50-60 Hz Power consumption: 60 W |
| Environmental Specification: <ul style="list-style-type: none"> Operating Temperature: -5°C to 45°C Operating Humidity: 10% to 95% Non-Operating Temperature: -40° to 70°C 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 |