Polycom® VSX™ 3000

The world's most advanced, fully integrated video conferencing system for executive office and remote offices.

Benefits

Completely Integrated – All-in-one video conferencing system includes camera, display, speakers, cables and microphone

Versatile Display – Built-in 17" LCD flat screen with added ability to act as a high resolution PC desktop display

Superior Audio – Polycom Siren™ 14 with integrated speakers delivers 14 kHz of wideband sound while the Polycom StereoSurround™ delivers that same incredible audio in rich stereo

Outstanding Video – Premium quality video at any bandwidth with standards based H.264

Data Sharing Support – Send and receive content during a video conference using the optional People+Content™ IP software

Easiest to Use – User-friendly and customizable graphical interface makes video conferencing a breeze and provides maximum user flexibility

Portable – Sleek, compact design delivers high-quality, face-to-face video communication within space constrained environments. Simply plug into any IP or ISDN network

Maximum Calling Capacity – Internal multipoint (optional) connects up to four video sites (IP, ISDN or mixed) directly from the Polycom VSX 3000 in a continuous presence or voice activated mode with up to 10 sites cascaded – see all callers at once or one at a time. ISDN voice callers can be added within the internal multipoint function

Enhanced Features – Integrated AES encryption for secure calls

The Polycom VSX 3000 is a stylish and compact video conferencing system that provides excellent video and audio quality. Featuring an integrated LCD screen, the Polycom VSX 3000 is the perfect video conferencing solution for executive suites and remote offices. As a fully integrated video conferencing system, the Polycom VSX 3000 is easier to use in a shared environment, delivering ease of use with powerful video and audio performance. The Polycom VSX 3000 also can act as a PC display when not in a video call - saving valuable desk space.

For executives, the Polycom VSX 3000 allows video calls around the world directly from their offices, eliminating the need to find an available conference room. The Polycom VSX 3000 frees up large conference rooms by moving calls requiring only a few individuals to a smaller meeting space. And for remote locations, the Polycom VSX 3000 helps off-site professionals such as regional sales representatives. For consultants to stay in touch with corporate headquarters for training, meetings or face-to-face contact without the investment or space required for a large video conferencing system, or the continuous cost of plane tickets.

The Polycom VSX 3000 offers intuitive navigation with an enhanced graphical user interface, including a hand held remote control. TV-like video with H.264 video technology and near CD-quality audio with Polycom Siren 14 and the Polycom StereoSurround enables the delivery of high-quality video conferencing over IP and ISDN networks. PC based content can be added to a VSX 3000 conference call using the People+Content IP software option. And as an integrated component of the Polycom conferencing solution, the Polycom VSX 3000 works well for one-to-one or one-to-many communications.

Your integrated video conferencing system of choice 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®

Connect. Any Way You Want.

ITU H.323 and H.320 compliant

Bandwidth
- Maximum Data Rate IP: Up to 2 Mbps
- Maximum Data Rate ISDN: Up to 512 kbps

Video Standards
- H.261, Annex D
- H.263+ Annexes: F, I, J, L, N, T
- H.263++ Annexes: W
- H.264
- ITU 60-fps full screen — Pro-Motion

Frame Rates (Point-to-Point)
- Intelligently selects frame rate for best performance video
- 30 fps at 56 kbps up to 2 Mbps
- Up to 60 fields per second - up to 2Mbps

Video Inputs
- Integrated main camera
- 1 x Composite; RCA/Phono (Document camera, VCR or second camera)

Video Formats
- NTSC/PAL

Integrated Main Camera
- 60˚ 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
- Pro-Motion interlaced video (60/50 fields full-screen video for NTSC/PAL) — VCR/Doc cam only
- SIF (352 x 240)
- CIF (352 x 288)
- 4SIF,4CIF (VCR/Doc cam only)

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

Audio Standards & Protocols
- Polycom StereoSurround Ready
- 14 kHz bandwidth with Siren™ 14 audio on IP, ISDN, and IP/ISDN mixed calls
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711, G.728, G.729A

Audio Features
- ISDN voice calls
- Full-duplex digital audio
- Instant Adaptation Echo Cancellation
- Automatic Gain Control (AGC) - Voice activated
- Automatic Noise Suppression (ANS)
- Built-in tonal speaker test microphones
- Ability to talk over VCR audio

Audio Inputs
- Built-in dual microphones with wide coverage area
- 2X RCA stereo line level for VCR

