



# 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** – For about the price of a laptop computer, you can realize the benefits of video conferencing

**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 and Closed Captioning support, embedded encryption, plus Web streaming

**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 Global Management System™, Polycom PathNavigator™, Polycom Conference Suite™ and the Polycom MGC™

## Simple and affordable video calling for small businesses, remote offices and telecommuters who need to talk face-to-face

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 set up 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 far side 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 the patent pending Polycom Siren™14 audio and exceptional video with H.264 support. Optional People+Content™ IP is also available to support sending PC content wirelessly 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 just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer 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

ITU H.323 and H.320 compliant

## Bandwidth

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

## Video Standards

- H.261, Annex D
- 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 at 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)
- 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 audio on IP and ISDN
- 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
- Annex Q standard for FEC in H.323 calls

- H.225, H.245, H.241, H.239
- T.140 closed captioning through Web interface
- H.231 in multipoint calls
- H.243 MCU password
- H.233, H.234, H.235V3 encryption standards
- Bonding, Mode 1

\* Requires optional advanced remote

## Network Interfaces Supported

- IP (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

## Network Features

- SIP Support (Session Initiation Protocol)
- Integration with Cisco Systems® Call Manager Version 4.0
- Down speeding over IP and ISDN
- IP address conflict warning
- Fast Connect IP for quick video connections
- 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
- Software Upgradeable Inverse Multiplexer (IMUX)

## Security

- Account validation number entry
- Secure password authentication
- Unique factory default passwords
- Administrator password
- Dial-in meeting password
- Encrypted password for Web interface access
- 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 validated by National Institute of Standards & Technology (NIST) certified agency
- 128-bit key length
- AES software encryption on ISDN, and IP 768 Kbps
- Standards-based H.235V3 (IP)
- Standards-based H.233/H.234 (ISDN)
- 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
- Numerical menu navigation (Similar to mobile phone)
- Date, Time Server accessibility
- Calendar and Conference scheduling
- Alert Signal on home page
- Do Not Disturb (On/Off)
- Integrated Web interface for remote monitoring

## Directory Services

- 4,000 number global directory
- 1,000+ number local directory
- Speed dial list displaying video buddy list
- Limitless multipoint entries
- 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 – Records 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
- Complete support for The Polycom Office™ including:
  - Polycom Global Management System
  - Polycom OneDial
  - Polycom PathNavigator
  - Polycom Conference Suite™
  - Polycom MGC

## Quality of Service and Experience – iPriority™

- Video Error Concealment
- Audio Error Concealment
- Universal Plug and Play (UPnP)
- IP Precedence (ToS)
  - Configurable video/audio/FEC service value
- DiffServ (DSCP) (COS)
- RSVP

- Dynamic Bandwidth Allocation
- Proactive Network Monitoring
- 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
  - No resolution adjustment required on presenter's laptop/PC
  - Supports CIF, SIF, 4CIF, 4SIF, VGA, SVGA, XGA display resolutions
  - Zoom control
  - Supports Windows® 2000 and Windows XP
- Adjustable bandwidth for content
  - 10% Content, 90% People
  - 50% Content, 50% People
  - 90% Content, 10% People
- Closed Caption support through Web Interface

## Language Support (13 languages)

- Chinese (Simplified), Chinese (Traditional), English (American), English (British), French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Spanish, Russian
- Documentation translations in all languages
- User interface translations in all languages
- Keypad audio dialing confirmation in all languages
- Web interface translations in all languages
- Remote controls labeled in all languages

## Electrical

- Auto sensing power supply
- Operating voltage/power 90-260 VAC, 47-63 Hz/36 watts

## 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 parts and labor
- One-year software upgrades and upgrades

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