

HUAWEI VP9630 VP9650 VP9660



HUAWEI VP9600 series is a cutting-edge MCU with high-capacity, high cost-effectiveness, flexible ports utilization and high scalability. It is an industry-leading MCU to support up to 4K universal transcoding. Interoperability with various types of endpoints intelligently, VP9600 delivers users an ultimate videoconferencing experience

High performance and universal transcoding bring an ultimate experience

The industry-leading MCU supporting 4K(3840×2160) universal transcoding provides an ultimate videoconferencing experience for participants
H.265 and H.264 High Profile saves bandwidth by 50%
AAC-LD realizes CD-quality audio effect and three-channel brings sound localization
Intelligent transcoding for content sharing across different types of devices

High capacity, Standard-based, Scalable

Smooth scalable, high capacity
Support multilevel cascading, multichannel cascading and conference recording
Standard-based and open: Supports H.323,SIP and convergence conference of Telepresence, HD/SD endpoints, mobile devices and audio endpoints
Maximize resource utilization and improves ROI by flexible resource allocation

Easy to Deploy and Use

Multiple Methods for conference initiation, such as HUAWEI SiteCall™, Ad hoc, and web-based scheduling
Plenty of conference control functions, including Automatic Continuous Presence, Voice Activation, Chair control , DTMF Control, Audio/Video IVR, H.239 Content Sharing Token, and FECC

Secure, Reliable and Powerful QoS

H.264 SVC and SEC 3.0 ensure smooth videoconferences even if the packet loss is up to 20%
Dynamic jitter buffer up to 1000 ms ensures conference quality
IRC™ provides the best conference experience with low network bandwidth
Ensure conference data security via H.235 (AES256), SRTP/TLS(AES256), HTTPS and SSH
Multi-level hot spare

HUAWEI VP9630 VP9650 VP9660 Specifications

	VP9630	VP9650	VP9660
Capacity	<ul style="list-style-type: none"> Flexible ports Up to 4 H.265 4K ports in CP or 16 H.264 1080p60 ports in CP or 32 H.264 1080p30 ports in CP or 64 H.264 720p30 ports in CP	<ul style="list-style-type: none"> Flexible ports Up to 12 H.265 4K ports in CP or 48 H.264 1080p60 ports in CP or 96 H.264 1080p30 ports in CP or 192 H.264 720p30 ports in CP <ul style="list-style-type: none"> VOIP ports Quantity same as that of 1080p30 ports <ul style="list-style-type: none"> RSE-M Up to 30 way 1080P60 recordings Up to 10 way 720P live streams Up to 2,000 viewers @ 256 Kbps 2T capacity (1T+1T hot backup)	<ul style="list-style-type: none"> Flexible ports Up to 32 H.265 4K ports in CP or 128 H.264 1080p60 ports in CP or 256 H.264 1080p30 ports in CP or 512 H.264 720p30 ports in CP <ul style="list-style-type: none"> VOIP ports Quantity same as that of 1080p30 ports <ul style="list-style-type: none"> RSE-M Up to 30 way 1080P60 recordings Up to 10 way 720P live streams Up to 2,000 viewers @ 256 Kbps 2T capacity (1T+1T hot backup)
Dimension	Net Dimension: 442mm(W) × 450mm(D) × 86.1mm(H), 2U Package Dimension: 780mm(W) × 580mm(D) × 260mm(H), 2U	Net Dimension: 436mm(W) × 420mm(D) × 219.5mm(H), 5U Package Dimension: 720mm(W) × 720mm(D) × 470mm(H), 5U	Net Dimension: 436mm(W) × 420mm(D) × 886.2mm(H), 20U Package Dimension: 720mm(W) × 720mm(D) × 1125mm(H), 20U
Weight	Net weight: 16 kg Package Weight: 22 kg	Net weight: 21 kg Package Weight: 45 kg	Net weight: 58 kg Package Weight: 107 kg
Power	AC input: 100 ~ 240V 50/60HZ Max power consumption: 400W	AC input: 100 ~ 240V 50/60HZ DC input: -48 ~ -60V Max power consumption: 1100W	AC input: 100 ~ 240V 50/60HZ DC input: -48 ~ -60V Max power consumption: 3000W
Hot spare	MCU, power, network interface, chipset	MCU, power, media board, network interface, chipset	MCU, power, control board, media board, network interface, chipset

