Polycom ViewStation 4000

Top quality, reliability, and functionality for video conferencing integration

Polycom VS4000 Highlights

**Designed for customization and integration** - The ultimate in performance, interfaces, and control for custom room integration

**The industry leader** - The most popular and widely deployed group video conferencing platform in the world

**Superior video quality** - With ITU standard, 60 fields per second, letterbox near TV-quality video, and Polycom Video Error Concealment (PVEC) designed to counter real-world network packet loss

**Clear 360-degree, full duplex digital audio** - With noise suppression, echo cancellation, and automatic gain control

**Maximum call flexibility** - Support MPPPlus conferences with up to 14 video and audio sites through the embedded M CU's when cascading (10 sites on any mix of IP or ISDN, plus four regular telephone connections)

**See presenter and live, high-resolution multimedia presentation** - People+Content™ displays video of the presenter along with live, high-resolution XGA PC graphics and sound between ViewStation FX, ViewStation 4000, iPower™, and MGC bridges

**Built-in automatic MPPPlus presentation modes** - Display modes automatically switch between presenter and continuous presence - like a live TV news show

**Security you can trust** - Independently verified and tested for secure use in corporate and classified environments

Polycom ViewStation 4000 is the highest performance, most feature-rich, rack-mountable group video conferencing system in the Polycom ViewStation product line. ViewStation 4000 delivers near TV-quality video and superior audio to meet the most demanding video communications needs for custom conference rooms, auditoriums, boardrooms, and classrooms.

Polycom video conferencing and collaboration systems provide advanced technology specifically designed for video conferencing, including superior audio pickup with 360-degree microphone that enables meeting participants to be heard from anywhere in the room. Polycom's interface is easy to use, with on-screen graphics, and easy to navigate with color-coded remote controls. Going beyond face-to-face meetings, laptops can be quickly connected to Polycom video systems with dedicated devices that make sharing content as easy as pushing a button. These high-quality Polycom systems are all part of The Polycom Office.

**High-quality video communications for The Polycom Office™**

With integrated video, voice, data, and Web capabilities, The Polycom Office is the only solution that offers you an easy way to connect, conference, and collaborate any way you want. It's our commitment to making distance communications as natural and interactive as being there. Work faster, smarter, and better with the ViewStation 4000 and The Polycom Office.
Polycom ViewStation 4000 Specifications

Polycom video conferencing and collaboration systems support Polycom network infrastructure and management systems. With the Polycom MGC, Polycom video systems can participate in large multipoint conferences. Polycom PathNavigator™, among many other features, enables the Polycom ViewStation 4000 to deliver high-quality video and integrated solutions for the Polycom Office.

Technical specifications

- ITU H.323 and H.320 compliant
- Cisco AVVID certified

The Polycom Office experience

- People+Content™ allows dual display of video and graphics
- Conference on Demand™ initiated unassisted H.263 calls from the endpoint
- Call Detail Records enables billing of calls and tracking with Global Management System
- Polycom Video Error Concealment (PVEC) for improved video
- Global M Management System for centralized management
- Global Directory Server for live global address book
- PathNavigator for easier call placement and network cost optimization
- MGC ClickView integration for individual screen lay outs

User interface

- User-friendly graphical user interface that is easy to read from a distance
- Handheld, ergonomic remote control
- Four way menu top on home screen with speed dial numbers
- Web interface (Internet Explorer 5.5 & 6.0; Netscape Navigator 6.0 & 6.1)

Bandwidth

- Max Data Rate H.320: up to 2 Mbps
- Max Video Data Rate H.263: up to 2 Mbps

Video standards

- H.263 Annex D
- H.261, Annex D
- Max Data Rate H.320: up to 2 Mbps

Video features

- 4 x input/output simultaneously display full-screen video from up to 4 endpoints plus PC content on a separate XGA projector
- 4 x RCA/Phono composite recording of all endpoints based on the person who is talking
- Automatic Picture-in-Picture (PIP)

Video inputs (7 Inputs)

- 1 x HDMI (S) Video (main camera with PTZ control)
- 1 x HDMI (S) Video (second camera with PTZ control)
- 1 x RCA/Phono composite (document camera)
- 1 x RCA/Phono composite (second camera with PTZ control)

Video outputs (10 Outputs)

- 4 x HDMI (S) Video (Support for 4 independent monitors)
- 4 x RCA/Phono composite (Support for 4 independent monitors)
- 1 x RCA/Phono composite (VCR)
- 1 x XGA (projector)

Video formats

- NTSC, PAL, XGA, SVGA, VGA

Optional Polycom PowerCam external camera

- Internal microphone
- IR (IR) remote control
- 1 x RJ-9 (data communications port)
- 3.4 kHz with G.711, G.728

