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. 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, microphone.

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.

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.
Integrates with Microsoft OCS/Lync.
Seamless integration with IMS.
Plentiful third-party APIs for system integration and customization.

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HUAWEI TE30 Specifications

Packet includes

HD Codec, built-in camera and Omni-array Microphone, cables and remote control

Optional: HUAWEI VPM220

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

Dual Stream: ITU-T H.239, SIP

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

Network Standards & Protocols: TCP/IP, FTP, FTPS, DHCP, SNMP, Telnet, SSH, HTTP, HTTPS, PPPoE, RTP, RTCP, SNTP

Video Specifications and Features

People Video Resolution:
- 1080p @ 30fps from 512 kbps/s (Optional)
- 720p @ 50/60fps from 512 kbps/s (Optional)
- 720p @ 25/30fps from 384 kbps/s
- 4SIF/4CIF from 128 kbps/s
- SIF/CIF/QSIF/QCIF/SQSIF/SQCIF from 64 kbps/s

Content Video Resolution:
- Input: VGA (640×480) @ 60/72/75/85 fps, SVGA (800×600) 56/60/72/75/85 @ fps, XGA (1024×768) @ 60/70/75/85 fps, 1152×864 @ 60/75/85 fps, 1280×600 @ 60 fps, WXGA (1280×768) @ 60/75/85 fps, WXGA (1280×800) @ 60/75/85 fps, 1280×960 @ 60/75/85 fps, SXGA (1280×1024) @ 50/60/72/75/85 fps, 1360×768 @ 60 fps, 1366×768 @ 60 fps, 1440×900 @ 60 fps, XGA+ (1400×1050) @ 60 fps, 720p @ 60/75/85 fps, 1080p @ 60 fps, 1600×900 @ 60 fps, 1600×1200 @ 60 fps, 1680×1050 @ 60 fps, 1920×1200 @ 60 fps
- Coding/Decoding resolution: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080
- Output: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080

Dual Stream: Dual 1080p (Optional); Dual 720p @ 30 fps

1080p HD Camera:
- Built-in camera
- Video output pixels: 1080p @ 50/60 fps
- Lens: 2-megapixel and 1/3-inch CMOS imaging chip
- Zoom: 12x optical
- 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

Other Video Features:
- Intelligent Face Detection
- Picture in Picture, Picture outside Picture
- VME (Video Motion Enhancement)
- Video Intensifier
- View Processing

Video Specifications and Features

Audio features:
- 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:
- Super Error Concealment (SEC), Intelligent Rate Control (IRC)
- Automatic Repeat-reQuest (ARQ), Forward Error Correction (FEC), PLC

Security:
- 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/s to 4 Mbps/s

Interfaces

Audio Inputs: 1×3.5 mm line-in jack, 1×HD-AI (stereo, connects to microphone array)

Audio Outputs: 1×3.5 mm line-out jack, 1×HDMI

Video Inputs: 1×VGA, 1×Built-in Camera

Video Outputs: 1×VGA/YPbPr, 1×HDMI

USB Interfaces: 1×USB 2.0 Host

Network Interfaces:
- IP: 10/100 Base-T, 1×RJ45
- Wireless: Built-in Wi-Fi

Application Features

Languages: Simplified Chinese, Traditional Chinese, English, German, Spanish, French, Norwegian, Italian, Polish, Russian, Portuguese, Hungarian, Finnish, Romanian, Czech, Swedish, Arabic, Turkish, Greek

Special Features:
- Voice Dialing in English and Chinese
- Installation from a USB disk, Plug and play
- Integration with Microsoft OCS/Lync
- Hybrid with IMS network
- IPv6
- Wi-Fi
- Upside-down mounting
- SiteCall (HD dual-stream)
- Lock Site/Conference
- Web-based conference management
- Web-based image monitoring and HD picture snapshot
- 16:9 and 4:3 mixed display
- Picture-in-picture: 1/16 picture size, optional position
- Split output: Bi-screen and tri-screen display
- LDAP/Network address book
- API for integration

Digital Caption:
- Caption banner, body text and information bar
- Rolling display mode of the speech draft
- Modifiable front background color, caption size and transparency
- 16 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

Function Models: 1080p @ 30 fps

Maintenance Management

Maintain Methods:
- Remote control: 3D Effects & GUI Animation
- Endpoints Network Management: SNMP
- Embedded Web server, GUI interface
- Command line mode: Telnet/SSH

Maintain Functions:
- 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:
- Codec dimensions (L×W×H): 235mm×167mm×157mm
- Package dimensions (L×W×H): 402mm×232mm×237mm
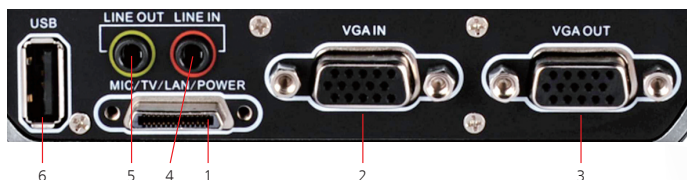- Net weight: 2.1 kg
- Package Weight: 3.3 kg

Electrical:
- Working voltage: 100-240 V AC 12 V DC
- Working frequency: 50-60 Hz
- Power consumption: 60 W

Environmental Specification:
- 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	1×4 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

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

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