

Polycom® VSX™ 8000

Features and Benefits



Audio

G.722.1 Annex C (based on Polycom Siren™ 14)	<ul style="list-style-type: none"> • 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™	<ul style="list-style-type: none"> • 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*	<ul style="list-style-type: none"> • 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 • Enables POTS voice-only callers to be added to a video conference • Maximize the value of audio and video equipment investments when used together • Enhanced voice pickup range compared to other microphone solutions - 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 1000s when integrated with your VSX to video by simply pressing one button • Supports StereoSurround
Vortex® Installed Voice Products Integration	<ul style="list-style-type: none"> • 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 for the best of voice and video system integration
VSX Microphone Array	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.

Direct POTS Connection	<ul style="list-style-type: none"> • Easily add analog audio 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, SCCP and/or POTS callers
H.264 Video	<p style="text-align: center;">Video</p> <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 256Kbps to 1.5Mbps
Support for PowerCam™ Plus Camera	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • PowerCam • PowerCam Plus • Sony EVI-D30/31 • Sony EVI-D100/D100P • Sony D70 • Sony BRC-300 • Elmo PTC-100S, PTC-110R, PTC-150S
XGA Monitor Support	<ul style="list-style-type: none"> • Use a XGA display for main display or 2nd display • Clearly see content in 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	<ul style="list-style-type: none"> • User selectable display format • 16:9 aspect ratio with Dual Monitor Emulation is perfect for widescreen displays • High resolution graphics displays for content presentation • Option to zoom video to fit the 16:9 display
Video Error Concealment	<ul style="list-style-type: none"> • Reduced video drop-out on busy IP networks and the Internet • 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
Loss Packet Recovery (LPR)	<ul style="list-style-type: none"> • Communications remain intact even on disruptive networks • Smooth, continuous video without interruptions • Maintain active face-to-face contact • Accomplish meeting objectives without worrying about the video integrity of public or private networks • Activates automatically and only when needed

Content Sharing

People+Content™, H.239	<ul style="list-style-type: none">• Polycom People+Content or standards based H.239 to insure interoperability• Dual images allows the far end to see the content 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 VSX 8000 and start sharing!
People+Content IP	<ul style="list-style-type: none">• Using a light utility on your PC, simply connect to your V500 and PC content is shown to all conference participants• This feature can be used by anyone in the conference, even remote voice-only participants!
Adjustable Bandwidth for Content	<ul style="list-style-type: none">• Choose variable bandwidth allocated to People or Content• Allows setting quality preference of a 90% / 10% split between People and Content or sharing bandwidth equally between People and Content (50% / 50%)• User adjustable setting can be accessed both during a call and outside of a call
Dedicated VCR/DVD Connection	<ul style="list-style-type: none">• Easily play VCR/DVD movies/images during a video conference• Adds another dimension to the conference, making it like “being there”
Multiple Content Sources	<ul style="list-style-type: none">• 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 display – 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Use Dual Monitor Emulation for the most efficient use of a single display• Makes effective use of 16:9 displays• View near and far video windows at the same time• Alternate layout views supporting near end, far end, content or

	VCR output
User Selectable Camera Icons	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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, content, or VCR output
Platform Versatility	
Integration with Microsoft® Live Communications Server (LCS) via SIP	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 2100 square feet.
Internal Multipoint Software	<ul style="list-style-type: none"> • Support up to 6 video and 1 voice call per system 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 • Up to 4 participants with H.264 video
Advanced Encryption Standard (AES)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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

IP (H.323, SIP or SCCP) and ISDN or Serial Connectivity	<ul style="list-style-type: none"> • Uses H.460.18 for signaling traversal and call establishment and H.460.19 for media traversal • H.323 and SIP are standard; choose the H.320 interface best for your application • SCCP – integration with Cisco Call Manager (in 128 MB systems) • Choose the right option for your specific network connection • 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	<ul style="list-style-type: none"> • (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	<ul style="list-style-type: none"> • Easy and intuitive E-mail video dialing • Operates with Polycom's V2IU™ Firewall Traversal Appliance • Deployable to wide range of customers, suppliers and partners
Interoperability	
Part of Polycom's Unified Collaborative Communications	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Solid, reliable platform • Qualified by independent test labs • Interoperates with other vendor's systems • Easy to install even in a multi-vendor environment • See technical specifications for complete list of standards
FIPS 140-2 Certified	<ul style="list-style-type: none"> • Secure FTP, Telnet and Web • VSX and V-series 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
Baseline Mode	<ul style="list-style-type: none"> • 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