ComX Computers
Product Specification Sheet

02310UMC

Huawei TE50 Videoconferencing Endpoint

Product Overview

Huawei TE50 Videoconferencing Endpoint (1080P60, remote control, cable assembly)



Specifications

Overview:

Experience "in-person" video conferencing thanks to dual-channel 1080p60 HD video and AAC-LD audio; a panoramic view is created from multiple camera feeds. TE series endpoints combine VME and H.264 HP to reduce bandwidth consumption by 50%. Key technologies such as intelligent face detection, frame rate doubling, and video enhancement ensure outstanding video communication. This advanced system provides numerous audiovisual ports and built-in Wi-Fi for easy connectivity, along with many other convenient features. TE endpoints are ideal for meetings, interviews, or distance learning.

Features:

- Built-in Wi-Fi connects to networks, presentation sources, microphones, and touch panels
- VME + HP dual-core technology delivers superb HD-video with half the bandwidth of competing systems
- Scalable Video Coding (SVC) and Huawei's patented Super Error Correction (SEC) 3.0 provide excellent network adaptability and security while ensuring audiovisual quality even when the packet loss rate reaches 20%
- Compatibility with a variety of protocols enables interoperability with Unified Communications (UC) systems, IP Multimedia Subsystems (IMSs), and other third-party systems

Specifications:

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Specifications	
Product Code	02310UMC
Standards & 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.722.1*, G.722.1C*, G.728, G.719, G.729, G.729A, AAC-LD, and HWA-LD
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	
Content Video Resolutions	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) @ 60/75/85 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, and 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, 1,600 x 1,200, and 1,920 x 1,200
	Output: 800 x 600, 1,024 x 768, 1,280 x 1,024, 1,280 x 720, 1,920 x 1,080, 1,600 x 1,200, and 1,920 x 1,200
Other Video Features	Intelligent Face Detection Picture-in-Picture, Picture-outside-Picture : Video Motion Enhancement (VME) Video Intensifier View Processing
Audio Specifications and Features	
Audio Features	Dual-channel AAC-LD Stereo : Acoustic Noise Suppression (ANS)
	HWA-LD Stereo: Huawei Audio Broadband Low Delay Stereo : Automatic Gain Control (AGC)
	Acoustic Echo Cancellation (AEC) : Voice Clear, Audio Enhancer
	Lip synchronization
Security and Stability	
Security	H.235 signaling and media stream encryption : TLS and SRTP for SIP signaling and media stream encryption
	AES media stream encryption, dual-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
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), PLC
	Uniform Resource Identifier (URI) dialing
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

Special Features	Voice Dialing in English and Chinese : SiteCall (HD dual-stream)
	USB auto data configuration : Web-based conference management
	VGA bypass : Web-based image monitoring and HD picture snapshot
	Wireless Wi-Fi access : 16:9 and 4:3 mixed display
	Air content sharing : Picture-in-picture: 1/16 picture size, optional position
	Connect to two Omni-array Microphones (VPM220) : Split output: Bi-screen and tri-screen display
	Wireless MIC VPM220W access : LDAP/Network address book
	Hybrid with IMS network : API for integration
	Lock Site/Conference
Digital Caption	Caption banner, body text and information bar : 64 optional colors
	Rolling display mode of the speech draft : Editable caption and auto zone adjustment
	Modifiable front background color, caption size, and transparency : Caption rolling mode setting
	Site name display and position shift
	Text input through remote control
	External character generator
	Powerful caption SMS function
Maintenance Management	
Maintenance Methods	Remote control: 3D Effects & GUI Animation
	Command line mode: Telnet/SSH
	Endpoints Network Management: SNMP
	Embedded Web server, GUI interface
	Wireless touch panel (optional)
Maintenance Functions	Endpoint IP and number are displayed on the front panel : Event log record, query, and display, and export query results
	Auto sleep, wake-up by remote control or remote module : IP network test, default settings restoration
	Local and remote loopback : Test signals: Providing sound test and standard test stripes
Physical Characteristics	
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
	Non-Operating Temperature: -40ºC to -85ºC : Lowest luminance: 7 lux
	Recommended luminance: > 300 lux
Approval and Compliance	CE, RoHS, WEEE, REACH, UL, CCC, FCC, VCCI, and C-Tick
Scenarios	Large- and middle-sized conference rooms

People Video Resolution	1080p60 from 1 Mbit/s (optional)
	1080p30 from 512 kbit/s
	1080i60 from 512 kbit/s
	720p50/60 from 512 kbit/s
	720p25/30 from 384 kbit/s
Dual stream	Dual 1080p60 (optional); Dual 1080p30
Video Inputs	1 x HD-VI/DVI, 1 x HDMI/DVI, 1 x VGA/YPbPr, 1 x 3G-SDI, and 1 x CVBS
Video Outputs	2 x HDMI/DVI, 1 x VGA/YPbPr, 1 x 3G-SDI, 1 x CVBS
Audio Inputs	1 x XLR, 2 x RCA, 1 x 3.5mm, 1 x HDMI, and 1 x HD-AI (Mic Array/Audio external)
Audio Outputs	4 x RCA, 2 x HDMI
Other Interfaces	IP: 10/100/1, 000 Base-T, 2 x RJ45; PSTN(#): 1 x RJ11
	Wireless: Built-in Wi-Fi; 2 x RS232 COM, 2 x USB 2.0 Host
Multi-view	3-view
Bandwidth	IP: 64 kbit/s to 8 Mbit/s
Dimensions	Codec: 435 mm x 265.5 mm x 72.5 mm
	Package: 545 mm x 355 mm x 220 mm
	Net weight: 4.1 kg
	Package weight: 6.0 kg
Electrical	Working voltage: 100V to 240V AC
	Working frequency: 50 Hz to 60 Hz
	Power consumption: 60W
	Embedded AC/DC power module

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/02310UMC-Huawei-TE50-Videoconferencing-Endpoint-p-189003.php

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