

# Polycom<sup>®</sup> VSX<sup>™</sup> 5000

## Features and Benefits



	Audio
G.722.1 Annex C (based on Polycom Siren <sup>™</sup> 14)	<ul style="list-style-type: none"><li>• 14 kHz crystal clear, wideband audio, while only using 24-48 Kbps of bandwidth, depending on the data rate of the call</li><li>• Eliminates fatigue associated with straining to hear every word</li><li>• Near CD-quality sound for dynamic audio performance</li><li>• Superb clarity to hear the subtleties of every word</li><li>• Rated the best audio algorithm in the industry; outperforming MPEG4 in all tests</li><li>• Included with every VSX and V-series system</li><li>• For more detailed information, see <a href="http://www.polycom.com/siren14">www.polycom.com/siren14</a></li></ul>
Polycom StereoSurround <sup>™</sup>	<ul style="list-style-type: none"><li>• 2 channels of 14 kHz crystal clear audio</li><li>• Superb clarity to hear the subtleties of every word</li><li>• Easily decipher multiple, simultaneous conversations</li><li>• Distinguish which side of the room people are talking from, just like in a real meeting</li></ul>
SoundStation VTX 1000 <sup>®</sup> Integration*	<ul style="list-style-type: none"><li>• 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</li><li>• Enables POTS voice-only callers to be added to a video conference</li><li>• Maximize the value of audio and video equipment investments when used together</li><li>• Enhanced voice pickup range compared to other microphone solutions - you can additionally use the SoundStation VTX 1000 extension microphones for even greater pickup</li><li>• Video dial, mute, call hangup and call redial from the SoundStation VTX 1000 keypad</li><li>• Upgrade an audio call between SoundStation VTX 1000s when integrated with your VSX to video by simply pressing one button</li><li>• Supports StereoSurround</li></ul>
VSX Microphone Array	<ul style="list-style-type: none"><li>• 360° audio pickup</li><li>• Padded feet filter out table-top noise</li><li>• Sensitive enough to pick up whispers, smart enough to eliminate unwanted background noise</li><li>• Versatile and attractive design for table top, wall or ceiling mount</li><li>• Only one VSX microphone array needed to support StereoSurround</li><li>• Gated enhanced stereo pickup</li></ul>
Audio Error Concealment	<ul style="list-style-type: none"><li>• Reduced audio drop-out on noisy networks</li><li>• Smooth, consistent verbal communications without interruptions</li><li>• Corrects audio from any system seamlessly</li><li>• Activates automatically, only when needed</li></ul>

\* 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"><li>• Use less bandwidth to conduct video calls of equal quality when compared to calls using the H.263 standard</li><li>• Unparalleled video quality for lower line rate applications</li><li>• More bandwidth is available for other business</li><li>• Cost savings to any organization</li><li>• Supported at data rates from 64Kbps to 768Kbps</li></ul>
Pro-Motion™ H.263 – receive only	<ul style="list-style-type: none"><li>• Full-screen, TV-like video quality with fluid, precise motion handling</li><li>• Greater image detail with 50/60 fields per second</li><li>• Most natural video communications experience possible</li></ul>
XGA Monitor Support	<ul style="list-style-type: none"><li>• Use a XGA display for main display or 2<sup>nd</sup> display</li><li>• Clearly see content in XGA resolution</li><li>• Flexibility in configuration, allowing users the display of their choice</li><li>• Supports up to 1024 x 768 resolution</li></ul>
Support for 16:9 or 4:3 Format	<ul style="list-style-type: none"><li>• User selectable display format</li><li>• 16:9 aspect ratio with Dual Monitor Emulation is perfect for widescreen displays</li><li>• High resolution graphics displays for content presentation</li><li>• Option to zoom video to fit the 16:9 display</li></ul>
Video Error Concealment	<ul style="list-style-type: none"><li>• Reduced video drop-out on busy IP networks and the Internet</li><li>• Smooth, continuous video without interruptions</li><li>• Maintain active face-to-face contact</li><li>• Accomplish meeting objectives without worrying about the video integrity</li><li>• Activates automatically, only when needed</li></ul>

## Content Sharing

People+Content™, H.239	<ul style="list-style-type: none"><li>• Polycom People+Content or standards based H.239 to insure interoperability</li><li>• Dual images allows the far end to see the content and the speaker at the same time</li><li>• Using Polycom's Visual Concert VSX, easily attach a laptop and display PC content (audio and video) during a video call</li><li>• Perfect for outside speakers/visitors to easily add content to a video conference</li></ul>
People+Content IP	<ul style="list-style-type: none"><li>• Using a light utility on your PC, simply connect to your V500 and PC content is shown to all conference participants</li><li>• This feature can be used by anyone in the conference, even remote voice-only participants!</li></ul>
Adjustable Bandwidth for Content	<ul style="list-style-type: none"><li>• Choose variable bandwidth allocated to People or Content</li><li>• Allows setting quality preference of a 90% / 10% split between People and Content or sharing bandwidth equally between People and Content (50% / 50%)</li><li>• User adjustable setting can be accessed both during a call and outside of a call</li></ul>

