



# Polycom® V500™



## Benefits

### **Simple, essential video calling** –

When you need to talk face to face. Connects to any television, uses a TV-like remote, and includes an integrated camera and microphone

**Affordable** – Outfit your office or small meeting area with business quality video conferencing at a very low cost. Affordable models for ISDN or IP networks are available, as well as models with data sharing capability

**Superior, natural sound**– Siren™ 14 technology delivers CD-like sound, while using minimum bandwidth

**Outstanding video** – Premium quality video at any bandwidth with smooth natural motion and sharp, clear images. Employs standard-based H.264 compression for optimal viewing

**Network friendly** – Features include video and audio error concealment, UPnP, NAT, Closed Captioning support and embedded encryption

**Complete solution packages** – Combine the V500 with any of Polycom's attractive furniture display options to create a total meeting room solution

**The Polycom Solution** – Everything you need to deploy and manage a complete video conferencing network with Polycom ReadiManager SE 200, Polycom Global Management System™, Polycom PathNavigator™, Polycom Conference Suite™ and the Polycom MGC™

## Simple and affordable video calling for small businesses, remote offices and telecommuters

For the first time simple, affordable, video calling is now available with unparalleled audio and video quality. As easy to use as your television, the Polycom V500 brings the benefit of video conferencing to everyone. Together with its superior audio and video performance, the Polycom V500 is affordable and supports industry standards so you can call anyone, anywhere. The Polycom V500 is light, portable and easy to install and configure for your office.

### With the Polycom V500:

- Small businesses can communicate easily with corporate clients around the world
- Executives and corporate telecommuters can make calls from their home office to colleagues and clients
- Remote offices can participate face-to-face with their office locations around the world
- Doctors can make lab, doctor to doctor, and doctor to patient calls
- Teachers can host remote field trips or offer classes to satellite schools in rural locations

No need to add a computer to video call over the internet – simply plug the Polycom V500 into your television and your high speed internet connection and start calling. Within seconds you are talking face-to-face as naturally as if you're in the same room.

Easy to use setup wizards allow step-by-step guides for a quick installation. The simple remote control provides access to the power of the Polycom V500 and lets you easily answer an incoming video call or initiate a new one. An intuitive graphical user interface can be customized for any level of user. The main dialing screen can be configured with present dialing locations, for one-button calling. You also have the capability to see both near and remote video on screen simultaneously with Polycom Dual Monitor Emulation.

The Polycom V500 is standards-based and interoperates with other desktop or group conferencing systems to participate in any size video call. Users can enjoy high quality audio with Polycom Siren™14 audio and exceptional video with H.264 support. Optional People+Content™ IP is also available to support sending PC content cable-free while in a video call.

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in voice, video, data and Web solutions, our award-winning conference technology makes it easy for people to interact and maximize productivity – over any network, in various environments, anywhere around the globe. That's why more organizations worldwide prefer using Polycom conferencing solutions. Because when people work together, great things happen. To learn more, please visit the Polycom Experience Center at [www.polycom.com/experience](http://www.polycom.com/experience)



# Polycom V500 Specifications

H.323, SIP and H.320 compliant

## Bandwidth

- Maximum Data Rate IP: 768 Kbps
- Maximum Data Rate ISDN: 128 Kbps

## Video Standards

- H.261
- H.263+ Annexes: F, I, J, L, N, T
- H.263++ Annexes: W
- H.264

## Frame Rates (Point-to-Point)

- Intelligently selects frame rate for best performance video
- 30 fps from 56 kbps up to 768 Kbps

## Video Inputs

- Integrated main camera

## Video Outputs

- 1 x RCA Composite Video
- 1 x Mini-DIN S-Video

## Video Formats

- NTSC/PAL

## Integrated Main Camera

- 60° horizontal field of view
- Tilt range: +/- 20° (Up/Down)
- Pan range: +/- 20° (Left/Right)
- Total field of view: 100°
- Automatic white balance
- Automatic exposure control