Optional Video Inputs (3 Inputs)

- 1 x POTS for voice
- 2 independent 10/100 Ethernet ports for IP (LAN, DSL, cable modem)
- Integrated Ethernet switch
- 1 x POTS for voice

Network interfaces supported

- 2 independent 10/100 Ethernet ports for IP (LAN, DSL, cable modem)
- Integrated Ethernet switch
- 1 x POTS for voice

- Optional Dual BRI (Basic Rate Interface)
- Optional ISDN (Primary Rate Interface) E1
- Optional 2 Port Small Module (633-KS-530)-RS-449
- Optional wireless LAN support via Ethernet port

Audio features

- Instant Adaptation Echo Cancellation
- Automatic Gain Control (AGC) – voice activated
- Automatic Noise Suppression (ANS)
- Built-in nuance speaker test
- Audio level meter
- Audio mixer
- Telephone POTS support
- Ability to connect to external audio
- Digital belt-pack microphone
- Microphone, unidirectional performance
- Automatic microphone
- Gated mixer built into microphone
- 3 hyper-cardioid microphones in each microphone pod
- Button on each microphone pod
- Includes 2 microphones pods
- Can be mounted to ceiling or table

Audio inputs (4 inputs)

- BJ-9 to microphone (easy chain up to 2 microphone pods)
- RCA / Phone line with MIC (辅机)
- 1 x RCA / Phone line in (VCR)

Audio outputs (4 outputs)

- 1 x RCA / Phone line out (VCR)
- 2 x RCA / Phone line in (VCR)

Frame rates (point-to-point)

- 15 fps – 30 fps
- Interleaved selects frame rate for best video performance
- Native video quality 60/50 fields video for NTSC/PAL at 312 Kbps and above

Embedded M+PLUS

- Supports mixed combinations of IP, ISDN, and analog telephone calls
- Supports IP telephones
- Supports normal analog telephones
- Parallel ISDN and ISDN ISDN data communication
- Continues video communications between presenter and continuous presence modes
- Chair control from endpoints or host system on ISDN
- Embedded M+PLUS Presentation modes to automatically switch between presentation and non presentation modes
- Frame rate control between endpoints or host system on ISDN
- Embedded M+PLUS for S sites (4 ISDN sites + 1 POTS audio)
- Cascade up to 14 sites (10 ISDN sites + 4 POTS audio)
- Expanded network cascading
- Password protected
- Supports People+Content dual streams from any endpoint (not just host site)

Network features

- Automatic H.320 call 323 calling
- Downstreaming over IP and ISDN
- OneDial intelligent call management attempts call on preferred network (IP or ISDN) and automatically rolls over to secondary network if needed
- Mimum call length timer
- Auto SPI detected, auto SPI, autodetected
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- OneDial, and Visual Concert are trademarks of Polycom, Inc. in the U.S. and other countries
- Global Management System™, and the Global Address Book
- Unlimited M+PLUS entries
- Live address book with Polycom Global Address Book automatically and quickly updates directory with address changes or new endpoints
- Live address book with Polycom Global Address Book automatically and quickly removes endpoints from directory if they are turned off
- Polycom Global Address Book integrates with Active Directory®, LDAP
- Polycom Global Management System™, and the Global Address Book
- Polycom Video Error Concealment (PVEC) for concealing packet loss
- Complete support for The Polycom Office including:
- OneDial, and Visual Concert are trademarks of Polycom, Inc. in the U.S. and other countries
- Polycom Global Management System
- Polycom Global Management System™, and the Global Address Book
- Polycom Office
- Polycom OneDial
- Polycom PathNavigator

Other ITU supported standards

- 1122 communication standards
- Bonding, mode 1
- H.235 encryption
- H.225, H.245
- Annex Q standard for FECC in H.233 calls

Data port

- RS-232 control port/data communications port (1200 baud to 115k baud)
- IEEE 1284 parallel port
- API for custom integration with remote devices such as Crestron™ and AMX™ control systems

Electrical

- Auto-dialer power supply
- Operating voltage/power 90-260 VAC, 47-63 Hz/40 watts

Environmental specifications

- Operating temperature: 23°C ± 5°C, 0-100% non-condensing, non-operating temperature: 0° to 40°C
- Nonoperating humidity (noncondensing): 10% to 90%

Physical characteristics

- Dimensions: 28.8 cm x 8.8 cm x 46.7 cm
- Base Unit Weight: 6.7 kg (14 lbs)
- Weight: 4.7 kg/10 lbs

Language support

- English, French, German, Italian, Japenese, Norwegian, Portuguese, Spanish

Warranty

- Three years parts and labor

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Specifications subject to change without notice.

Cisco Compatible