Polycom® ViewStation® SP

Video communications for small offices and home offices

Benefits

High-quality video – Delivers clear video images up to 768 Kbps over IP and 128 Kbps over ISDN

Easy to use – Simple installation and set up with intuitive graphical user interface that's very easy to learn, especially for beginners

Broad communications – Strict support for audio and video standards ensures industry-wide interoperability

Embedded Web capabilities – Remote system management, diagnostics and control – all via the Web

With Polycom's ViewStation SP, business quality, standards-based video communication is within your reach.

Strict adherence to advanced industry standards for audio and video ensures that the ViewStation SP will interoperate with other standards-based systems industry wide. The SP delivers business quality video up to 30 frames per second, and Polycom's market leading audio technology means you will enjoy sound clarity that is just like being there.

The ViewStation SP supports IP-based video conferencing up to 768 Kbps and calls over ISDN up to 128 Kbps. For calls over IP (H.323), the iPriority™ QoS architecture enhances network and traffic management, packet and jitter control and passive asymmetric speed control enabling more effective communication over broadband networks. The unique system management architecture allows on screen diagnostics, software upgrades and secure system access anytime, anywhere via the Web user interface.

The business quality of the ViewStation SP. The power of Polycom conferencing and collaboration solutions.

With integrated video, voice, data, and Web capabilities, only Polycom solutions let you 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 more efficiently with the Polycom ViewStation SP and other Polycom conferencing and collaboration solutions.

HOWARD™
TECHNOLOGY SOLUTIONS

For more information visit www.Howard.com or call us at 888.912.3151

VideoVoiceData

Connect. Any Way You Want.

Polycom ViewStation SP Specifications

User Interface
- User-friendly graphical interface
- Customizable home screen
- Custom logo on main screen
- Administrator controlled speed dial numbers accessible from custom logo
- Kiosk mode for custom applications
- Speed Dial List
- Alert Signal on home page
- Keypad audio dialing confirmation
- Do Not Disturb (On/Off)
- Web interface
- Picture-in-Picture (PIP) On/Off, Automatic

Remote Control
- Enhanced, grip-sensitive remote control
- Quick buttons for most common tasks
- Color-coded buttons grouped by functionality

Video Features
- Intelligently selects frame rate and video algorithm for best performance video: Up to 30 fps
- Automatic Picture-in-Picture (PIP)
- See graphics content and far video on a single monitor
- MGC™ Click & View™ for individual screen layouts in MGC bridge calls

Video Standards & Annexes
- H.261: D
- H.263+: F, I, T
- H.263++

Video Inputs: Main camera + 1 Connector
- 1 x S-Video; 4-pin mini DIN (Document camera or VCR)

Video Outputs: 2 Connectors
- 1 x S-Video; 4-pin mini DIN (Main monitor)
- 1 x Composite; RCA/Phono (Main monitor)

Video Formats
- NTSC / PAL

Video Resolution
- 4CIF (704 x 576)
- CIF (352 x 288)
- QCIF (176 x 144)
- SQCIF (128 x 96)
- Display aspect ratios: 4:3

Main Camera
- Ultra-quiet, ultra-fast action pan/tilt/zoom (PTZ)
- Tilt Range: +/- 25° (Up/Down)
- Pan Range: +/- 100° (Left/Right)
- Zoom: 12x Zoom (10x optical & 1.2x digital); f=4.2 to 42mm
- Horizontal field of view: 65°
- Total horizontal field of view: 265°
- Auto focus
- Automatic white balance
- Camera presets: 20
  - Local camera 10; Far-end camera 10
- Voice activated camera positioning to 10 presets

Audio Features
- Full-duplex audio
- Instant Adaptation Echo Cancellation
- Automatic Gain Control (AGC) – voice activated
- Automatic Noise Suppression (ANS)
- Built-in tonal speaker test
- Real-time audio level meter
- Audio mixer: Microphone and VCR
- Master volume control
- Ability to talk over VCR audio
- Headset support

Audio Protocols
- 7 kHz bandwidth with G.722 on IP/ISDN
- 3.4 kHz bandwidth with G.711, G.728 on IP/ISDN

Audio Inputs: 3 Connectors
- 1 x RJ-9 to microphone arrays
  - Includes one microphone array
  - Three total microphone elements
- 2 x RCA input for VCR (or mixer)
- Integrates with Polycom Vortex installed voice products

Audio Outputs: 3 Connectors
- 2 x RCA for main audio
- 1 x mini-phono to headset mic/speaker
- Integrates with Polycom Vortex installed voice products

Digital Tabletop Microphone Array
- 360 degree voice pick-up
- Cardioid elements per microphone array: 3
- Integrated mute button
- Can be mounted to ceiling or wall
- Number of microphone arrays in base unit: 1
- Maximum number of microphone arrays: 1

