Polycom® VSX™ 3000

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

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 and 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 enable the delivery of high-quality video conferencing over IP and ISDN networks. 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.

The integrated video conferencing system of choice for Polycom conferencing and collaboration.
With integrated video, voice, data and Web capabilities, only Polycom conferencing solutions offer you an easy way to connect, conference and collaborate any way you want. It's our commitment to making distance communications as natural and interactive as being there. Work faster, smarter and better with the Polycom VSX 3000 and Polycom communication solutions.

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

Best Audio and Video – H.264 video technology and Polycom Siren™ 14 audio

Easiest to Use – User-friendly and customisable graphical interface that 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

Enhanced Features – Integrated AES encryption for secure calls

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

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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
- 60 fields per second up to 2 Mbps

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

Video Formats
- NTSC/PAL

Integrated Main Camera
- 60Þ field of view
- Tilt Range: +/- 20° (Up/Down)
- Pan Range: +/- 20° (Left/Right)
- Total Field of View: 100°
- Automatic white balance

People Video Resolution
- Pro-Motion interlaced video (60/50 fields full-screen video for NTSC/PAL) – VCR/Doc cam only
- 4SIF (704 x 480)
- 4CIF (704 x 576)
- SIF (352 x 240)
- CIF (352 x 288)

Content Video Resolution
- Up to 4CIF

Audio Standards & Protocols
- 14 kHz bandwidth with Siren™ 14 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 Inputs
- Built-in dual microphones with wide coverage area
- 1 x RCA (L+R) input 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.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)
- Optional wireless LAN support via Ethernet port
    - Compliant with IEEE 802.11b or 802.11g, up to 54 Mbps
    - Support for 64-bit to128-bit encryption (WEP)
    - Infrastructure or ad hoc mode

Network Features
- Automatic IP/ISDN calling
- Down speeding over IP and ISDN
- Audio & Video Error Concealment over IP
- 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 optimisation
- TCP/IP, DNS, WINS, DHCP, ARP, HTTP, FTP, Telnet
- Software Upgradeable Inverse Multiplexer (IMUX)

Internal Multipoint (Optional)
- Mixed protocol dialing connects a total of four endpoints through the internal MCU
- Dial-in/Dial-out Calling
- 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 (VAS)
- MP key installation while in a call

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

Security
- AES Encryption
- 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
- Do not disturb feature while in a call
- Ability to disable remote interfaces (FTP, Telnet, HTTP)
- Ability to disable mixed protocol multipoint calls
- Auto-Answer Point-to-Point (On/Off)
- Auto-Answer MultiPoint (On/Off)
- Allow access to user settings (On/Off)

Directory Services
- 10,000+ 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
- Automatic ISDN localisation of calls

System Management
- Diagnostics and software upgrades via PC, LAN
- Integrated Web interface for remote management
- 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
- IP Precedence (ToS)
- DiffServ (DSCP) (COS)
- Dynamic Bandwidth Allocation
- Proactive Network Monitoring
- Packet and jitter control
- Network Address Translation (NAT) support
- Automatic NAT discovery
- Configurable video/audio/FECC service value
- Asymmetric speed control
- Alternate Gatekeeper
- CISCO Call Manager Integration
- TCP/UDP fixed-port firewall support
- Lip synchronisation
- Echo cancellation
- Echo suppression
- Auto gatekeeper discovery
- Automatic gateway dialing profiles
- Specify outbound call routing for gateway/ISDN

Language Support (11 languages)
- Chinese (Simplified), Chinese (Traditional), English, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Spanish
    - 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

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): 434mm x 443mm x 112mm (17.1" x 17.5" x 4.4")
- Weight: 8.7 kg (19.2lbs)

Warranty
- One-year parts and labour