Polycom® HDX® 8000 Series

Dramatically increase productivity and communication among project teams

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.

Enhancing collaboration with HD technology

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 to 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 rich-media group presentations, Polycom HDX 8000 series systems display dynamic content and data in HD to enhance collaboration and audience participation. With Polycom People+Content™ collaboration technology, users can share presentations and live video simultaneously, allowing conference participants to interact naturally and dynamically.

Polycom HDX 8000 series systems are a key element of the total Polycom visual communication solution, which includes seamless integration with the Polycom RMX® series conference platforms, as well as with Polycom Converged Management Application™ series for management and scheduling.

Benefits

- **High-definition video conferencing** – Natural communications up to 1920 x 1080 at 30 fps (1080p), with exceptional resolution even at lower data rates

- **High-definition voice** – Polycom Siren™ 22 and Polycom StereoSurround™ technologies 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

Package includes

- Polycom EagleEye III 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 IP, 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

- Resolutions supported:
  HD (1920 x 1080), 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: 5–30 fps
- Content Sharing: People+Content™ and People+Content IP

Camera

- Polycom EagleEye III Camera
- SMPTE 296M 1280 x 720p60 SMPTE 274M 1920 x 1080p, 60/50
- 12x optical zoom
- 72° FOV min

Audio input

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

Audio output

- 1 x stereo output (RCA)
- 1 x VCR / DVD stereo audio-out (RCA)

Audio standards and protocols

- Polycom StereoSurround™
- 22 kHz bandwidth with Polycom Siren™ 22 technology
- 14 kHz bandwidth with Polycom Siren 14 technology, 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

Polycom Constant Clarity™

- Automatic gain control
- Automatic noise suppression
- Keyboard noise reduction
- Live music mode
- Instant adaptation echo cancellation
- Audio error concealment
- Siren Lost Packet Recovery™ (LPR™)technology

Other 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
- BFCP (RFC 4562)
- TIP

Network

- Polycom iPriority™ for QoS
- 10/100 auto NIC (RJ45)
- Auto-MDIX
- H.323 and/or SIP up to 4 Mbps
- Polycom Lost Packet Recovery™ (LPR™) technology
- Reconfigurable MTU size (IP only)
- SIP Firewall Traversal (Acme Packet)
- 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
- Microsoft® Office Communications Server integration
- Microsoft® ICE support
- Micosoft® Lync™ support
- IBM® Sametime™ support

User interface

- Directory services
- System management
- Web-based
- SNMP
- Polycom Coverged Management Applications™ (CMA®) technology
- CDR
- International languages (16)
- 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 Touch Control
- Polycom EagleEye Director
- Polycom EagleEye View camera
- Polycom UC Board
- MPPlus software for up to 4 sites (HDCP)
- Network interface modules
- Polycom SoundStation IP 7000 speakerphone integration
- Polycom HDX Media Center options
- RTV/CCCP
- TIP

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
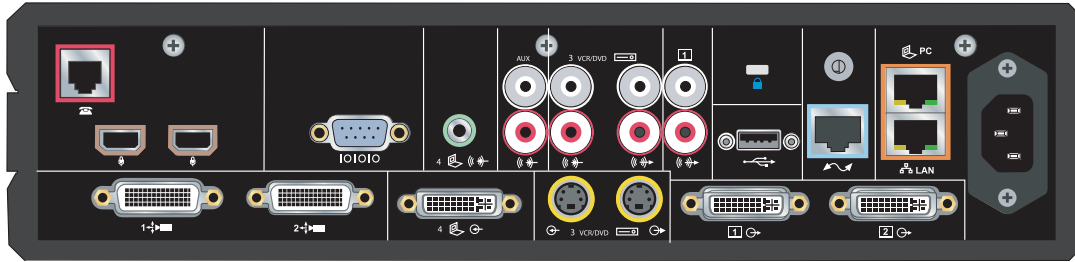
Environmental specification

- 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)
- 12 lbs (5.5 kg)

Warranty

- One-year return to factory parts and labor

Polycom® HDX® 8000 Series Rear Panel

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About Polycom

Polycom is the global leader in standards-based unified communications (UC) solutions for telepresence, video, and voice powered by the Polycom® RealPresence® Platform. The RealPresence Platform interoperates with the broadest range of business, mobile, and social applications and devices. More than 400,000 organizations trust Polycom solutions to collaborate and meet face-to-face from any location for more productive and effective engagement with colleagues, partners, customers, specialists, and prospects. Polycom, together with its broad partner ecosystem, provides customers with the best TCO, scalability, and security for video collaboration, whether on-premises, hosted, or cloud-delivered. Visit *www.polycom.com* or connect with Polycom on Twitter, Facebook, and LinkedIn.

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