



HUAWEI VP9036S-M

Excellent HD video communications with 4-site embedded MCU.



HUAWEI VP9036S-M is bringing multi-site, excellent HD video communication and content sharing experience for your working group.

In today's fast-paced global economy, business is being made between companies and partners distributed around the world, day and night. It is obvious that he who is acting fast upon the market demand will win the game.

HUAWEI VP9036S-M brings people together in a best ever virtual meeting experience, immediately and enjoyably. Synergy between people creates value, reduces cost and helps you stay ahead of competition.

With a re-designed and trendy remote control GUI(Graphical User Interface), HUAWEI VP9036S-M enables users to operate easily and efficiently, which helps Huawei stay ahead of competition. You will love it.

HD video is nice, but sound effect is more essential during a conference call. By employing AAC-LD, HWA-LD and other standard-based wide band audio technology, HUAWEI VP9036S-M can deliver best of the breed sound experience to make people feel being there.

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 VP9036S-M is able to keep producing good video quality even if there are significant packet loss, latency and jitter over the network.

Worrying about security of your videoconference call? HUAWEI VP9036S-M 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.


To facilitate system integration, HUAWEI VP9036S-M is rack-mountable and equipped with multiple video and audio connections, making it an ideal choice for system integrators

HUAWEI VP9036S-M Key Features

Video Quality High Definition Standard-based
1920x1080- 60fps
1280x720- 60fps

Content Quality SXGA: 1920x1080

HD Monitors 

HD Cameras Pan-Tilt-Zoom (PTZ) 

HD Audio 

External Audio, Video Input/Output Audio: 5 in,4 out
Video: 3 in,3 out

Point-to-Point HD video Communications 

Embedded Continuous Presence HD Multipoint 

HUAWEI VP9036S-M Specifications

Models

- HUAWEI VP9036S-M

Embedded MCU

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

Video Standards & Protocols

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

People Video Resolution

- 1080p 50/60fps from 2Mbps
- 1080p 30fps from 1Mbps
- 1080i 50/60fps from 1Mbps
- 720p 50/60fps from 768Kbps
- 720p 30fps from 512Kbps
- 4SIF/4CIF from 256Kbps
- SIF/CIF from 128Kbps
- SQCIF/QSIF /QCIF from 64Kbps
- VideoIntensifier
- ViewProcessing

Content Video Resolution

- Input:
 - DVI-I/VGA interface: VGA(640×480) 60/75/85fps, SVGA(800×600) 60/75/85fps, XGA(1024×768) 60/75/85fps, WXGA(1280×768) 60fps, WXGA(1280×800) 60fps, SXGA(1280×1024) 60fps, 1366×768 60fps, 1440×900 60fps, XGA+(1400×1050) 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, 1920*1080
- Output: 800*600, 1024*768, 1280*1024, 1280*720, 1920*1080
- Support for dual Live stream mode:
 - 1080p(30fps) and 1080p(30fps)

Audio Standards & 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) ±6 dB
- VoiceClear
- AudioEnhancer

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/H.320, IETF SIP
- Network standards: TCP/IP, FTP, DHCP, SNMP, Telnet, HTTP, PPPoE, RTP, RTCP

- Interface
 - 2-port IP, 10/100 Base-T, RJ45 connectors
 - 1-port E1 (Optional) (H.320), RJ45 connector
 - 4-port 4E1 (Optional) (G.703, G.704), RJ45 connectors
 - 2-USB ports to access wireless network (WCDMA, CDMA2000 EV-DO) by HUAWEI dongle
- Bandwidth
 - IP : 64 Kbps~4 Mbps
 - IP: Total 8Mbps (VP 9036S-M available: Supports up to 4 HD video endpoints + 3 voice terminals to join the conference)
 - E1: 64 Kbps~2 Mbps
 - 4E1: 64 Kbps~4 Mbps

Interfaces

- Camera control interface: 2xRS232/422
- Video Input Interfaces
 - 2xDVI-I/YPbPr/VGA
 - 1xS-video/CVBS
- Video Output Interfaces
 - 2xDVI-I/YPbPr/VGA
 - 1xS-video/CVBS
- Audio Input Interfaces
 - 2xXLR (Connects to analog microphone)
 - 2xRCA (Connects to tuning console or VCR)
 - 1xRJ45 (Connects to microphone array)
- Audio Output Interfaces
 - 2xRCA (Stereo audio output: Connects to video recorder)
 - 2xRCA (Connects to the audio input interface on TV set)

User Interface

- Languages: Simplified Chinese, Traditional Chinese, English, German, Spanish, French, Norwegian, Italian, Polish, Russian, Portuguese, Hungarian, Finnish, Romanian, Czech, Swedish, Arabic, Turkish, Greek
- Control mode: Remote control, Telnet, Web, Wireless Touch panel (Optional)

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

Digital Caption

- Caption banner, body text and information bar
- Rolling display mode of the speech draft
- What-you-see-is-what-you-get (WYSIWYG) caption editing
- 32 bits true-color palette
- Modifiable and optional front background color
- Modifiable caption size and transparency
- Caption rolling mode setting
- Site name display and position shift
- Text input by using the remote control
- External character generator

- Powerful caption SMS function enhances the communications among sites and facilitates your use.

Special Features

- Integration with Microsoft OCS/Lync
- Hybrid with IMS Network
- Power-on picture
- Picture-in-picture: 1/16 picture size, optional position
- 16:9 and 4:3 mixed display
- Split output: Bi-screen and tri-screen display
- Active caption
- Group function
- SiteCall (HD dual stream)
- Call record
- Network address book
- SNP traversal between the public network and private network
- Intelligent rate control (IRC)
- Super error concealment (SEC)
- LDAP
- API for integration

Maintenance Management

- Local and remote loopback
- Test signals: providing test sound and standard test stripes
- Volume input indication
- IP network test
- Telnet: command line mode; providing user-level and administrator-level login accounts
- Local and remote software upgrades
- WebServer, Web maintenance management
- Event log record
- Default settings restoration

Approval and Compliance

- CE
- RoHS

Electrical

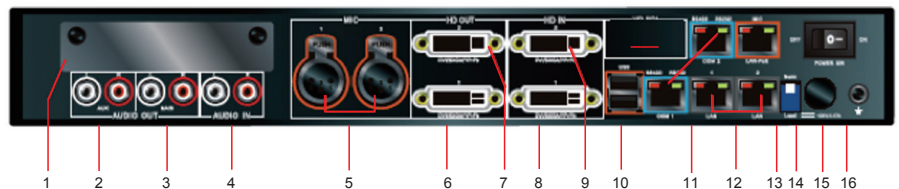
- Working voltage: 100~240V AC
- Working frequency: 50~60Hz
- Power consumption: 100W

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

- Codec Dimensions (L×W×H): 422mm×225 mm×60.5 mm
- Package Dimensions (L×W×H): 485mm×278mm×178mm
- Weight: 4 kg



1	Interface board slot	7	HD output 2 (DVI/SXGA/YPbPr) & SD output 1 (S-video/CVBS)	13	Lan-PoE MIC array
2	Audio output Aux	8	HD input 1 (DVI/SXGA/YPbPr)	14	Update switch
3	Audio output main	9	HD input 2 (DVI/SXGA/YPbPr) & SD input 1 (S-video/CVBS)	15	Power input
4	Audio input RCA	10	USB	16	Power Switch
5	Balanced audio input	11	Serial RS-232/RS-422		
6	HD output 1 (DVI/SXGA/YPbPr)	12	Ethernet port 1 & 2		

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