Other Collaboration Solutions
- PC Presents™ for Microsoft® PowerPoint®
- Polycom SNAP
- VisualConcert™ PC software
- T.120 Microsoft NetMeeting® support over ISDN calls

Content Resolutions
- Up to 4CIF with motion
- Up to 4CIF H.261 Annex D still images

Network Features
- Automatic IP/ISDN calling
- Polycom OneDial™ intelligent call management attempts call on preferred network (IP or ISDN) and automatically rolls over to secondary network if needed
- Downspeeding over IP and ISDN
- IP address conflict warning
- Maximum call length digital timer
- Auto SPID detection and configuration
- Software upgradeable Inverse Multiplexer (IMUX)
- PathNavigator™ support for easy call placement and network cost optimization
- TCP/IP, DNS, WINS, DHCP, ARP, HTTP, FTP, Telnet
- SNMP for enterprise management
- T120 interface for Microsoft NetMeeting
- Chair control from endpoints or host systems on IP and ISDN

Bandwidth
- Maximum Data Rate IP or Serial: Up to 768 kbps
- Maximum Data Rate ISDN: Up to 128 kbps

Network Interfaces Supported
- Ethernet port: Single (10/100 Mbps)
- ISDN BRI (Basic Rate Interface) support: Single BRI
- Wireless LAN support via Ethernet port*
  - Compliant with IEEE 802.11b or 802.11g
  - Support for 64-bit to128-bit encryption (WEP)
  - Infrastructure or ad hoc mode

Conference on Demand
- Initiates unscheduled MGC calls from the endpoint
- Utilizes Polycom Office™ (PathNavigator and MGC)
- Dials all participants simultaneously

Quality of Service and Experience – iPriority™
- IP Precedence (ToS)
- Dynamic Bandwidth Allocation
- Proactive Network Monitoring
- Packet and jitter control
- Network Address Translation (NAT) support
- Automatic NAT discovery
- Configurable video/audio/FECC service value
- Asymmetric speed control
- TCP/UDP fixed-port firewall support
- Lip synchronization
- Echo cancellation and suppression
- Auto gatekeeper discovery
- Automatic gateway dialing profiles
- Specify outbound call routing for gateway/ISDN
- Closed captioning and text chat support both in and out of calls

Security
- Account validation number entry
- Secure password authentication
- Unique factory default passwords
- Administrator password
- H.243 MCU password
- Do not disturb control for point-to-point calls
- Auto-Answer Point-to-Point (On/Off)
- Password protect individual menu screens
- SNMP security alerts for failed and successful password authentication attempts
- Ability to disable remote interfaces: FTP, Telnet, HTTP, SNMP

Directory Services
- 10,000+ number global directory*
- 1,000+ number local directory
- Limitless multipoint entries
- Live address book with Polycom Global Directory Services automatically and quickly updates directory with address changes or new endpoints*
- Live address book with Polycom Global Directory Services automatically and quickly removes endpoints from directory if they are turned off*
- Polycom Global Directory Services integrates with Active Directory/LDAP*
- Automatic ISDN localization of calls

System Management
- SNMP management
- Diagnostics and software upgrades via PC, LAN
- Software upgrades via ISDN call
- Integrated remote Web management
- Remote administrator video-only monitoring of room or calls from integrated Web server (enabled/ disabled from endpoint for security)
- Place a call from Web interface
- System configuration from Web interface
- Call Detail Record (CDR) – Reports calls made from the system along with call statistics
- Web interface for viewing CDR data
- Downloadable CDR files for processing
- Account number validation at call initiation integrated with Polycom Global Management System™ for billing purposes*
- Administrator-configurable dialing speeds
- Complete support for The Polycom Office:
  - Polycom Global Management System*
  - Polycom OneDial*
  - Polycom PathNavigator*
  - Polycom Conference Suite*
  - Polycom MGC*

Other ITU-Supported Standards
- H.221 communications
- H.224/H.281 far-end camera control
- H.225, H.245
- Bonding, Mode 1

Language Support
- Number of Languages Supported: 9
  - Chinese, English, French, German, Italian, Japanese, Norwegian, Portuguese, Spanish
- Translated documentation
- Translated user interface
- Translated keypad audio dialing confirmation
- Translated web interface
- Translated remote control

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

Environmental Specifications
- Operating Temperature: 0 to 40° C
- Operating Humidity: 10 to 85% R.H. non-condensing
- Non-Operating Temperature: -40 to 70° C
- Non-Operating Humidity (Non-condensing): 10 to 90%

Physical Characteristics
- Base Unit Dimensions (WxHxD): 33 x 15 x 23 cm
- Base Unit Weight: 2.7 kg / 6.0 lbs

Warranty
- Parts and labor: One-year

*Optional