Audio Outputs
- Built-in dual speakers, with separate audio volume control on video conferencing and PC monitor functionalities
- Headphone in front panel (3.5 mm stereo mini jack)
- Auxiliary line-level in back panel (3.5 mm stereo mini jack)

Other ITU-Supported Standards
- H.221 communications
- H.224/H.281 far-end camera control
- Annex Q standard for FECC in H.323 calls
- H.225, H.245, H.239, H.241
- H.231 in multipoint calls
- H.243 MCU password
- H.233, H.234, H.235V3 AES encryption standards
- Bonding, Mode 1

Network Interfaces Supported
- IP (LAN, DSL, cable modem)
- Single 10/100 Ethernet port (10 Mbps/100Mbps/Auto)
- Integrated Quad BRI (Basic Rate Interface)
- Wireless LAN support via Ethernet port

Network Features
- Integration with Cisco Systems Call Manager V4.0
- Automatic IP/ISDN calling
- 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, RTP, DNS, WINS, DHCP, ARP, HTTP, FTP, Telnet
- Software Upgradeable Inverse Multiplexer (IMUX)
- SIP support (Session Initiation Protocol)

Internal Multipoint (Optional)
- Mixed protocol dialing connects a total of four endpoints (IP/ISDN/Serial) through the internal MCU
- Dial-in/Dial-out Calling (IP/ISDN)
- Password protection for incoming calls
- Supports IP telephones
- Automatic IP/ISDN down speeding
- Supports People+Content™ from any endpoint (Not just the host site)
- Voice Activated Switching - view current speaker
- Continuous Presence - see all locations
- Automatic Presentation - switch between presenter and continuous presence mode
- MP key installation while in a call
- Audio add-in over ISDN
- Cascading for up to 10 conference participants (mix of IP/ISDN)

Conference on Demand
- Initiates unscheduled MGC calls from the endpoint
- Utilizes the Polycom Office™ (Polycom PathNavigator and MGC)
- Auto selects either the internal or external bridge
- Dials all participants simultaneously

Security
- Account validation number entry
- SNMP trap notification of all failed login attempts from HTTP, FTP or Telnet
- Secure password authentication
- Unique factory default passwords
- Administrator password
- Dial-in meeting password
- Encrypted password for VSX Web access
- Ability to disable mixed protocol multipoint calls
- Auto-Answer (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, IP (up to 2 Mbps)
- Standards-based H.235V3 (IP)
- Standards-based H.233/H.234 (ISDN)
- Automatic key generation and exchange
- Supported in People+Content™
- Supported in Point-to-Point IP & ISDN & mixed multipoint calls

User Interface
- User-friendly graphical interface
- Customizable home screen and color themes
- Kiosk mode with scrolling marquee
- User-selectable camera icons and 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)
- VSX Web for remote monitoring

Directory Services
- 4,000 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
- Directory Server backup in the event Polycom Global Directory is not accessible
- Automatic ISDN localization of calls

System Management
- SNMP for enterprise management
- Diagnostics and software upgrades via PC, LAN
- Integrated VSX Web for remote management
- Web Director: Remote administrator video monitoring and control from VSX Web (enabled/disabled from endpoint for security)
- Out-of-box setup from VSX Web
- Place a call from VSX Web
- Language independence between set-top interface and VSX Web
- System configuration from VSX Web
- 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/FECC service value
- DiffServ (DSCP) (COS)
- Dynamic Bandwidth Allocation
- Proactive Network Monitoring
- Packet and jitter control
- Network Address Translation (NAT) support
- Automatic NAT discovery
- Asymmetric speed control
- Alternate Gatekeeper
- 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
- Web Streaming in and out of a call, RTP based, suitable with QuickTime® players
- Closed Caption support through Web Interface

Language Support (12 languages)
Chinese (Simplified), Chinese (Traditional), English, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Spanish and Russian
- Documentation translations in all languages
- User interface translations in all languages
- Keypad audio dialing confirmation in all languages
- VSX Web translations in all languages
- Remote controls labeled in all languages

PC Monitor functionality
- Alternative use of display as PC monitor
- VGA input (up to SXGA, 1280x1024)
- VGA output as pass-through of VGA input
- Built-in stereo speakers for PC audio, with separate audio volume control from video conferencing functionality
- Video call audible indication when incoming call during PC monitor use

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

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): 17.01"X20.25"X7.008" 432mmX514.4mmX178mm
- Weight: 19.2lbs/8.7kg

Warranty
- One-year return to factory parts and labor
- One-year software updates and upgrades

2004 INTERNET TELEPHONY® PRODUCT OF THE YEAR

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