## User Interface

Support for API Control Commands	<ul style="list-style-type: none"><li>• Custom control touch panel integration including AMX<sup>®</sup> or Crestron<sup>®</sup> is made easy with extensive support for API command set</li><li>• Integrator's Reference Manual for VSX Series details over 200 commands for special applications</li><li>• Sample control templates are available for touch panel integration that provides basic functionality right out of the box</li></ul>
Calendar & Call Scheduler	<ul style="list-style-type: none"><li>• Quick and easy access to a monthly calendar with current date and time posting</li><li>• Schedule individual or repeat meetings to dial automatically</li><li>• Create and save multipoint team meetings</li></ul>
Customizable Home Page	<ul style="list-style-type: none"><li>• Display only the necessary buttons on the Home Page</li><li>• Unique design to meet your organization's needs</li><li>• Simplified graphical interface for novice users</li><li>• Easy to understand icon driven menu navigation decreases learning curve</li><li>• Kiosk mode allows you to create a look and feel that suits your application</li><li>• Leads to increased use of video</li></ul>
Dual Monitor Emulation	<ul style="list-style-type: none"><li>• Use Dual Monitor Emulation for the most efficient use of a single display</li><li>• Makes effective use of 16:9 displays</li><li>• View near and far video windows at the same time</li><li>• Alternate layout views supporting near end, far end and content</li></ul>
User Selectable Camera Icons	<ul style="list-style-type: none"><li>• Use icons that represent your industry</li><li>• Intuitive icons match the input device</li><li>• Custom name gives the icon clear meaning</li><li>• Selection – 5 libraries to choose from</li><li>• Decreases learning curve</li></ul>
Display Configuration Choices	<ul style="list-style-type: none"><li>• Allows you to configure displays for your application</li><li>• Single or dual displays</li><li>• XGA or NTSC / PAL</li><li>• 4x3 or 16x9 formats</li><li>• Decide what shows on each display, near end, far end, content and VCR output</li></ul>

## Platform Versatility

Integration with Microsoft <sup>®</sup> Live Communications Server (LCS) via SIP	<ul style="list-style-type: none"><li>• Integrates directly with Microsoft collaboration infrastructure</li><li>• Registers and authenticates with Microsoft LCS 2005</li><li>• VSX users can be added to Microsoft Communicator</li><li>• Presence information sent to LCS indicating video buddies' availability</li><li>• Use Buddy list to launch calls from the VSX 5000 user interface</li></ul>
Multiple cameras supported	<ul style="list-style-type: none"><li>• Provides flexibility and choice</li><li>• Second camera can be easily added, and selected in the user interface</li><li>• Add document camera, VCR/DVD or any other second video source to bring another dimension to any video conference</li></ul>
Secure FTP, Telnet and Web	<ul style="list-style-type: none"><li>• VSX systems are the most secure video conferencing solutions in the industry</li><li>• 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</li></ul>
Advanced Encryption Standard (AES)	<ul style="list-style-type: none"><li>• Communications are confidential and secure</li><li>• Authentication by the National Institutes of Standards means it's credible</li></ul>

	<ul style="list-style-type: none"> <li>• Built-in, no extra hardware required</li> </ul>
H.460 NAT/Firewall Traversal	<ul style="list-style-type: none"> <li>• Standards compliance for traversing NATs and Firewalls</li> <li>• Session border controller (V2IU) is only needed at the central location and all VSX systems with H.460 can communicate through the single V2IU</li> <li>• Uses H.460.18 for signaling traversal and call establishment and H.460.19 for media traversal</li> </ul>
IP (H.323, SIP or SCCP) or ISDN	<ul style="list-style-type: none"> <li>• H.323 and SIP are standard; choose the H.320 interface best for your application</li> <li>• SCCP – integration with Cisco Call Manager (in 128 MB systems)</li> <li>• Choose the right option for your specific network connection</li> <li>• Supports UPnP and NAT for automatic setup of conferences conducted through firewalls</li> <li>• Wide range of IP QoS services to insure call quality and integrity</li> <li>• Optional H.320 interface is a Quad BRI module</li> </ul>
Multiple Use RS-232 Port	<ul style="list-style-type: none"> <li>• RS-232, DB9 port</li> <li>• Transparent data pass-thru in H.320 or H.323</li> <li>• Peripheral options from Polycom Custom Products</li> </ul>
E-Mail dialing format when dialing across IP security boundaries	<ul style="list-style-type: none"> <li>• Easy and intuitive E-mail video dialing</li> <li>• Operates with Polycom's V2IU™ Firewall Traversal Appliance</li> <li>• Deployable to wide range of customers, suppliers and partners</li> </ul>
<b>Interoperability</b>	
Part of Polycom's Unified Collaborative Communications	<ul style="list-style-type: none"> <li>• Remote management through Global Management System™</li> <li>• MGC Click &amp; View™ offers a variety of layout templates for a multi-point call right from the system's handheld remote</li> <li>• Extended conferencing with Polycom PathNavigator™</li> <li>• Schedule, invite participants and manage conferences easily with Polycom Conference Suite</li> <li>• Expand meeting capabilities by adding voice-only participants using the SoundStation VTX 1000 conference phone</li> <li>• Use the Polycom SE200 for management, scheduling and gatekeeping</li> </ul>
Configurable MTU packet size	<ul style="list-style-type: none"> <li>• Allows administrators to set the MTU packet size, based on needs of their network</li> <li>• Optimizes packet size minimizing overhead and network congestion</li> <li>• Default setting is 1260</li> </ul>
Standards-based	<ul style="list-style-type: none"> <li>• Solid, reliable platform</li> <li>• Qualified by independent test labs</li> <li>• Interoperates with other vendor's systems</li> <li>• Easy to install even in a multi-vendor environment</li> <li>• See technical specifications for full list of standards</li> </ul>
FIPS 140-2 Certified	<ul style="list-style-type: none"> <li>• Secure FTP, Telnet and Web</li> <li>• VSX and V-series systems are the most secure video conferencing solutions in the industry</li> <li>• 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</li> </ul>
Baseline Mode	<ul style="list-style-type: none"> <li>• Set your system to baseline mode, H.261 and G.711, for maximum interoperability with legacy video conferencing systems</li> <li>• Accessible via web, FTP or on-screen UI for easy access by the network administrator</li> <li>• Can be turned on and off as needed</li> </ul>