Polycom® HDX Series
Features and Benefits

Audio

Polycom StereoSurround™	• 2 channels of 22 kHz crystal clear audio • Superb clarity to hear the subtleties of every word • Easily decipher multiple, simultaneous conversations • Distinguish location of speaker, just like in a real meeting
Polycom HDX Microphone Array	• 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
Audio Error Concealment	• Reduced audio drop-out on noisy networks • Smooth, consistent verbal communications without interruptions • Corrects audio from any system seamlessly • Activates automatically, only when needed

Video

True High Definition Video (HDX 9002 & 9004)	• True High Definition video with 720P (1280 x 720) video resolution • 30 fps • 1 Mb and above • High quality video below 1 Mbps
Standard Definition Video (HDX 9001)	• 4CIF video resolution at 30 fps
Polycom Eagle-Eye Camera	• 60 fps video capture • 16:9 aspect ratio • 72 degree field of view • 270+ degree panning radius
Video Error Concealment	• 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 video integrity • Activates automatically, only when needed

Content Sharing

People+Content™, H.239	• 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	• Simply input the IP address of your HDX 9000s 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™	• 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.
Adjustable Bandwidth for Content	• Choose the amount of bandwidth to dedicate to Content or People • Options include 90% Content/ 10% People; 50% Content/ 50%

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	People; 10% Content/ 90% People
	• User adjustable setting can be accessed both during a call and outside of a call
Dedicated VCR/DVD Connection	• 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	• Multiple video inputs can be selected as "Content" sources. These sources are also HD capable.

User Interface

Support for API Control Commands	• 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	• 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	• 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	• 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 multiple Microphone Arrays	• 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
	• Ceiling Microphone Array can be seamlessly incorporated; provides coverage up to 40ft in diameter
Internal Multipoint Software	• Optional upgrade easily enabled 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 video calls in a single conference
Secure FTP, Telnet and Web	• VSX systems are the most secure video conferencing solutions in the industry
	• 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
Advanced Encryption Standard (AES)	• 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	• 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 or SCCP), ISDN or Serial Connectivity	• IP is standard and you choose the H.320 interface best for your application • Choose the right option for your specific network connection • SCCP – integration with Cisco Call Manager (in 128 MB systems) • 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	• RS-232 port • Integrate easily with control panels.
E-Mail dialing format when dialing across IP security boundaries	• 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	• Remote management through Global Management System™ • MGC Click & View™ offers a variety of layout templates for multipoint call right from the system's handheld remote • Expand the audience over audio and video with an MGC™ bridge • Extended conferencing with Polycom PathNavigator™ • Schedule, invite participants and manage conferences easily with Polycom Conference Suite • Video recording, streaming and archiving with the Polycom RSS 2000™. • Use the Polycom SE200 for management, scheduling and gatekeeping
Standards-based	• 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	• 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