

# ► HDX Features and Benefits

## Polycom® HDX™ Room Telepresence Series



### Audio

Polycom 22 kHz StereoSurround™

Audio Error Concealment

Multiple Audio Inputs

Multiple Microphone Arrays

### Benefits

- 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 a real meeting
- Eliminates audio drop-outs on noisy networks
- Smooth, consistent verbal communications without interruptions
- Corrects audio from any system seamlessly
- Activates automatically, only when needed
- Audio inputs for PC (All HDX) aux audio or VCR/DVD (HDX 7000, 8000 & 9000)
- Supports medium to large rooms with multiple microphone arrays (HDX 7000, 8000 & 9000)

### Video

True High Definition Video

Polycom EagleEye™ II Camera

Polycom EagleEye™ Camera

- Natural high definition during video call and superb video at any data rate
- Reduce the technology barriers by seeing people and content in HD resolution
- 1080p (starting from 1024 kbps)\*
- 720p60 (from 832 kbps)\* / 720p30 (from 512 kbps)
- 4C/SIF30 (from 128 kbps) | 4C/SIF60 (from 512 kbps)\*
- 1080/720p30/60
- 1/3 2 MP CMOS Imager
- 70 deg FOV at min zoom
- 10x optical zoom
- 720p30/60
- 72 degree field of view
- 270+ degree panning radius
- 12X optical zoom

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Polycom EagleEye™ View Camera

- 1080/720p30/60
- 10 MP CMOS Imager
- Electronic PTZ
- 55 degree field of view
- 4X digital zoom

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Polycom Lost Packet Recovery™ (LPR)

- Communications remain intact even on disruptive networks
- Smooth, continuous video without interruptions
- Maintain active face-to-face contact
- Accomplish meeting objectives without worrying about the video integrity of public or private networks
- Activates automatically, only when needed

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Dual Monitor Emulation

- 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 in native aspect ratio and resolutions

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Dedicated DVD/VCR Connection  
(HDX 7000, 8000 & 9000)

- Ability to use line level inputs for other devices
- Easily play movies/images during a video conference
- Adds another dimension to the conference, making it like “being there”
- By setting it to “content” input see both the speaker and the DVD/VCR image

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Additional HD Capable Video Source

- Secondary HD video input allows for another HD camera, document camera or other HD device to be included in any video conference as a “People” or “Content” source.

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## Content Sharing

People+Content™, H.239

- Maintain eye-contact with far end - dual images allows far end to see presentation and speaker at the same time
- People and Content both shared in High Definition at full-frame rates
- Polycom People+Content or standards based H.239 ensures fully interoperability

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People on Content™  
(HDX 8000 & 9000)

- Unique feature allows users to become part of their presentations
- Using chroma-key technology, users can place themselves in front of the PC video input source.
- Perfect for distance education and training
- Retain attention, increase productivity

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Adjustable Bandwidth for Content

- Flexibility to choose the amount of bandwidth to dedicate to Content or People based upon what is being shown
  - Options include 90% Content / 10% People; 50% Content / 50% People; 10% Content / 90% People
  - System will automatically adjust bandwidth allocation when sharing content based upon content being shown
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- Very powerful for users who share a wide range of content during a video call
- User adjustable setting can be accessed both during a call and outside of a call

## User Interface

Support for API Control Commands  
(HDX 8000, 9000)

- 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

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

Customizable Home Screen

- Users have the ability to customize home screen to have a unified experience throughout an organization

Calendaring

- Invite people and video systems to a meeting through the integration of Microsoft Outlook™
- The HDX UI has meeting information conveniently located on-screen to make joining a meeting easier

## Platform Versatility

Internal Multipoint Software  
(HDX 7000, 8000 & 9000)

- 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 video calls in a single conference

Secure Web

- 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 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 (VBP) is only needed at the

central location and all VSX systems with H.460 can communicate through the single VBP

- Uses H.460.18 for signaling traversal and call establishment and H.460.19 for media traversal
- 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 (HDX 8000 & 9000)

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IP (H.323 or SIP), ISDN or Serial Connectivity

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Multiple Use RS-232 Port (HDX 7000, 8000 & 9000)

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Microsoft® OCS™ 2007 Integration

- RS-232 port
- Integrate easily with control panels (HDX 8000 & 9000) or use for data pass-through for third-party devices.
- Full integration with OCS allows endpoints to join “buddy” lists and participate in ad-hoc conferences
- One-click connectivity
- Presence capabilities allows users to see if video endpoints are currently in a call or available

## Interoperability

Part of Polycom's Unified Collaborative Communications

- Remote management and scheduling through CMA 4000 or 5000
- RMX Click & View™ offers a variety of layout templates for multipoint call right from the system's handheld remote
- Play, stop, record, rewind and fast forward video recordings with the RSS 2000 using the HDX remote control
- Expand the audience over audio and video with an RMX™ bridge
- Video recording, streaming and archiving with the Polycom RSS 2000™.

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Standards-based

- Solid, reliable platform
- Qualified by independent test labs
- Interoperates with other standards-based systems in the industry
- Easy to install even in a multi-vendor environment

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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
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## Technical Documentation

### Award Winning Documentation

- Documentation set includes information about setting up, maintaining, and using the system
- Available at [www.polycom.com/videodocumentation](http://www.polycom.com/videodocumentation)
- Searchable PDFs with colorful illustrations
- Administrators Guide, User's Guide, and Quick Tips available in most supported languages

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### Setup Sheets

- Easy-to-follow graphical instructions for setting up the system and peripherals
- Illustrations show both minimal and optional system configurations
- Shipped with the system for easy access

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### Administrator's Guide

- Comprehensive information for configuring system, including an explanation of each administrator setting
- Descriptions of system features and capabilities
- Back panel diagrams of all systems with explanations of each connector
- Instructions for using the web interface

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### User Documents

- Quick Tips one-page document provides quick and easy reference for video conferencing tasks
  - User's Guide covers everything you need to know about using the system in a video conference
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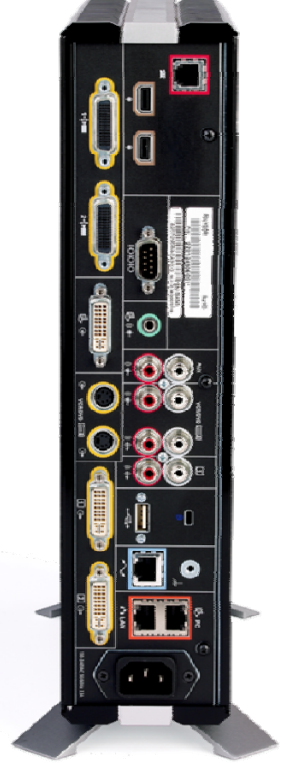
**HDX 6000**



**HDX 7000**



**HDX 8000**



**HDX 9000**