Video Standards and Protocols

ITU H.265, H.264, H.264 HP, H.264 SVC, H.263, H.263+, H.263++
 ITU-T H.239, BFCP

People Video Resolution

Resolution: QCIF, CIF, 4CIF, 288p, 360p, 720p, 1080p, 4K
 Video Frame Rate: 25fps, 30fps, 50fps, 60fps
 16:9 and 4:3 aspect ratio

Content Video Resolution

Coding/Decoding resolution: QCIF, QVGA, CIF, VGA, 4CIF, SVGA(800x600), XGA(1024x768), SXGA+(1600x1200), 288P(512x288), 360P(640x360), 396P(704x400), 720P, 1080P, 4K(3840x2160)
 Decoding resolution: WXGA, SXGA, XGA+, 1920x1200
 Content adaptation

Audio Standards and Protocols

AAC-LD, AAC-LC, G.722.1*, G.722.1C*, G.711a/u, G.722, G.728, G.729A, G.729AB, G.719, iLBC, Opus
 Three-channel Stereo

Other Supported Standards

H.221, H.225, H.235, H.242, H.243, H.245, H.281, H.283, FECC, RFC2833, DTMF, SRTP, TLS, T.140, NTP

Network

Standards and protocols: ITU-T H.323, IETF SIP
 Network standards: IPv6/IPv4, TCP/IP, FTP/FTPS, RTP, RTCP, HTTP/HTTPS, SNMP, TELNET, SSH, DNS/DDNS
 Bandwidth for one port: 64Kbps~8Mbps
 Network Interfaces:

- GE, 1000 Mb, RJ45
- FE, 100 Mb, RJ45
- RS232, RJ45
- SFP, Gigabit optical fiber interface

 Line Types: IP

Management Tools

Support SSH
 Remote upgrade
 Resource statistic
 Hardware diagnosis
 Support CDR (Call Detail Record)
 Data export and import
 Support Conference configuration template
 Status monitor

IP QoS

DiffServ (DSCP), IP Precedence, ARQ
 SEC™3.0 (Super Error Concealment)
 IRC™ (Adaptability Intelligent Rate Control)
 Auto adaptation enabling
 Priority settings of QoS

Security

Conference password
 HTTPS ensures the safety for Web accessing
 H.235 (AES256) and SRTP/TLS(AES256) encryption

Approval and Compliance

CE, WEEE, RoHS, REACH, FCC, UL, VCCI-A, GOST, C-TICK

Operating Environment

Operating temperature: -5°C ~ 45°C
 Relative humidity: 10% ~ 95% (Non-Condensing)
 Air pressure: 63 ~ 106KPa
 Reliability MTBF: >100,000 hours
 MTTR: < 0.5 hour

Highlights

Universal transcoding for Telepresence
 CP on each port, Up to 24 CP
 Auto Continuous Presence
 Flexible ports
 48 modes of Continuous Presence
 Up to 5-level multichannel cascading
 Ad hoc and Audio/Video IVR
 HUAWEI SiteCall™
 Schedule conferences via Web and Outlook
 Email notification
 URI dialing
 Plenty of conference control functions
 Chair control
 Endpoint control via DTMF
 Message overlay
 Mute video
 Support camera control
 Support content lock
 Support video source lock
 Intelligent negotiation: Best utilization of endpoint's ability
 IVR Language: English, French, German, Spanish, Russian, Japanese, Chinese
 Web UI Language: English, Chinese

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