Polycom® HDX® 4000 Series

Turn your personal workspace into a global meeting environment

Performance-engineered to deliver life-like collaboration, the Polycom® HDX® 4000 solution combines extraordinary visual and audio capabilities with practical everyday functionality for bringing video to desktops and personal meeting environments.

The HDX 4000 personal telepresence system leverages the H.264 High Profile video compression standard to use up to half the bandwidth of alternative telepresence solutions, making it ideal for offices within enterprises as well as remote sites, branch offices, and teleworking environments. In addition, the exclusive Polycom® Lost Packet Recovery™ quality of service technology helps ensure sustained high-quality interactions, even over congested networks.

Personal communication like you've never experienced

The Polycom HDX 4000 solution combines a series of unique innovations to deliver powerful rich-media communication. Built to high-definition-television (HDTV) industry standards, the HDX 4000 LCD display provides vibrant colors and smooth movement control. Using Polycom® HD Voice™ technology and dual, built-in microphones, users are able to hear remote participants in full stereo, while advanced four-way speakers deliver astonishingly life-like audio. As a result, interactions with colleagues and partners, across campus or around the globe, are more natural than ever.

Polycom HDX 4000 personal telepresence system offers great flexibility for group video conferencing, with an optional embedded multipoint feature that allows multiple locations to be brought into conferences quickly and easily. Polycom HDX 4000 personal telepresence system also includes powerful tools for content sharing, with presentations, graphics, spreadsheets and multimedia files incorporated into visual communication to facilitate better collaboration.

Additionally, with Polycom® People On Content™ embedded chroma key technology, the user's image can be inserted into the foreground of the content and appear to be part of the presentation. With a modern, streamlined design, the HDX 4000 personal telepresence system combines professional-level visual communication with full PC and Mac monitor functionality.

Benefits

- **Natural communication experiences**—HD video up to 1920 x 1080 30 at fps
- **Clear understanding of all participants**—High-definition voice and Polycom® Siren™ 22 technology deliver high-fidelity stereo sound
- **Improved information sharing**—Sharing graphics, presentations, and rich-media content across HD and non-HD systems
- **Life-like interactions**—20.1" display delivers ultra-realistic, face-to-face communication

Package includes

- Polycom® HDX® 4002
  - People+Content, People+Content IP, People on Content and cables

Video standards & protocols

- H.264, H.264 High Profile IP, H.263++, H.261
- H.239/Polycom People+Content
- H.263 & H.264 Video Error Concealment

People video resolution

- 1080p 30 fps from 1024 Kbps
- 720p, 60 fps from 832 Kbps
- 720p, 30 fps from 512 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)

Supported PC input resolutions

- 1680 x 1050, 1280 x 1024, 1280 x 720, 1024 x 768, 800 x 600

Display

- 20.1" Widescreen LCD display
- 1680 x 1050 native resolution
- 16:9 aspect ratio

Camera

- 1280 x 720 video capture resolution
- 2X digital zoom
- EPTZ camera control
- Privacy shutter

Speakers

- Frequency range: 100 Hz–20 kHz
- Four built-in speakers
- Headset input for privacy

Audio standards and protocols

- Polycom StereoSurround
- 22 kHz bandwidth with Polycom® Siren™ 22
- 14 kHz bandwidth with Polycom® Siren™ 14
- 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

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 communications
- H.224/H.281 far-end camera control
- H.323 Annex Q far-end camera control
- H.225, H.245, H.241, H.331
- H.239 dual stream
- H.231 in multipoint calls
- H.243 chair control
- H.460 NAT/firewall traversal
- BONDING, Mode 1
- BFCP (RFC 4562)
- TIP

User interface

- Directory services
- System management
  - Polycom® Converged Management Application™ (CMA®)
  - Web-based UI
  - SNMP
- CDR
- International languages (16)
- Wildcard language tool
- USB software update

Network

- Interfaces—2-port 10/100 auto NIC switch, RJ45 connectors
  - Auto-MDIX
  - RJ11 analog phone connector (HDX 4002)
- H.323 and/or SIP up to 4 Mbps
- RS232
  - Data pass-through
  - Closed caption

- H.320 (optional) (HDX 4002 only)
- Polycom® Lost Packet Recovery™ (LPR™)
- Reconfigurable MTU size (IP only)
- Microsoft® ICE support
- Microsoft® Lync™ support
- Microsoft® Office Communications Server integration

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

Options

- MPPlus internal multipoint software for up to 4 sites
- RTV/CCCP
- TIP

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

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

Physical characteristics

- HDX 4002 LCD with stand
  - Display: 20.1" x 21.9" x 9.3" (H x W x D)
- Base Box with removable stand
  - 13.87" x 5.08" x 11" (H x W x D)

Warranty

One-year return to factory parts and labor

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®

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