

# Polycom<sup>®</sup> HDX Series

## Features and Benefits



### Audio

Polycom StereoSurround™	<ul style="list-style-type: none"> <li>• 2 channels of 22 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 location of speaker, just like in a real meeting</li> </ul>
Polycom HDX 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 HDX 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>

### Video

True High Definition Video (HDX 9002 & 9004)	<ul style="list-style-type: none"> <li>• True High Definition video with 720P (1280 x 720) video resolution</li> <li>• 30 fps</li> <li>• 1 Mb and above</li> <li>• High quality video below 1 Mbps</li> </ul>
Standard Definition Video (HDX 9001)	<ul style="list-style-type: none"> <li>• 4CIF video resolution at 30 fps</li> </ul>
Polycom Eagle-Eye Camera	<ul style="list-style-type: none"> <li>• 60 fps video capture</li> <li>• 16:9 aspect ratio</li> <li>• 72 degree field of view</li> <li>• 270+ degree panning radius</li> </ul>
Video Error Concealment	<ul style="list-style-type: none"> <li>• Reduced video drop-out on busy IP networks</li> <li>• Smooth, continuous video without interruptions</li> <li>• Maintain active face-to-face contact</li> <li>• Accomplish meeting objectives without worrying about video integrity</li> <li>• Activates automatically, only when needed</li> </ul>

### Content Sharing

People+Content™, H.239	<ul style="list-style-type: none"> <li>• People and Content both shared in High Definition at supported bandwidths (HDX 9002 &amp; 9004)</li> <li>• Polycom People+Content or standards based H.239 ensures interoperability in the industry</li> <li>• Dual images allows the far end to see the presentation and the speaker at the same time</li> </ul>
People+Content IP	<ul style="list-style-type: none"> <li>• Simply input the IP address of your HDX 9000s into a small utility and PC content is easily shown to all conference participants</li> <li>• This feature can be used by anyone in the conference, even voice-only participants!</li> </ul>
People on Content™	<ul style="list-style-type: none"> <li>• Optional feature allows for users to become part of their presentations</li> <li>• Using chroma key technology, users can place themselves in front of any HDX video input source.</li> </ul>
Adjustable Bandwidth for Content	<ul style="list-style-type: none"> <li>• Choose the amount of bandwidth to dedicate to Content or People</li> <li>• Options include 90% Content/ 10% People; 50% Content/ 50%</li> </ul>

	<ul style="list-style-type: none"> <li>• People; 10% Content/ 90% People</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>• Ability to use line level inputs for other devices</li> <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> <li>• By setting it to content input you can see both the speaker and the DVD/VCR image</li> </ul>
Multiple HD Content Sources	<ul style="list-style-type: none"> <li>• Multiple video inputs can be selected as “Content” sources. These sources are also HD capable.</li> </ul>

### User Interface

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 HDX 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>
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>• 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>• 4 display support (9004) or 3 display support (9001 &amp; 9002)</li> <li>• HD, XGA or NTSC / PAL</li> <li>• Decide what shows on each display, near end, far end, or content</li> </ul>

### Platform Versatility

Supports up multiple Microphone Arrays	<ul style="list-style-type: none"> <li>• Maximum coverage for extended rooms</li> <li>• Polycom StereoSurround support makes installing stereo even easier</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 40ft in diameter</li> </ul>
Internal Multipoint Software	<ul style="list-style-type: none"> <li>• Optional upgrade easily enabled 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> <li>• Adding sites during a call can lead to quick decision making</li> <li>• Supports up to 4 or 8 video calls 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>• Authentication by the National Institutes of Standards means it's credible</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>IP is standard and you choose the H.320 interface best for your application</li> <li>Choose the right option for your specific network connection</li> <li>SCCP – integration with Cisco Call Manager (in 128 MB systems)</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>Integrate easily with control panels.</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>Video recording, streaming and archiving with the Polycom RSS 2000™.</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> </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>