Polycom® VSX™ 8000
Features and Benefits

	Audio
G.722.1 Annex C (based on Polycom Siren™ 14)	• 14 kHz crystal clear, wideband audio, while only using 24-48 Kbps of bandwidth, depending on the data rate of the call • Eliminates fatigue associated with straining to hear every word • Near CD-quality sound for dynamic audio performance • Superb clarity to hear the subtleties of every word • Rated the best audio algorithm in the industry; outperforming MPEG4 in all tests • Included with every VSX system • For more detailed information, see www.polycom.com/siren14
Polycom StereoSurround™	• 2 channels of 14 kHz crystal clear audio • Superb clarity to hear the subtleties of every word • Easily decipher multiple, simultaneous conversations • Distinguish which side of the room people are talking from, just like in a real meeting
SoundStation VTX 1000® Integration*	• Use the SoundStation VTX 1000 as the microphone for the video system, as well as a standalone audio conferencing phone, and eliminates the VSX tabletop microphone array • Add POTS voice-only callers to a video conference with the SoundStation VTX 1000 • Maximize the value of audio and video equipment investments when used together • Remarkable voice pickup range with the SoundStation VTX 1000 microphones - you can additionally use the SoundStation VTX 1000 extension microphones for even greater pickup • Video dial, mute, call hangup and call redial from the SoundStation VTX 1000 keypad • Upgrade an audio call between SoundStation VTX 1000 integrated with your VSX to video by simply pressing one button • Supports StereoSurround
Vortex® Installed Voice Products Integration	• Multi-channel acoustic echo and noise canceller • Integral automatic microphone/matrix mixer • Customizable equalization and terrific sound • 1U rack mount form factor • Combine with the VSX 8000 or VSX 7000e for the best of voice and video system integration
VSX Microphone Array	• 360° audio pickup • Padded feet filter out table-top noise • Sensitive enough to pick up whispers, smart enough to eliminate unwanted background noise • Versatile and attractive design for table top, wall or ceiling mount • Only one VSX microphone array needed to support • Single array for StereoSurround • Gated enhanced stereo pickup
Audio Error Concealment	• Reduced audio drop-out on noisy networks • Smooth, consistent verbal communications without interruptions • Corrects audio from any system seamlessly • Activates automatically, only when needed

* SoundStation VTX 1000 integration not available in all countries.
Contact your Polycom representative for availability.

POLYCOM®

Direct POTS Connection	• Easily add a telephone to any video call • Users on a cell phone can call directly into the video conference • Expands the usability of the system to include IP, ISDN, SIP or POTS callers
	Video
H.264 Video	• Use less bandwidth to conduct video calls of equal quality compared to calls using the H.263 standard • Unparalleled video quality for lower line rate applications • More bandwidth is available for other business • Cost savings to any organization • Supported at data rates from 64Kbps to 1.5Mbps
Pro-Motion™ H.264	• Full-screen, TV-like video quality with fluid, precise motion handling • 2CIF resolution gives TV like image detail and motion handling • Most natural video communications experience possible • From data rates of 384Kbps to 1.5Mbps
Support for PowerCam™ Plus Camera	• Camera automatically points to the speaker's voice • Software supports up to (99) near-end camera presets for use in large integrated rooms • Camera can also track to presets, allowing the camera to move automatically to the preset closest to the speaker
Multiple camera support	• PowerCam • PowerCam Plus • Sony EVI-D30/31 • Sony EVI-D100/D100P • Sony D70 • Sony BRC-300 • Elmo PTC-100S, PTC-11OR, PTC-150S
Single Monitor XGA Support	• Use a XGA display for main display • Clearly see both the presenter and the content on a single display up to XGA resolution • Flexibility in configuration, allowing users the display of their choice • Supports up to 1024 x 768 resolution
Support for 16:9 or 4:3 Format	• User selectable display format • 16:9 aspect ratio with Dual Monitor Emulation is perfect for plasma displays • High resolution graphics displays for content presentation • Option to zoom video to fit the 16:9 display
Video Error Concealment	• Reduced video drop-out on noisy networks • Smooth, continuous video without interruptions • Maintain active face-to-face contact • Accomplish meeting objectives without worrying about the video integrity • Activates automatically, only when needed

Content Sharing

People+Content™, H.239	• Polycom People+Content or standards based H.239 ensures interoperability in the industry • Dual images allows the far end to see the presentation and the speaker at the same time • ImageShare II is available for easy control and table top connection of laptops or connect directly to the codec • Perfect for outside speakers/visitors to be able to easily add content to a video conference; just plug in a PC directly to the 8000 and start sharing!
People+Content IP	• Simply input the IP address into a small utility and PC content is easily shown to all conference participants • This feature can be used by anyone in the conference, even voice-only participants!
Adjustable Bandwidth for Content	• Choose the amount of bandwidth to dedicate to Content and People • Options include 90% Content/ 10% People; 50% Content/ 50% People; 10% Content/ 90% People • User adjustable setting can be accessed both during a call and outside of a call
Dedicated VCR/DVD Connection	• Ability to use line level inputs for other devices • Easily play VCR/DVD movies/images during a video conference • Adds another dimension to the conference, making it like "being there" • By setting it to content input, you can see both the speaker and the DVD/VCR image
Multiple Content Sources	• Second camera source (i.e. doc camera/VCR/DVD) images can be seen as content, along with people • Now all sources of content (PC, 2nd camera, VCR, etc.) can show up on the second screen/monitor – they never displace the person/group speaking • Supplement video conference with multiple types of content including pictures, documents, audio files, PowerPoint® presentations • Flexible bandwidth settings for adjusting people and content

