



# Polycom® HDX 4000 Series

## Features and Benefits

### Audio

Polycom 22 kHz 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 which side of the room people are talking from, just like in a real meeting</li></ul>
Audio Error Concealment	<ul style="list-style-type: none"><li>• Eliminates audio drop-outs 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>
Flexibility of headset	<ul style="list-style-type: none"><li>• Use headset with microphone for complete privacy</li><li>• 3.5mm jack built-in for headset or headphone</li></ul>
Built-in stereo speakers	<ul style="list-style-type: none"><li>• Powerful sound from built-in speakers offering rich fidelity from 100 Hz to 22 kHz</li></ul>
Integrated desk phone	<ul style="list-style-type: none"><li>• Your video device can be used as fully-functional speakerphone</li><li>• VoIP or analog high quality speakerphone</li></ul>

### Video

True High Definition Video	<ul style="list-style-type: none"><li>• Natural high definition during video call</li><li>• Reduce the technology barriers by seeing people and content in HD resolution</li><li>• 720p (1- 4 Mbps)</li><li>• 480p (256 – 768 Kbps)</li></ul>
Embedded HD camera	<ul style="list-style-type: none"><li>• Camera is positioned in bezel of monitor for improved visual acuity</li><li>• Electronic pan-tilt-zoom allows for flexibility</li><li>• 16:9 aspect ratio gives a natural viewing angle</li><li>• 65° field of view allows for a team view in front of the camera</li><li>• Privacy shutter</li></ul>
Polycom Extreme HD LCD	<ul style="list-style-type: none"><li>• 20.1" high definition LCD for increased desktop landscape</li><li>• Multiple resolutions supported, 1600x1200, 1680x1050, 1600x1000, 1400x1050, 1344x1008, 1344x840, 1280x1024, 1280x960, 1280x800, 1280x720, 1024x768, 800x600</li><li>• High resolution for split screen video and graphics</li></ul>
Lost Packet Recover (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, only when needed</li></ul>
Dual Monitor Emulation	<ul style="list-style-type: none"><li>• Most efficient use of a single LCD 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 in native aspect ratio and resolutions</li></ul>

## Content Sharing

People+Content™, H.239	<ul style="list-style-type: none"><li>• People and Content both shared in High Definition</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><li>• One touch sharing directly from keypad</li><li>• People+Content Receive (included)</li><li>• People+Content Send (optional)</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 the PC video input source.</li><li>• Perfect for distance education and training</li><li>• Retain attention, increase productivity</li></ul>
Adjustable Bandwidth for Content	<ul style="list-style-type: none"><li>• Flexibility to choose the amount of bandwidth to dedicate to Content or People based upon what is being shown</li><li>• Options include 90% Content/ 10% People; 50% Content/ 50% People; 10% Content/ 90% People</li><li>• System will automatically adjust bandwidth allocation when sharing content based upon content being shown</li><li>• Very powerful for users who share a wide range of content during a video call</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 via IP port 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>
Non-disruptive Desktop	<ul style="list-style-type: none"><li>• Video UI "floats" on top of PC screen when activated</li><li>• View desktop applications during a video call</li></ul>
Multiple resolutions supported	<ul style="list-style-type: none"><li>• 12 input video resolutions supported for local display of content</li></ul>

## Platform Versatility

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><li>• Adding sites during a call can lead to quick decision making</li><li>• Supports up to 4 video or audio calls in a single conference</li></ul>
Secure FTP, Telnet and Web	<ul style="list-style-type: none"><li>• Polycom video systems are the most secure video conferencing solutions in the industry</li><li>• All access to the HDX system can be secured including accessing the HDX 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), 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>• 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>
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### Interoperability

Part of Polycom's Unified Collaborative Communications	<ul style="list-style-type: none"> <li>• Remote management, scheduling and gatekeeping functionality available with ReadManager SE200</li> <li>• Expand the audience over audio and video with an RMX™ bridge</li> <li>• RMX Click &amp; View™ offers a variety of layout templates for multipoint call right from the system's handheld remote</li> <li>• Video recording, streaming and archiving with the Polycom RSS 2000™ and VMC 1000</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>

### Technical Documentation

Award winning documentation	<ul style="list-style-type: none"> <li>• Documentation set includes information about setting up, maintaining, and using the system</li> <li>• Available at <a href="http://www.polycom.com/videodocumentation">www.polycom.com/videodocumentation</a></li> <li>• Searchable PDFs with colorful illustrations</li> <li>• Administrators Guide, User's Guide, and Quick Tips available in most supported languages</li> </ul>
Setup Sheets	<ul style="list-style-type: none"> <li>• Easy-to-follow graphical instructions for setting up the system and peripherals</li> <li>• Illustrations show both minimal and optional system configurations</li> <li>• Shipped with the system for easy access</li> </ul>
Administrator's Guide	<ul style="list-style-type: none"> <li>• Comprehensive information for configuring system, including an explanation of each administrator setting</li> <li>• Descriptions of system features and capabilities</li> <li>• Back panel diagrams of all systems with explanations of each connector</li> <li>• Instructions for using the web interface</li> </ul>
User Documents	<ul style="list-style-type: none"> <li>• Quick Tips one-page document provides quick and easy reference for video conferencing tasks</li> <li>• User's Guide covers everything you need to know about using the system in a video conference</li> <li>• Customizable User's Guide allows you to include your help desk information specific to your environment</li> </ul>

For additional information, please visit [www.polycom.com](http://www.polycom.com)