

# Polycom® VSX™ 7000s

## Features and Benefits



	Audio
G.722.1 Annex C (based on Polycom Siren™ 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 system</li><li>• For more detailed information, see <a href="http://www.polycom.com/siren14">www.polycom.com/siren14</a></li></ul>
Polycom StereoSurround™	<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® 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>
Integrated Hi-Fidelity Sound System	<ul style="list-style-type: none"><li>• Eliminates reliance on TV speakers which deliver sub-par quality</li><li>• Includes mid-range speaker and external subwoofer</li><li>• Rich, deep bass and broad audio range</li><li>• Small, compact form factor</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 countries.  
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 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	<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>
S 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>
Loss Packet Recovery (LPR)	<ul style="list-style-type: none"><li>• Communications remain intact even on disruptive networks</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 of public or private networks</li><li>• Activates automatically and 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>
Dedicated VCR/DVD Connection	<ul style="list-style-type: none"><li>• Easily play VCR/DVD movies/images during a video conference</li><li>• Adds another dimension to the conference, making it like "being there"</li></ul>
Multiple Content Sources	<ul style="list-style-type: none"><li>• Second camera source (i.e. doc camera/VCR/DVD) images can be seen as content, along with people</li><li>• Now all sources of content (PC, 2<sup>nd</sup> camera, VCR, etc.) show up on the second display – they never displace the person/group speaking</li></ul>

	<ul style="list-style-type: none"> <li>• Supplement video conference with multiple types of content including pictures, documents, audio files, presentations</li> </ul>
	<h3>User Interface</h3>
Support for API Control Commands	<ul style="list-style-type: none"> <li>• Custom control touch panel integration including AMX® or Crestron® 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</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 or VCR output</li> </ul>
	<h3>Platform Versatility</h3>
Integration with Microsoft® 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>• You can use your Buddy list to launch calls from the VSX 7000s user interface</li> </ul>
Supports up to (3) Microphone Arrays	<ul style="list-style-type: none"> <li>• Maximum coverage for extended rooms</li> <li>• Polycom StereoSurround with 1 up to all 3 microphone arrays</li> <li>• Great audio pickup from every corner of the room</li> <li>• Each participant is near a microphone</li> <li>• Pin-point accuracy on the active speaker with multiple microphone arrays</li> <li>• Ceiling Microphone Array can be seamlessly incorporated; provides coverage up to 2100 square feet</li> </ul>
Internal Multipoint Software	<ul style="list-style-type: none"> <li>• Optional upgrade easily done with a software key</li> <li>• Conduct meetings beyond just point-to-point</li> <li>• Increase productivity by including key people on the call</li> </ul>

	<ul style="list-style-type: none"> <li>• Adding sites during a call can lead to quick decision making</li> <li>• Support up to 4 video and 1 voice call per system in a single 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>• Credibility via authentication by the National Institutes of Standards</li> <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), ISDN or Serial Connectivity	<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 interfaces include Quad BRI, PRI, V.35, RS-449 and RS-530</li> </ul>
Multiple Use RS-232 Port	<ul style="list-style-type: none"> <li>• RS-232 port</li> <li>• Camera control, Polycom or others</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 multipoint call right from the system's handheld remote</li> <li>• Expand the audience over audio and video with an MGC™ bridge</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>
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 specification for complete 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>

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#### 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