ComX Computers
Product Specification Sheet

02311KHA

Huawei TE30 Videoconferencing Endpoint

Product Overview

Huawei TE30 Videoconferencing Endpoint (1080P, videoconferencing system with embedded Codec, camera and microphone, including cable assembly, remote control)



Specifications

Overview:

High-Definition video conferencing made easy with the Huawei TE30 All-in-One endpoint device. Camera, microphone, and HD codec are integrated into a compact IP-based device that is easy to install and begin using. Intelligent voice dialing lets users join a conference by simply saying its name. H.264 High Profile (HP) support, plus Huawei's patented Video Motion Enhancement (VME) technology deliver high-quality dual-1080p video at low bandwidth. Built-in Wi-Fi, IPv4/IPv6 support, and APIs for integration and customization make the TE30 ideal for converting a small or medium-sized conference room into a cutting-edge video conferencing facility.

Features:

- Supports smart voice dialing in Chinese and English from 19 feet away (6 meters), eliminating the need for manual dialing and conference initiation
- Provides Wi-Fi connectivity to networks, presentation sources, microphones, and touch panels
- Adopts new VME + HP dual-core technology, delivering a superior HD experience with just half the bandwidth of competitive offerings
- Adopts Scalable Video Coding (SVC) and Huawei's patented Super Error Concealment (SEC) 3.0 for security and smooth conferencing performance with packet loss up to 20%
- H.235 media stream and signaling encryption; SRTP, TLS, and HTTPS encryption
- Optional built-in Multicast Control Unite (MCU) adds networking flexibility

Specifications:

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Specifications

Product Code	02311KHA
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, and RTV
Audio Standards & Protocols	G.711, G.722, G.728, G.722.1*, G.722.1C*, AAC-LD, HWA-LD, G.719, G.729, and G.729A
Dual Stream	ITU-T H.239, BFCP
Other Standards	H.221, H.225, H.230, H.231, H.235, H.241, H.242, H.243, H.245, H.281, H.350, H.460, T.140, and DTMF
Network Standards & Protocols	TCP/IP, FTP, FTPS, DHCP, SNMP, Telnet, SSH, HTTP, HTTPS with SSL/TLS, PPPoE, RTP, RTCP, SNTP, ARP, 802.1X, 802.1P, and 802.1Q
Video Specifications and Features	
People Video Resolution	1080p30 from 512 kbit/s (optional)
	720p50/60 from 512 kbit/s (optional)
	720p25/30 from 384 kbit/s
	4SIF/4CIF from 128 kbit/s
	SIF/CIF/QSIF/QCIF/SQSIF/SQCIF from 64 kbit/s
Content Video Resolution	Input: VGA (640 x 480) @ 60/72/75/85 fps, SVGA (800 x 600) 56/60/72/75/85 @ fps, XGA (1,024 x 768) @ 60/70/75/85 fps, 1,152 x 864 @ 60/75/85 fps, 1,280 x 600 @ 60 fps, WXGA (1,280 x 768) @ 60/75/85 fps, WXGA (1,280 x 800) @ 60/75/85 fps, 1,280 x 960 @ 60/75/85 fps, SXGA (1,280 x 1,024) @ 50/60/72/75/85 fps, 1,360 x 768 @ 60 fps, 1,366 x 768 @ 60 fps, 1,440 x 900 @ 60 fps, XGA+ (1,400 x 1,050) @ 60 fps, 720p60/75/85, 1080p60, 1,600 x 900 @ 60 fps, 1,600 x 1,200 @ 60 fps, 1,680 x 1,050 @ 60 fps, 1,920 x 1,200 @ 60 fps
	Coding/Decoding resolution: 800 x 600, 1,024 x 768, 1,280 x 1,024, 1,280 x 720, 1,920 x 1,080 Output: 800 x 600, 1,024 x 768, 1,280 x 1,024, 1,280 x 720, 1,920 x 1,080
Dual Stream	1080p30 + 1080p5 (Optional); Dual 720p30
1080p HD Camera	Built-in camera
	Video output pixels: 1080p50/60
	Lens: 2-megapixel and 1/3-inch CMOS imaging chip
	Zoom: 12x optical
	Number of preset positions: 30
	Maximum horizontal angle: 72 degrees horizontal field of view
	Panning/Tilting angle: +/-30 degrees tilt, +/-100 degrees 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 : Video Motion Enhancement (VME)
	Picture-in-Picture : Video Intensifier
	Picture-outside-Picture : View Processing
Audio 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	Dual-stack IPv6 and IPv4 : Super Error Concealment (SEC), Intelligent Rate Control (IRC)
	IP Precedence, Diffserv : Automatic Repeat-reQuest (ARQ), Forward Error Correction (FEC), and PLC
	Uniform Resource Identifier (URI) dialing
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, and SNP
Bandwidth	
IP	64 kbit/s to 4 Mbit/s
Interfaces	
Audio Inputs	1 x 3.5 mm line-in jack, 1 x HD-AI (stereo, connects to microphone array)
Audio Outputs	1 x 3.5 mm line-out jack, 1 x HDMI
Video Inputs	1 x VGA, 1 x built-in camera
Video Outputs	1 x VGA/YPbPr, 1 x HDMI
USB Interfaces	1 x USB 2.0 Host
Network Interfaces	IP: 10/100 Base-T, 1 x RJ45
	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, and Indonesian
Embedded MCU (optional)	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	Voice Dialing in English and Chinese : HD SiteCall
	Installation from a USB disk, Plug-and-play : Lock content sharing
	Hybrid with IMS network : Web-based conference management
	Wi-Fi : Web-based image monitoring and cture snapshot
	Air content sharing : 16:9 and 4:3 mixed display
	Wireless MIC VPM220W access : PIP: 1/16 picture size, optional position
	Upside-down mounting : Split output: Bi-screen and tri-screen display
	LDAP/Network address book
	API for integration
Digital Caption	Caption banner, body text and information bar : Editable caption and auto zone adjustment
	Rolling display mode of the speech draft : Caption rolling mode setting
	Modifiable front background color, caption size and transparency : Site name display and position shift
	64 optional colors : 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	1080p30, Embedded MCU
Maintenance Management	
Maintain Methods	Remote control: 3D Effects and GUI Animation : Embedded Web server, GUI interface
	Endpoints Network Management: SNMP : Command line mode: Telnet/SSH
	Wireless touch panel (optional)
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 (L x W x H): 235 mm x 167 mm x 157 mm
	Package (L x W x H): 402 mm x 232 mm x 237 mm
	Net weight: 2.1 kg
	Package weight: 3.3 kg
Electrical	Working voltage: 100V to 240V AC, 12V DC : Working frequency: 50 Hz to 60 Hz
	Power consumption: 60W

Environmental Specifications	Operating Temperature: 0 degreesC to 40ºC : Non-Operating Humidity (non-condensing): 0% to 95%
	Operating Humidity: 10% to 80% : Peripheral noise: < 46 dBA SPL Lowest luminance: 7 lux
	Non-Operating Temperature: -40ºC to -70ºC : Recommended luminance: > 300 lux
Approval and Compliance	CE, RoHS, WEEE, REACH, UL, FCC, and CCC

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/02311KHA-Huawei-TE30-Videoconferencing-Endpoint-p-188982.php

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