

Polycom® HDX® 7000 Series

High Definition Quality with Flexibility and Reliability

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

The Polycom® HDX® 7000 series provides flexible, affordable HD video conferencing for high-quality communication throughout mainstream workplace environments. Expanding the utility of visual communication quickly and easily, Polycom HDX 7000 series 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 Polycom HDX 7000 series systems quickly, while a variety of bundle options enable the Polycom HDX 7000 series 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, Polycom HDX 7000 series 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, Polycom HDX 7000 series 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, Polycom HDX 7000 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 7000 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.

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. 12



Benefits

- **High-definition video** – Up to 720p30 or 1080p30 resolutions
- **High-definition voice** – Polycom Siren™ 22 and Polycom StereoSurround technology for superior audio performance
- **High-definition content sharing** – Polycom collaboration technology for sharing graphics, presentations and rich-media content with HD and non-HD systems
- **Embedded multipoint** – Optional four-way embedded multipoint bridge for greater flexibility and participation
- **Flexible connectivity** – Optional H.320 interfaces for easy access to BRI, PRI or serial networks

Polycom HDX 7000 Series Specifications

Package Includes

- Polycom EagleEye III camera, codec, HDX Microphone Array, 4 Mbps point-to-point, People+Content™, 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 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, H.224/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)
- 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
- 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)
- 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 (SDCP)
- Network interface modules
- 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/W/D standing)

Warranty

- One-year return to factory parts and labor

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