



# Polycom® PVX™

The ultimate PC conferencing software application

## Benefits

**Best Audio and Video** – Crisp, sharp high resolution video with H.264 technology and CD-like audio quality with Polycom Siren™ 14 audio

**Powerful Software Application** – The industry's best performing video conferencing application works in conjunction with your PC and USB camera at call speeds up to 2Mbps in H.323 and SIP standards environment

**Enhanced Features** – Integrated AES encryption for secure calls and People+Content™ for simultaneously sharing XGA resolution content and high quality video

**Maximum Flexibility** – Video application resides on your laptop and works with standard USB cameras, Polycom's ViaVideo® series cameras or operates without a camera in ViewOnly mode

**Easiest to use** – User-friendly and customizable graphical user interface makes video conferencing a breeze and provides maximum user flexibility in 12 languages

**The Polycom Solution** – All Polycom conferencing and collaboration capabilities, including Polycom WebOffice®, Polycom Global Management™ Server and Polycom PathNavigator™

Advanced software application delivers Polycom's premium quality audio, video and content sharing to your PC and standard USB camera.



Polycom PVX brings unprecedented video conferencing technology to your desktop PC with the first software application ever offered by the industry leader. Utilizing the industry's highest quality audio/video algorithms, Polycom PVX is the only PC application to offer both secure communications and People+Content™. The application supports most standard Webcams, thereby eliminating the need for a separate video camera and reducing clutter in your workspace. And when used in conjunction with your laptop and portable USB camera, Polycom PVX provides the ultimate in portability.

For users of group conferencing systems, the premium performance and advanced features of Polycom PVX will perfectly complement larger room systems while maximizing end-to-end conferencing and collaboration quality. The graphical user interface delivers a rich feature set, including:

- Sizable and detachable video windows for personal desktop layout supporting local video, remote video, and content video
- Intelligent call directory with search capability to quickly locate and call other end users
- Multiple location profiles simplify network connectivity from home, office and travel locations
- Continually monitors system and network for errors and alerts end user of status changes
- Intuitive navigation with context sensitive help screens, embedded user manual available in 12 languages for ease of use and fast adoption
- Multiple monitor support adds richness to conferencing and PC collaboration
- Web user interface enables remote management and monitoring from Web browser

The iPriority™ features of the Polycom PVX enable your PC to deliver high-quality video conferencing over IP networks. And as an integrated component of the Polycom Office™, Polycom PVX gives your PC the ability to conduct one-to-one or one-to-many communications in offices, home offices or small businesses. Bring remote colleagues, offices and telecommuters together easily and affordably with the Polycom PVX conferencing software application.

Your software of choice for content sharing to access the power of Polycom unified collaborative communications solutions.

With the greatest breadth and depth of integrated video, voice, and Web solutions, only Polycom delivers the ultimate communications experience. Our market-leading conferencing and collaboration technologies, supported by world-class service, enable people and organizations to maximize their effectiveness and productivity. Add to that the most experience and proven best-practices in the industry, and it's clear why Polycom has become the smart choice for organizations seeking a strategic advantage in a real-time world.



# Polycom PVX Software Application Specifications

ITU-T H.323 standards compliant

## Communications Protocol

- H.323
- SIP

## Audio

- 14kHz with Polycom Siren 14
- 7kHz with G.722, G.722.1
- 3.4kHz with G.711, G.728, G.729A
- Full Duplex Audio
- Echo Cancellation
- Automatic Gain Control (AGC)
- Automatic Noise Suppression (ANS)

## Voice over IP (VoIP)

- Supports voice-only calls to and from VoIP endpoints

## Video

- H.261, H.263, H.263+, H.264
- Multiple Monitor Support — must be supported by PC video card
- Picture-In-Picture (PIP)
- Video Only mode with Toolbar operation
- Brightness control — automatic or manual adjustment to near side video image