User Interface

Support for API Control Commands	• Custom control touch panel integration, including AMX® or Crestron® is made easy with extensive support for API command set • Integrator's Reference Manual for VSX Series details over 200 commands for special applications • Sample control templates are available for touch panel integration that provides basic functionality right out of the box
Calendar & Call Scheduler	• Quick and easy access to a monthly calendar with current date and time posting • Schedule individual or repeat meetings to dial automatically • Create and save multipoint team meetings
Customizable Home Page	• Display only the necessary buttons • Unique design to meet your organization's needs • Simplified graphical interface for novice users • Easy to understand icon driven menu navigation decreases learning curve • Kiosk Mode allows you to create a look and feel that suits your application • Leads to increased use of video
Dual Monitor Emulation	• Use Dual Monitor Emulation for the most efficient use of a single display

	• View near and far video windows at the same time • Alternate layout views supporting near end, far end and content
User Selectable Camera Icons	• Use icons that represent your industry • Intuitive icons match the input device • Custom name gives the icon clear meaning • Selection – 5 libraries to choose from • Decreases learning curve
Display Configuration Choices	• Allows you to configure displays for your application • Single or dual displays • XGA or NTSC / PAL • 4x3 or 16x9 formats • Decide what shows on each display, near end, far end, or content

<p style="text-align:center; color:red">Platform Versatility</p>

Integration with Microsoft® Live Communications Server (LCS) via SIP	• Integrates directly with Microsoft collaboration infrastructure • Registers and authenticates with Microsoft LCS 2005 • VSX users can be added to Microsoft Messenger's buddy list • Presence information sent to LCS indicating video buddies' availability • You can use your Buddy list to launch calls from the VSX 8000 user interface
Form Factor	• 1U height and 9.68" depth compact size is ideal for rack-mount hardware • Professional grade Phoenix balanced line-level or phantom power connectors easily accommodate third party peripherals • Phoenix connector for IR receiver • Accommodations for integrated network module eliminates external bricks • Integrated power supply enhances the self-contained form factor • Multiple serial ports offer flexibility for external control systems, camera control and IR receivers • Connectivity offers seamless integration with Vortex® Installed Voice Products
Supports up to (3) Microphone Arrays	• Maximum coverage for extended rooms • Polycom StereoSurround support makes installing stereo even easier • Great audio pickup from every corner of the room • Each participant is near a microphone • Pin-point accuracy on the active speaker with multiple microphone arrays • Ceiling Microphone Array can be seamlessly incorporated; provides coverage up to 40ft in diameter
Internal Multipoint Software	• Supports up to 6 video and 1 voice call in a single conference • Optional upgrade easily done with a software key • Conduct meetings beyond just point-to-point • Increase productivity by including key people on the call • Adding sites during a call can lead to quick decision making • Supports H.264 with up to 4 participants
Secure FTP, Telnet and Web	• VSX systems are the most secure video conferencing solutions in the industry • Now, all access to the VSX system can be secured including accessing the VSX system via web-browser as well as secure telnet and ftp access via SSH for secure system administration and application connectivity
Advanced Encryption Standard (AES)	• Communications are confidential and secure • Authentication by the National Institutes of Standards means it's credible • Built-in, no extra hardware required

H.460 NAT/Firewall Traversal	• Standards compliance for traversing NATs and Firewalls • Session border controller (V2IU) is only needed at the central location and all VSX systems with H.460 can communicate through the single V2IU • Uses H.460.18 for signaling traversal and call establishment and H.460.19 for media traversal
IP (H.323, SIP or SCCP) and ISDN or Serial Connectivity	• IP is standard and you choose the H.320 interface best for your application • Choose the right configuration for your specific network connection • SCCP – integration with Cisco Call Manager (in 128 MB systems) • Supports UPnP and NAT for automatic setup of conferences conducted through firewalls • Wide range of IP QoS services to insure call quality and integrity • Optional H.320 interfaces include Quad BRI, PRI, V.35, RS-449 and RS-530
Multiple Use RS-232 Ports	• (2) RS-232 ports • Camera control, Polycom or others • Vortex integration • Transparent data pass-thru in H.320 or H.323 • Peripheral options from Polycom Custom Products
E-Mail dialing format when dialing across IP security boundaries	• Easy and intuitive E-mail video dialing • Operates with Polycom's V2IU™ Firewall Traversal Appliance • Deployable to wide range of customers, suppliers and partners

<h3 style="color:red; text-align:center">Interoperability</h3>

Part of Polycom's Unified Collaborative Communications	• Remote management through Global Management System™ • Expand the audience over audio and video with an MGC™ bridge • MGC Click & View™ offers a variety of layout templates for a multi-point call right from the system's handheld remote • Extended conferencing with Polycom PathNavigator™ • Schedule, invite participants and manage conferences easily with Polycom Conference Suite • Expand meeting capabilities by adding voice-only participants using the SoundStation VTX 1000 conference phone • Use the Polycom SE200 for management, scheduling and gatekeeping
Configurable MTU packet size	• Allows administrators to set the MTU packet size, based on needs of their network • Optimizes packet size minimizing overhead and network congestion • Default setting is 1260
Standards-based	• Solid, reliable platform • Qualified by independent test labs • Interoperates with other vendor's systems • Easy to install even in a multi-vendor environment
Baseline Mode	• Set your system to baseline mode, H.261 and G.711, for maximum interoperability with legacy video conferencing systems • Accessible via web, FTP or on-screen UI for easy access by the network administrator • Can be turned on and off as needed