

Polycom® PVX™

The ultimate PC conferencing software application



Industry-leading software applica
delivers Polycom's premium qua
audio, video, and content sharing
your PC and USB camera.

Polycom PVX brings unprecedented video conferencing technology utilizing the industry's highest quality audio/video algorithms, Polycom PVX is the only PC application capable of delivering true VGA resolution, secure communications, and People+Content™. PVX can be purchased with a high resolut USB web camera for optimal video quality at the desktop, thereby eliminating the need for a separate vide camera and reducing clutter in your workspace. And when used in conjunction with your laptop and USB webcam, Polycom PVX provides the ultimate in portability.

For users of group conferencing systems, the premium performance and advanced features of Polycom PV will perfectly complement larger room systems while maximizing end-to-end conferencing and collaborati 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 and embedded user manual available in 13 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.

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 with high quality voice and video and content sharing – over any network, 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

Benefits

Best Audio and Video– Crisp, sharp high resolution video with H.264 technology and CD-like audio quality with Polycom Siren™ 14 audio, compatible with most USB cameras including the high resolution/high frame rate iREZ K2 camera

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 2 Mbps in H.323 and SIP environments

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

Maximum Flexibility – Video application resides on your laptop and can be combined with a USB webcam or can operate without a camera in ViewOnly mode

Easiest to use – User-friendly graphical user interface makes video conferencing a breeze and provides maximum user flexibility in 13 languages

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

POLYCOM®

TOGETHER, GREAT THINGS HAPPEN.

Polycom PVX Software Application Specifications

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) – High resolution webcam
- 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
- People+Content and 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

Cameras Supported
- Recommended: GlobalMedia iREZ K2 Camera USB 2.0 (supports VGA @30fps)
- Logitech QuickCam Pro 4000
- Logitech QuickCam for Notebooks Pro
- Logitech QuickCam Orbit

K2 Camera Specifications
- Operating Systems: Windows 2000, XP
- Image Sensor Size: 1/3"; 0.35 Megapixels
- Resolution: Up to 640x480
- Focus Distance: 5cm to Infinity
- Field of View: 54º
- Colors: Up to 32 bits RGB
- Frame Rate: Up to 30 fps at 640x480 (VGA)
- USB Cable Length: 2 metres
- Manual Focus
- Auto White Balance
- Auto Exposure Control
- LED Indicator

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

Polycom GMS Support
- Support for Polycom Global Management System
  - Software update
  - Call detail records

Minimum System (PC) requirements

H.263 video	PIII 1GHz/P4 1.2GHz and above 1800+ Athlon XP
H.264 video	P4 1.5GHz and above 1800+ Athlon XP
People+Content	P4 2.2GHz and above 2200+ Athlon XP
OS supports	Windows XP SP2
Other Microsoft software requirements	DirectX 10 Windows Media Player 10
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 (American and British), French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Spanish, and Russian

Limited Warranty***
- 90-days

PVX/K2 Webcam bundle is available in designated countries worldwide. For availability, see your local Polycom representative.

* 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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