## People Video Resolution

- SIF (352 x 240), CIF (352 x 288)
- QSIF (176 x 120), QCIF (176 x 144)
- Receives Polycom Pro-Motion™ 60/50 fields per second (full screen video for NTSC and PAL applications)

## Content Video Resolution

- Send SIF, CIF, 4CIF, 4SIF, VGA, SVGA, XGA resolutions with People+Content IP
- Display up to 4CIF resolution

## Audio Standards & Protocols

- 14 kHz bandwidth with Polycom Siren 14 (G.722.1 Annex C)
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711, G.728, G.729A

## Audio Features

- Audio call over ISDN and IP
- Full-duplex digital audio
- Instant Adaptation Echo Cancellation
- Automatic Gain Control (AGC) – Voice activated
- Automatic Noise Suppression (ANS)
- Built in tonal speaker test

## Audio Inputs

- Built-in microphone with wide coverage area

## Audio Outputs

- 2 x RCA stereo line level
- Headphone jack (3.5 MM stereo mini) for privacy listening

## Other ITU-Supported Standards

- H.221 communications
- H.224/H.281 far-end camera control
- H.323 Annex Q far-end camera control
- H.225, H.245, H.241, H.239
- H.231 in multipoint calls
- H.243 MCU password
- H.233, H.234, H.235V3 encryption standards
- H.460 NAT/firewall traversal
- Bonding, Mode 1

## SIP Support (Sessions Initiation Protocol)

- Register and authenticate with:
  - Microsoft LCS
  - Nortel MCS
  - Standards-based SIP servers

- FECC
- H.261, H.263, H.264
- G.711, G.722, G.722.1, G.728, G.729A, Siren 14 (G.722.1 Annex C)
- Microsoft LCS contact list support
- Microsoft LCS presence support
- Interoperable with Microsoft Office Communicator

## Network Interfaces Supported

- LAN, DSL, cable modem
- Single 10/100 Ethernet port (10 Mbps/100Mbps/Auto)
- Optional single BRI (Basic Rate Interface)
- Wireless LAN support via Ethernet port using your choice of wireless bridges

## Network Features

- Integration with Cisco Systems® Call Manager Version 4.0
- Down speeding over IP and ISDN
- IP address conflict warning
- Maximum call length digital timer
- Auto SPID detection and line number configuration
- MGC™ Click&View™ for individual screen layouts
- Polycom OneDial™ intelligent call management attempts call on preferred network (IP or ISDN) and automatically rolls over to secondary network if needed
- PathNavigator™ support for easy call placement and network cost optimization
- TCP/IP, UDP/IP, DNS, WINS, DHCP, ARP, HTTP, RTP, FTP, Telnet

## Security

- Account validation number entry
- Secure password authentication
- Administrator password – in-room and remote access
- Dial-in meeting password
- Standards-based H.243 MCU password
- Do not disturb feature
- Ability to disable remote interfaces (FTP, Telnet, HTTP)
- Auto-Answer Point-to-Point (On/Off)
- Allow access to user settings (On/Off)

## Embedded Encryption

- Advanced Encryption Standard (AES)
- FIPS 197 validated by National Institute of Standards & Technology (NIST) certified agency

- 128-bit key length
- AES software encryption on ISDN and IP
- Standards-based H.235V3 (IP)
- Standards-based H.233/H.234 (ISDN)
- Supported in People+Content
- Automatic key generation and exchange

## User Interface

- User-friendly graphical interface
- Customizable home screen and color themes
- Kiosk mode with scrolling marquee
- User-selectable ring tones
- Speed Dial List on home page
- Persistent Preview (Far-site PIP) on all screens
- Picture In Picture (PIP) (On/Off, Moveable)
- Dual Monitor Emulation
- Calendar and Conference scheduling
- Alert Signal on home page
- Do Not Disturb (On/Off)
- Integrated Web interface for remote monitoring
- Closed Caption support through Web Interface

