

▶ Polycom® HDX™ 8000 Series

Flexible-high definition video, voice,
and content communication



High-definition visual communication solution for
conference rooms, classrooms and meeting places worldwide.

For organizations migrating to high-definition video and audio communication, Polycom HDX 8000 Series systems provide a flexible and robust solution ideally suited for distance education, remote patient care, on-demand project collaboration and more.

Precisely Engineered for Superior Clarity

The clarity of Polycom HDX 8000 Series systems enables users to interact over video freely and naturally, and with the HDX 8000 Series systems' embedded multipoint and content-sharing capabilities, remote team members can quickly and easily be brought together collaborate on projects visually in this superior telepresence solution.

Designed to high-definition broadcast standards, Polycom HDX 8000 Series systems solutions utilize Polycom HD Voice™ technology to convey distortion-free voices and sounds, while Polycom StereoSurround audio technology separates room sounds into left and right channels, giving an immediate sense of the physical location of opposite-end participants.

Rich-Media Presentations Made Easy

For media-rich group presentations, Polycom HDX 8000 Series systems enable users to display rich-media content and data easily, enhancing collaboration and audience participation. And utilizing Polycom HDX 8000 Series systems in tandem with Polycom's unique People On Content™ collaboration technology allows presenters to insert their video images into projected content to explain key elements more clearly.

Polycom HDX 8000 Series systems are a key element of the total Polycom visual communication solution, which includes seamless integration with the Polycom RMX® 2000 or RMX 4000 conference platforms, Polycom Converged Management Application® Series for management and scheduling, or the Polycom SoundStation® IP 7000 conference phone for an integrated voice and video experience.

Find Out More

Learn what the Polycom HDX 8000 series can do for your organization. Visit us at www.polycom.com or contact your Polycom representative.

Benefits

- ▶ High Definition Video – Up to 1920 x 1080 (1080p30) or 1280 x 720 (720p60) resolution for excellent video quality at all data rates
- ▶ High Definition Voice – Polycom Siren™ 22 and Polycom StereoSurround™ technology for powerful, superior room-filling audio performance
- ▶ High Definition Content Sharing – Clarity and ease of sharing multimedia content from video to slide presentations in crisp high-definition
- ▶ Flexible Furniture Solutions – Stunning high-definition displays, powerful audio output and stylish design available in optional packaged furniture solutions

Polycom® HDX™ 8000 Series Specifications

Package Includes:

- Polycom EagleEye™ or EagleEye 1080 camera, codec, HDX Microphone Array, 6 Mbps point-to-point, People+Content™, People+Content IP, People on Content™, cables and remote control

Video Standards and Protocols

- H.264, H.264 High Profile, H.263++, H.261
- H.239 / Polycom People+Content
- H.263 & H.264 Video error concealment

Video Input

- 2 x EagleEye HD camera
- 1 x S-Video
- 1 x DVI-I

Video Out

- 2 x DVI-I HD video out
- 1 x S-Video

People Video Resolution

- 720p, 30 fps from 512 Kbps
- 720p, 60 fps from 832 Kbps
- 1080p, 30 fps from 1024 Kbps
- 4SIF/4CIF, 30 fps from 128 Kbps
- 4SIF/4CIF, 60 fps from 512 Kbps
- SIF (352 x 240), CIF (352 x 288)
- QSIF (176 x 120), QCIF (176 x 144)

Content Video Resolution

- Input: WSXGA+ (1680 x 1050), SXGA (1280 x 1024), HD (1280 x 720), XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480)
- Output: 720p (1280 x 720), 1080 (1920 x 1080), XGA (1024 x 768), SVGA (800 x 600)
- Content Frame Rate: 30 fps
- Content Sharing: People+Content™, People on Content™ and People+Content IP

Camera

- Polycom EagleEye camera
 - 1280 x 720p CCD imager
 - 12X optical zoom
 - 72° FOV min
- Polycom EagleEye 1080 Camera
 - 1920 x 1080 CMOS imager
 - 10X optical zoom
 - 70° FOV min

Audio Input

- 3 HDX microphone arrays supported
- 1x Line-level stereo in (RCA)
- 1 x 3.5mm stereo mini (PC Audio)
- 1 x VCR / DVD stereo audio-in (RCA)



Audio Standards and Protocols

- Polycom StereoSurround™
- 22 kHz bandwidth with Polycom Siren™ 22
- 14 kHz bandwidth with Polycom Siren 14, G.722.1 Annex C
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711, G.728, G.729A
- Automatic gain control
- Automatic noise suppression
- Keyboard noise reduction
- Live music mode
- Instant adaptation echo cancellation
- Audio error concealment

Other ITU-Supported Standards

- H.221, H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.331, H.239, H.231, H.243, H.460, BONDING, Mode 1

Network

- Polycom iPriority™ for QoS
- Interfaces
 - 2-port 10/100 auto NIC switch (RJ45)
- H.323 and/or SIP up to 6 Mbps
- Polycom Lost Packet Recovery™ (LPR™)
- Reconfigurable MTU size (IP only)
- RS232
 - Camera control
 - Data pass-through
 - Audio mixer control
 - Full serial API support
- H.320 (optional)
 - ISDN Quad BRI, PRI T1 or E1
 - Serial (RS449, V.35 RS530 with RS366 dialing)
 - Auto SPID detection and line number configuration
- 1 x Analog phone interface (POTS)
- Microsoft® Office Communications Server 2007 integration

User Interface

- Directory services
- System management
 - Web-based

- SNMP

- Polycom Converged Management Application™ (CMA™)
- CDR
- International languages (17)
- Wildcard language tool
- USB software update

Security

- Secure Web
- Security mode
- AES FIPS 197, H.235V3 and H.233/234
- FIPS 140-2 Validation Certificate (#918)
- IPv6 (DISA)
- www.polycom.com/govcerts
- Secure password authentication

Options

- Polycom EagleEye View camera
- MPPlus software for up to 4 sites (HDCCP)
- Network interfaces modules
- IP 7000 speakerphone integration
- Polycom HDX Media Center options
- Polycom SoundStructure™

Electrical

- Auto sensing power supply
- Typical operating voltage/power
 - 189VA @ 115V @ 60 Hz @ .67 PF
 - 192VA @ 230V @ 60 Hz @ .66 PF
 - 196VA @ 230V @ 50 Hz @ .65 PF

Environmental Specification

- Operating temperature: 0—40°C
- Operating humidity: 10—80%
- Non-operating temperature: -40°—70°C
- Non-operating humidity (non-condensing): 10—90%
- Maximum altitude: 10,000 feet

Physical Characteristics

- HDX 8000 base box with removable stand
 - 13.9" x 5.1" x 11" (H/W/D standing)

Warranty

- One-year return to factory parts and labor

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