



HUAWEI VP9050

Executive Desktop HD Videoconference Endpoint



HUAWEI VP9050 is a high-end desktop high definition videoconferencing endpoint, with 4-site embedded MCU(Optional). It is integrated with the full HD(1080p) digital camera, high-fidelity (Hi-Fi) sound box, HD microphone and 21.5-inch widescreen LCD touch screen. With an elegant and sleek design, it will surely provide you unprecedented audiovisual experience.

Superb HD Video, Audio quality and Content sharing experience

Superb Video Quality

HUAWEI VP9050 uses Huawei proprietary technologies, such as VideoIntensifier and ViewProcessing. In addition to the latest H.263 and H.264 coding and decoding technology, HUAWEI VP9050 supports H.264 720P/1080p HD video format and 64Kbps~4Mbps conference access rate, which provides extraordinary video quality experience.

Superior audio effect

With two built-in microphones and stereo sound boxes, HUAWEI VP9050 supports AAC-LD broadband audio and provides you high-fidelity (Hi-Fi) stereo audio experience, which is further enhanced by the most advanced technologies, such as acoustic echo cancellation (AEC), automatic gain control (AGC), acoustic noise suppression (ANS).

High definition content sharing

HUAWEI VP9050 supports standard H.239 protocol, and enables video and conference contents sent and received simultaneously, such as PPT, WORD, Flash, Living videos, etc, which makes collaboration more conveniently.

Elegant Design, Easy operation and multi-function

With a stylish design and dark-hued color scheme, HUAWEI VP9050 is visually appealing, which demonstrates a vivid hi-tech yet graceful style, making a perfect fit for high-end executive offices. You will love it.

With a re-designed and trendy touch screen GUI (Graphical User Interface), HUAWEI VP9050 enables users to operate easily and efficiently, which helps Huawei stay ahead of competition.

Besides serving as a videoconferencing endpoint, HUAWEI VP9050 can be used as a PC monitor. It provides multiple picture layouts, such as full screen, picture-in-picture and picture-outside-picture. HUAWEI VP9050 can automatically adapt to the display device according to the video resolution to meet your different kinds of requirements.

QoS and Secure videoconferencing

IP technology is evolving, but there are always times that the live video quality is undermined due to QoS issues. With Huawei SEC (super error concealment) and IRC (intelligent rate control) technology, HUAWEI VP9050 is able to keep producing good video quality even if there are significant packet loss, latency and jitter over the network.

In addition, HUAWEI VP9050 also adopts standard -based H.235 and AES encryption techniques to ensure that your videoconference call is well protected from malicious hacking and sniffing. The device configuration and setup is locked by admin password to avoid any misplay.

HUAWEI VP9050 Specification

Models

- HUAWEI VP9050-720p
- HUAWEI VP9050-1080p

Embedded MCU(Optional)

- Up to 4 HD/SD 720P video endpoints + 3 voice terminals to join the conference
- The embedded MCU supports CP, voice activation, camera control, and chairman token
- Two lever cascading
- Mixed H.323 and SIP

Video Standard & Protocols

- H.264, H.263, H.263+, H.263++, H.261
- ITU-T H.239
- VME (Video Motion Enhancement)

People Video Resolution

- 1080p 30fps from 1Mbps (VP9050-1080p)
- 720p 60fps from 768Kbps (VP9050-1080p)
- 720p 30fps from 512Kbps
- 4SIF/4CIF from 256Kbps
- SIF/CIF from 128Kbps
- SQCIF/QSIF /QCIF from 64Kbps
- ViewPoint 9050-720p can be updated to ViewPoint 9050-1080p by License
- VideoIntensifier
- ViewProcessing

Camera

- Embedded High Quality CMOS Camera
- Video Capture Resolution: 1080p
- Automatic Exposure (AE), Automatic White

Balance (AWB)

- Manual Picture Parameters Control
- Rotatable
- Private Protection Switch

Display

- 21.5 Inch 16:9 LCD
- Resolution: 1080p
- Luminance: >200cd/m²
- Response Time: <5ms
- View Angle:
 - Horizontal: 70 degree
 - Vertical: 65 degree
- Contrast: 700
- Luminance, Contrast Control, Rotatable
- Support External Source Input

Sound System

- 2*Embedded Mics, Support External Mics
- 2*Embedded Stereo Loudspeakers

Content Video Resolution

- Input:
 - DVI-I/VGA interface: VGA(640x480) 60/75/85fps, SVGA(800x600) 60/75/85fps, XGA(1024x768) 60/75/85fps, WXGA(1280x768) 60fps, WXGA(1280x800) 60fps, SXGA(1280x1024) 60fps, 1366x768 60fps, 1440x900 60fps, XGA+(1400x1050) 60fps, 720p 50fps(DVI-I), 720p 60fps, 1080i 50/60fps(DVI-I), 1080p 25/30fps(DVI-I)
 - HDMI/YPbPr interface: 720p 50/60fps, 1080i 50/60fps, 1080p 25/30fps
- Coding/Decoding resolution: 800*600, 1024*768, 1280*1024, 1280*720
- Output: 800*600, 1024*768, 1280*1024, 1280*720