## Directory Services

- 4,000 number global directory
- 1,000+ number local directory
- Speed dial list displaying video buddy list
- Live address book with Polycom Global Directory Services automatically and quickly updates directory with address changes or new endpoints
- Polycom Global Directory Services integrates with Active Directory/LDAP
- Automatic ISDN localization of calls

## System Management

- SNMP for enterprise management
- Diagnostics and software upgrades via PC, LAN
- Integrated Web interface for remote management
- Web Director: Remote administrator video monitoring and control from VSX Web (enable/disable from endpoint for security)
- Out-of-box setup from Web interface
- Place a call from Web interface
- Language independence between set-top interface and Web interface
- System configuration from Web interface
- Recent Calls Log – last 99 incoming and outgoing calls
- Call Detail Record (CDR) – Reports all calls made from the system along with call statistics
- CDR Feature On/Off
- Downloadable CDR data for processing requires no external management system
- Account number validation at call initiation integrated with Polycom Global Management System™ for billing purposes
- Administrator-configurable dialing speeds

## iPriority™ – Quality of Service Features

- Video Error Concealment
- Audio Error Concealment
- Universal Plug and Play (UPnP)

- IP Precedence (ToS)
  - Configurable video/audio/FECC service value
- DiffServ (DSCP) (COS)
- RSVP
- Dynamic Bandwidth Allocation
- Proactive Network Monitoring
- Adjustable Packet Size
- NAT/firewall traversal (H.460)
- Packet and jitter control
- Network Address Translation (NAT) support
- Automatic NAT discovery
- Asymmetric speed control
- Alternate Gatekeeper support
- TCP/UDP fixed-port firewall support
- Lip synchronization
- Echo cancellation
- Echo suppression
- Auto gatekeeper discovery
- Automatic gateway dialing profiles
- Specify outbound call routing for gateway/ISDN

## Collaboration Solutions

- People+Content IP (Optional)
  - Show content from laptop/PC over IP network connection
  - Content shown in native resolution
  - Supports Windows® 2000 and Windows XP
- Adjustable bandwidth for content
  - 10% Content, 90% People
  - 50% Content, 50% People
  - 90% Content, 10% People

## Language Support (15 languages)

- Chinese (Simplified), Chinese (Traditional), English (American), English (British), French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Spanish, Russian
- Translated items include
  - Documentation (no Hungarian/Polish)
  - User interface
  - Audio dialing confirmation
  - VSX web
  - Remote control (no Hungarian/Polish)

## Electrical

- Auto sensing power supply
- Operating voltage/power 90-260 VAC, 47-63 Hz/36 watts
- Max 26 VA@115v60Hz, 32 VA@220v50Hz
- Max Heat Dissipation: 123 BTU/hour

## Environmental Specifications

- Operating Temperature: 0-40° C
- Operating Humidity: 15-80%
- Non-Operating Temperature: -40-70° C
- Non-Operating Humidity (Non-condensing): 10-90%

## Physical Characteristics

- Dimensions (W/H/D): 11.42"/2.67"/6.5" 290mm/67.9mm/165.1mm
- Weight: 2.5 lbs/1.13 kg

## Warranty

- One-year return-to-factory parts and labor
- 90-day Software Warranty

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**Polycom Headquarters:**

4750 Willow Road, Pleasanton, CA 94588 (T) 1.800.POLYCOM (765.9266) for North America only.  
For North America, Latin America and Caribbean (T) +1.925.924.6000, (F) +1.925.924.6100

**Polycom EMEA:**

270 Bath Road, Slough, Berkshire SL1 4DX, (T) +44 (0)1753 723000, (F) +44 (0)1753 723010

**Polycom Asia Pacific:**

Polycom Hong Kong Ltd., Rm 1101 MassMutual Tower, 38 Gloucester Road, Wanchai, Hong Kong, (T) +852.2861.3113, (F) +852.2866.8028

Part No. 3726-17048-001 Rev. 04/06