

# Polycom® HDX® 8000 Series

Flexible-high definition video, voice,  
and content communication



High-definition visual communication solution for  
conference rooms, classrooms and meeting places worldwide.

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.

## **Precisely Engineered for Superior Clarity**

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 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 media-rich group presentations, Polycom HDX 8000 series systems enable users to display rich-media content and data easily, enhancing collaboration and audience participation. And utilizing Polycom HDX 8000 series systems in tandem with Polycom's unique People On Content™ collaboration technology allows presenters to insert their video images into projected content to explain key elements more clearly.

Polycom HDX 8000 series systems are a key element of the total Polycom visual communication solution, which includes seamless integration with the Polycom RMX® 2000 or RMX 4000 conference platforms, Polycom Converged Management Application® series for management and scheduling, or the Polycom SoundStation® IP 7000 conference phone for an integrated voice and video experience.

## **Find Out More**

Learn what the Polycom HDX 8000 series can do for your organization. Visit us at [www.polycom.com](http://www.polycom.com) or contact your Polycom representative.

## **Benefits**

- ▶ High-definition video – Up to 1920 x 1080 (1080p) video resolution or 1280 x 720 (720p) resolution up to 60 fps for excellent video quality at all data rates
- ▶ High-definition voice – Polycom Siren™ 22 and Polycom StereoSurround™ technology 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

# Polycom® HDX® 8000 Series Specifications

## Package Includes:

- Polycom EagleEye™ or EagleEye 1080 camera, codec, HDX Microphone Array, 6 Mbps point-to-point, cables and remote control

## Video Standards and Protocols

- H.264, H.264 High Profile, 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

- Input: 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: 30 fps
- Content Sharing: People+Content™, People on Content™ and People+Content IP

## Camera

- Polycom EagleEye camera
  - 1280 x 720p CCD imager
  - 12X optical zoom
  - 72° FOV min
- Polycom EagleEye 1080 Camera
  - 1920 x 1080 CMOS imager
  - 10X optical zoom
  - 70° FOV min

## Audio Input

- 3 HDX microphone arrays supported
- 1x Line-level stereo in (RCA)
- 1 x 3.5mm stereo mini (PC Audio)



- 1 x VCR / DVD stereo audio-in (RCA)

## Audio Standards and Protocols

- Polycom StereoSurround™
- 22 kHz bandwidth with Polycom Siren™ 22
- 14 kHz bandwidth with Polycom Siren 14, 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
- Automatic gain control
- Automatic noise suppression
- Keyboard noise reduction
- Live music mode
- Instant adaptation echo cancellation
- Audio error concealment

## Other ITU-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

## Network

- Polycom iPriority™ for QoS
- Interfaces
  - 2-port 10/100 auto NIC switch (RJ45)
- H.323 and/or SIP up to 6 Mbps
- Polycom Lost Packet Recovery™ (LPR™)
- 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
- 1 x Analog phone interface (POTS)
- Microsoft® Office Communications Server 2007 integration

## User Interface

- Directory services

- System management
  - Web-based
  - SNMP
  - Polycom Converged Management Application™ (CMA™)

- CDR
- International languages (17)
- 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 EagleEye View camera
- MPPlus software for up to 4 sites (HDCP)
- Network interfaces 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 8000 base box with removable stand - 13.9" x 5.1" x 11" (H/W/D standing)



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