

Polycom[®] VSX™ 5000

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 and V-series 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
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 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 territories.
Contact your Polycom representative for availability.

Video

H.264 Video	<ul style="list-style-type: none">• Use less bandwidth to conduct video calls of equal quality when 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 768Kbps
Pro-Motion™ H.263 – receive only	<ul style="list-style-type: none">• Full-screen, TV-like video quality with fluid, precise motion handling• Greater image detail with 50/60 fields per second• Most natural video communications experience possible
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

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• Using Polycom's Visual Concert VSX, easily attach a laptop and display PC content (audio and video) during a video call• Perfect for outside speakers/visitors to easily add content to a video conference
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

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 on the Home Page• 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 and content
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 and 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 Communicator• Presence information sent to LCS indicating video buddies' availability• Use Buddy list to launch calls from the VSX 5000 user interface
Multiple cameras supported	<ul style="list-style-type: none">• Provides flexibility and choice• Second camera can be easily added, and selected in the user interface• Add document camera, VCR/DVD or any other second video source to bring another dimension to any video conference
Secure FTP, Telnet and Web	<ul style="list-style-type: none">• 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)	<ul style="list-style-type: none">• Communications are confidential and secure• Authentication by the National Institutes of Standards means it's credible

	<ul style="list-style-type: none"> • 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 • Uses H.460.18 for signaling traversal and call establishment and H.460.19 for media traversal
IP (H.323, SIP or SCCP) or ISDN	<ul style="list-style-type: none"> • 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 interface is a Quad BRI module
Multiple Use RS-232 Port	<ul style="list-style-type: none"> • RS-232, DB9 port • 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™ • 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 full 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