



DATA SHEET

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® RealPresence® Collaboration Servers 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
- **Productive collaboration**—Whiteboarding software in the system allows users to collaborate quickly and easily with no PC required
- **Flexible furniture solutions**—Stunning high-definition displays, powerful audio output and stylish design available in optional packaged furniture solutions

Product specifications

Package includes

- Polycom® EagleEye™ III camera, codec, Polycom® HDX® Microphone Array, 6 Mbps point-to-point, Polycom® People+Content™, Polycom® 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 Polycom® 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

- 3 x 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
- Polycom® MusicMode™
- Instant adaptation echo cancellation
- Audio error concealment
- Polycom® Siren™ Lost Packet Recovery

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 6 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
- Microsoft® Lync® support
- IBM® Sametime™ support

User interface

- Polycom® SmartPairing™ technology
- Directory services
- System management
- Web-based
- SNMP
- Polycom® Covered 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)
- Secure password authentication

Collaboration

- Polycom® VisualBoard™ Technology
 - Touch monitor compatibility
 - Direct mouse integration
 - Multi-site collaboration
 - Polycom® UC Board™ (optional)

Options

- Polycom® Touch Control
- Polycom® EagleEye™ Director
- Polycom® EagleEye™ View camera
- 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

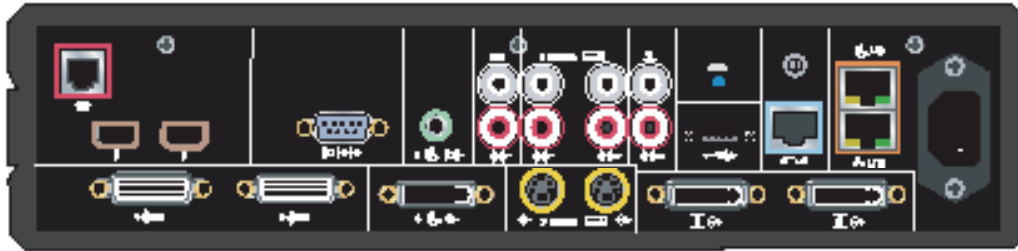
- Operating temperature: 0–40°C
- Operating humidity: 10–80%
- Non-operating temperature: -40°–70°C
- Non-operating humidity (non-condensing): 10–90%
- Maximum altitude: 10,000 feet

Physical characteristics

- HDX 8000 base box with removable stand
- 13.9" x 5.1" x 11" (H x W x 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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Collaborative Financing

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About Polycom

Polycom helps organizations unleash the power of human collaboration. More than 400,000 companies and institutions worldwide defy distance with video, voice and content solutions from Polycom. Polycom and its global partner ecosystem provide flexible collaboration solutions for any environment that deliver the best user experience and unmatched investment protection.

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