



DATA SHEET

Polycom® HDX® 7000 Series

Telepresence solutions for organizations that want to bring together dispersed team members for enhanced collaboration

The Polycom® HDX® 7000 series systems provides flexible, affordable HD video conferencing for high-quality communication throughout mainstream workplace environments. Expanding the utility of visual communication quickly and easily, HDX 7000 telepresence systems are ideal for education, medical, enterprise and on-demand collaboration applications.

Enhancing collaboration with HD technology

Intuitive interfaces allow users to adopt and use HDX 7000 telepresence systems quickly, while a variety of bundle options enable the HDX 7000 telepresence systems to be wall-mounted, free-standing or easily wheeled to any location to accommodate visual communication in any room. With embedded content sharing capabilities, HDX 7000 telepresence systems allow individuals to collaborate in HD detail on content such as diagrams, project plans, multimedia presentations and more.

Leveraging Polycom's renowned quality and designed to high-definition standards, HDX 7000 telepresence systems utilize features such as Polycom® HD Voice™ technology to deliver patented, crystal-clear audio and Polycom® StereoSurround™ audio to separate room sounds into left and right channels to deliver physical-sense spatiality to opposite-end participants.

Rich-media presentations made easy

For rich-media group presentations, HDX 7000 telepresence 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 7000 series are a key element of the total Polycom visual communication solution, which includes seamless integration with the Polycom® RealPresence® Collaboration Servers 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**—Polycom collaboration technology for sharing graphics, presentations and rich-media content with HD and non-HD systems
- **Flexible, simplified integration**—
Embedded multipoint—Optional four-way embedded multipoint bridge for greater flexibility and participation
- **Productive collaboration**—Whiteboarding software in the system allows users to collaborate quickly and easily with no PC required

Product specifications

Package includes

- Polycom® EagleEye™ III camera, codec, Polycom® HDX® Microphone Array, 4 Mbps point-to-point, Polycom® People+Content™, Polycom® People+Content IP, 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

- 1 x Polycom® EagleEye™ HD camera
- 1 x S-Video
- 1 x DVI-I

Video out

- 2 x DVI-I HD video out

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
 - SMPTE274M 1920 x 1080p, 60/50
 - 12x optical zoom
 - 72° FOV min

Audio input

- 2 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)

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

User interface

- Directory services
- Polycom® SmartPairing™ technology

- 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
- Polycom UC Board
- MPPlus software for up to 4 sites (SDCP)
- Network interface modules
- Polycom® SoundStation® IP 7000 speakerphone integration
- Polycom® HDX® Media Center options

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

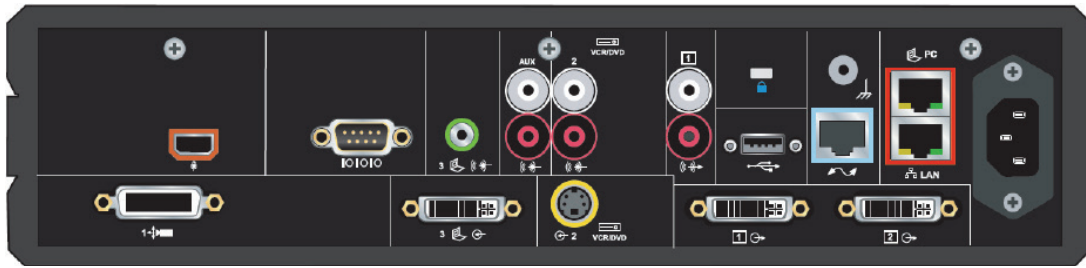
- Operating temperature: 0–40°C
- Operating humidity: 10–80%
- Non-operating temperature: -40–70°C
- Non-operating humidity (non-condensing): 10–90%
- Maximum altitude: 10,000 feet

Physical characteristics

- HDX 7000 base box with removable stand
 - 13.9" x 5.1" x 11" (H x W x D standing)

Warranty

- One-year return to factory parts and labor



Polycom® HDX® 7000 series rear panel

Need flexible financing?

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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.

Polycom, Inc.
1.800.POLYCOM
www.polycom.com

Polycom Asia Pacific Pte Ltd
+65 6389 9200
www.polycom.com.sg

Polycom EMEA
+44 (0)1753 723282
www.polycom.co.uk