## People Video Resolution

- VGA (640x480)
- Half-VGA (320x480)
- CIF (352 x 288 pixels)
- SIF (352 x 240 pixels)
- QCIF (176 x 144 pixels)
- QVGA (160 x 120 pixels) – Native Web camera resolution
- H.261 Annex D images

## Content Video Resolution

- Show PC desktop as Content:
  - Capture – Native resolution of computer desktop
  - Transmit and Receive – XGA (1024 x 768)
- 4CIF (704 x 576 pixels)
- CIF (352 x 288 pixels)

## People+Content Features

- H.239 Dual Images (view people and high resolution content simultaneously)
- Dynamic bandwidth allocation
- Dynamic system resource allocation

## Data

- T.120, Integrated Microsoft® NetMeeting®
  - Application sharing
  - Whiteboard
  - File transfer
  - Chat
- H.323 Annex Q far-end camera control

## Security

- H.235 v3 AES encryption
- Admin lock down of configuration pages

## Camera Supported

- GlobalMedia iREZ K2 Camera USB 2.0 (supports VGA @30fps)
- Logitech® QuickCam® Pro 4000
- Logitech QuickCam for Notebooks Pro
- Logitech QuickCam Orbit
- ViaVideo I
- ViaVideo II

## Network Interface

- IP LAN
- Cable modem
- DSL

## Directory Services

- Supports Polycom Global Address Book
- Support for Active Directory
  - Internet Locator Service (ILS)
  - LDAP through Polycom Global Address Book

- Supports Local Address Book
  - Speed Dial List
  - Most Recently Called List
  - Missed Call List

## Dialing Capabilities

- DNS alias
- E.164 extension
- IP address
- H.323 external gatekeeper, gateway and MCU support
- Cisco® CanMapAlias
- SIP URI

## Call Transfer

- Transfer to another H.323 endpoint
- Transfer to another voice/video endpoint using Empty Capability Set

## Call Forwarding\*

- Forward on busy
- Forward on no answer
- Unconditional Forward

## Conference-on-Demand\*\*

- Create unscheduled multipoint calls with Polycom PathNavigator and MGC™ bridge

## Quality of Service (QoS) and experience - iPriority™

- Video error concealment for smooth video in high packet loss networks
- IP Precedence (ToS)
- Differentiate Services (DiffServ) (CoS)
- Network Address Translation (NAT) support
- Automatic NAT IP address discovery
- Dynamic bandwidth allocation
- Automatic gatekeeper discovery
- Configurable fixed port ranges
- Lip synchronization
- Packet reordering and dejittering
- Asymmetric call speed
- Universal Plug & Play (UPnP) firewall traversal

## System Management

- Support for Polycom Global Management System
  - Auto server discovery
  - Auto provisioning
  - Auto registration
  - Software update
  - Call detail records
- Integrated Web server for remote management, dialing, diagnostics and passwords

## Minimum System (PC) requirements

	ViaVideo or ViaVideo II	Web Cameras
H.263 video	PIII 800MHz and above 1800+ Athlon XP	PIII 1GHz/P4 1.2GHz and above 1800+ Athlon XP
H.264 video	Not Supported	P4 1.5GHz and above 1800+ Athlon XP
People+Content	P4 1.2GHz and above 1800+ Athlon XP	P4 2.2GHz and above 2200+ Athlon XP
OS supports	Windows® 2000 with SP 4 Windows XP SP 1	Windows XP SP 1
Other Microsoft software requirements		DirectX 9.0b Windows Media® Player 9.0
Memory	256 MB RAM (512 MB recommended)	
Storage	100 MB available hard disk space	
Display	SVGA display (800x600) 16-bit color or higher	
Network	64 Kbps and above (Cable, DSL, or LAN)	

## Language Support

- Chinese (Simplified and Traditional), English, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Spanish and Russian

## Limited Warranty\*\*\*

- 90-days

\* Call forwarding requires Polycom PathNavigator 5.0

\*\* Conference-on-Demand requires PathNavigator 5.0 and Polycom MGC™ MCU

\*\*\* See Polycom reseller for details

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