Audio Standard & Protocols

- AAC-LD Stereo, G.722, G.722.1*, G.722.1C*, G.711, G.728, G.729A
- HWA-LD Stereo: Huawei Audio

Broadband Low Delay Stereo

- Acoustic Echo Cancellation (AEC)
- Acoustic Noise Suppression (ANS) 12 dB
- Automatic Gain Control (AGC) \pm 6 dB
- VoiceClear
- AudioEnhancer
- Audio-Lip Synchronization

Other ITU-Supported 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

- Communication Standards: ITU-T H.323, IETF SIP
- Network Standards: TCP/IP, FTP, DHCP, SNMP, Telnet, HTTP, HTTPS, PPPoE, RTP, RTCP
- Interface:
 - 1-port IP, 10/100 Base-T, 2*RJ45 connectors
 - 1-USB port to access wireless network (WCDMA, CDMA2000 EV-DO) by HUAWEI dongle
- Bandwidth
 - IP: 64kbps ~ 4Mbps
 - IP: Total 8Mbps (available: Supports up to 4 HD video endpoints + 3 voice terminals to join the conference)

Interface

- Audio Input Interfaces
 - 1*3.5mm line in jack
 - 1*3.5mm mic jack
- Audio Output Interfaces
 - 1*3.5mm earphone jack
 - 1*3.5mm lineout jack
- Video Input Interface
 - 1*DVI-I/YPbPr/VGA
- Video Output Interface
 - 1*DVI-I/YPbPr/VGA
- 1*USB ports

Security

- H.235 signaling and media stream encryption
- AES media stream encryption
- Conference access password
- Conference control password
- Administrator password
- H.323 ID and number binding
- IP address and number binding

Language

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

Special Features

- Screen Touch and Remote Control
- Integration with Microsoft OCS/Lync
- Hybrid with IMS Network
- Site Call, Content Locking
- Domain Name/Email Registration & Call
- Content Locking
- Web Image Monitor, 1080p(optional)/ 720p Picture Capture
- Automatic Adjustment for Active Content and Picture

- HD Desktop Display/Active Image
- 16:9 and 4:3 Automatic Adaption
- Picture-in-picture, Bi-screen and tri-screen split display
- Function Icon, Power On Picture/ Music
- Group Function/Address book Import and Export, LDAP, Network Address book
- API for integration
- Intelligent rate control (IRC)
- Super error concealment (SEC)
- Loss Packet Retransmission
- SNP/H.460/Static NAT traversal between the public network and private network
- Digital Caption
- Active Caption, Automatic Adjustment
- What-you-see-is-what-you-get (WYSIWYG) caption editing
- Caption rolling mode setting
- Modifiable and optional front, background color and Alpha
- 16 optional colors
- Support T.140 Protocol

Maintenance Management

- Web Management
 - Embedded Web server, Support IE 6.0/7.0/FireFox 2.x
 - Multi-user Access Control
 - Address Book Management
 - Terminal Network Management
 - Calling Record
 - Fault Diagnosis
- Terminal Network Management: SNMP
- Telnet: command line mode; providing user level and administrator-level login accounts
- Remote Control: GUI interface
- Local and remote loopback
- Test signals: providing test sound and standard test stripes
- Local and remote software upgrades
- IP Network Diagnosis: PING, Packet Loss, Delay, Jitter/Fire Wall Ports Detection
- Volume Input Indication
- Network Packet Loss Indication
- Event Log Record
- Configuration Import/Export
- Factory Default Setting Restoring
- Automatic Sleep Mode
- Power/Working Indicating LED
- Electrical
 - Working voltage: 100-240V AC
 - Working frequency: 50-60Hz
 - Power consumption: 100W

Environmental Specification

- Operating Temperature: 0-40°C
- Operating Humidity: 10-80% Non-Operating
- Temperature: -40°-85°C
- Non-Operating Humidity (Non-condensing): 0-95%
- Peripheral noise: < 46 dBA SPL
- Lowest illuminance: 15 lux
- Recommended illuminance: > 300 lux

Physical Characteristics

- CodecDimensions(LxWxH): 542mmx114mmx490mm
- Package Dimensions(LxWxH):685mmx269mmx685mm
- Weight: 8.2 kg

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