# ViewPoint 9030

**Excellent HD video communications with 4-site embedded MCU(Optional), at an affordable cost.**

**ViewPoint 9030 is bringing multi-site, excellent HD video communication and content sharing experience to your conference room in an affordable and simple way.**

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.

ViewPoint 9030 brings people together in HD 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), ViewPoint 9030 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, ViewPoint 9030 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, ViewPoint 9030 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? ViewPoint 9030 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, ViewPoint 9030 is rack-mountable and equipped with multiple video and audio connections, making it an ideal choice for system integrators.

## ViewPoint 9030 Key Features

| | |
|---|---|
| Video Quality | High Definition Standard-based 1920x1080 – 30fps(Optional) 1280x720 – 60fps(Optional) 1280x720 – 30fps |
| Content Quality | SXGA: 1280x1024 |
| HD Monitors | |
| HD Cameras Pan-Tilt-Zoom (PTZ) | |
| HD Audio | |
| External Audio, Video Input/Output | Audio: 4 in,4 out Video: 2 in,2 out |
| Point-to-Point HD video Communications | P-P |

# ViewPoint 9030 Specifications

## Models
- ViewPoint 9030-720p
- ViewPoint 9030-1080p

## 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 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 30fps from 1Mbps (Optional)
- 720p 50/60fps from 768Kbps(Optional)
- 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
- Output: 800*600, 1024*768, 1280*1024, 1280*720
- Support for dual Live stream mode:
  - 720p(30fps) and 720p(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 (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: 2×RS232/422
- Video Input Interfaces
  - 2×DVI-I/YPbPr/VGA
- Video Output Interfaces
  - 2×DVI-I/YPbPr/VGA
- Audio Input Interfaces
  - 1×XLR (Connects to analog microphone)
  - 2×RCA (Stereo, connects to tuning console or VCR)
  - 1×RJ45 (Stereo, connects to microphone array )
- Audio Output Interfaces
  - 2×RCA (Stereo, connects to video recorder)
  - 2×RCA (Stereo, 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
- 16 optional colors
- 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
- Embedded Web server, GUI interface
- Indication for network package loss
- Event log record
- Default settings restoration

## Approval and Compliance
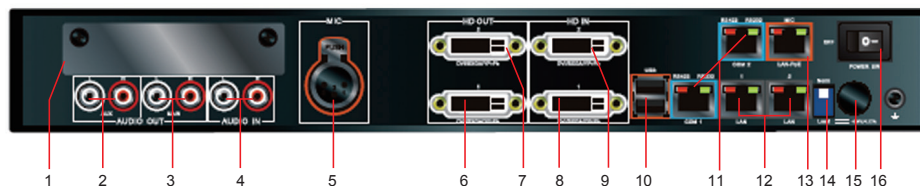- CE
- RoHS

## 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) | 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) | 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®