



Polycom® HDX 9000 Series

Features and Benefits

Audio

Polycom StereoSurround™	<ul style="list-style-type: none"> • 2 channels of 22 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
Polycom HDX 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 HDX microphone array needed to support StereoSurround • Gated enhanced stereo pickup • Four (4) microphone arrays supported
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 • Keyboard noise reduction eliminates annoyance of keyboard typing

Video

True High Definition Video (HDX 9002 & 9004)	<ul style="list-style-type: none"> • True High Definition video with 720p (1280 x 720) video resolution at 30 fps at data rates from 1Mbps and above • Experience superb video at any data rate, including 4CIF from 256Kbps – 768Kbps • See every nuance, every color and every facial expression in high definition – taking video meetings to a new level of productivity
Standard Definition Video (HDX 9001)	<ul style="list-style-type: none"> • 4CIF video resolution at 30 fps • Experience four times the video quality at any bandwidth compared to non-HD video conferencing systems
Polycom Eagle-Eye Camera	<ul style="list-style-type: none"> • Crisp, clear color • Natural motion handling and smooth camera movement • See every person, image and even clear writing on a white board with 12x zoom • Capture 20% more of the room with a natural 16:9 aspect ratio
Video Error Concealment	<ul style="list-style-type: none"> • Reduced video drop-out on busy IP networks • 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
Lost Packet Recover (LPR) and Dynamic Bandwidth Allocation	<ul style="list-style-type: none"> • The best Quality of Service (QoS) for IP conferencing, making packet loss on IP networks virtually undetectable by the user • Dynamic Bandwidth Allocation optimizes bandwidth in every call • Applies to the video, voice and content in any HDX call bringing the user an exceptional picture even on “dirty” networks

Content Sharing

People+Content™, H.239	<ul style="list-style-type: none">• People and Content both shared in High Definition at supported bandwidths (HDX 9002 & 9004)• Polycom People+Content or standards based H.239 ensures interoperability in the industry• Dual images allows the far end to see the presentation and the speaker at the same time
People+Content IP	<ul style="list-style-type: none">• Simply input the IP address of your HDX 9000 into a small utility and PC content is easily shown to all conference participants• This feature can be used by anyone in the conference, even voice-only participants!
People On Content™	<ul style="list-style-type: none">• Optional feature allows for users to become part of their presentations• Using chroma key technology, users can place themselves in front of any HDX video input source.• Become part of your presentation and engage your audience like never before!
Adjustable Bandwidth for Content	<ul style="list-style-type: none">• Choose the amount of bandwidth to dedicate to Content or People• Options include 90% Content/ 10% People; 50% Content/ 50% People; 10% Content/ 90% People• User adjustable setting can be accessed both during a call and outside of a call
Dedicated VCR/DVD Connection	<ul style="list-style-type: none">• Ability to use line level inputs for other devices• Easily play VCR/DVD movies/images during a video conference• Adds another dimension to the conference, making it like “being there”• By setting it to content input you can see both the speaker and the DVD/VCR image
Multiple HD Content Sources	<ul style="list-style-type: none">• Multiple video inputs can be selected as “Content” sources. These sources are also HD capable.

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 HDX 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
Dual Monitor Emulation	<ul style="list-style-type: none">• Use Dual Monitor Emulation for the most efficient use of a single display• 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• 4 display support (9004) or 3 display support (9001 & 9002)• HD, XGA or NTSC / PAL• Decide what shows on each display, near end, far end, or content

Platform Versatility

Supports up to 4 HDX Microphone Arrays	<ul style="list-style-type: none"> • Maximum coverage for extended rooms • Polycom StereoSurround support makes installing stereo even easier • Great audio pickup from every corner of the room • Each participant is near a microphone • Pin-point accuracy on the active speaker with multiple microphone arrays
Internal Multipoint Software	<ul style="list-style-type: none"> • Optional upgrade easily done with a software key • Conduct meetings beyond just point-to-point • Increase productivity by including key people on the call • Adding sites during a call can lead to quick decision making • Supports up to 4 or 8 (HDX 9004) video calls in a single conference • High definition continuous presence supported on HDX 9002/4
Secure FTP, Telnet and Web	<ul style="list-style-type: none"> • Polycom video systems are the most secure video conferencing solutions in the industry • 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
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 • 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), ISDN or Serial Connectivity	<ul style="list-style-type: none"> • IP is standard and you choose the H.320 interface best for your application • 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 interfaces include Quad BRI, PRI, V.35, RS-449 and RS-530
Multiple Use RS-232 Port	<ul style="list-style-type: none"> • RS-232 port (2 ports on HDX 9004) • Integrate easily with control panels.
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, scheduling and gatekeeping functionality available with ReadManager SE200 • Expand the audience over audio and video with an RMX™ bridge • RMX Click & View™ offers a variety of layout templates for multipoint call right from the system's handheld remote • Video recording, streaming and archiving with the Polycom RSS 2000™ and VMC 1000
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
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