



Polycom® HDX 4000 Series

Premier Personal Communication Solution

Benefits

High definition video — Natural communications achieved with 1280 x 720 at 30fps (720p). Exceptional video resolution is also achieved at even lower data rates

High definition voice — Optimized for what people say, Polycom's Siren™22 provides true high-fidelity Stereo audio

High definition content — Share HD content from presentations to multimedia demonstrations

Polycom HDX supports standards based People+Content™ for sharing content

Also available is the optional People On Content™ which allows participants to seamlessly become part of their Presentations

Large HD Display — 20.1" widescreen display is a perfect computer monitor to be used for creating compelling presentations and for life-like video conferences

Powerful HD Audio — Powerful built-in speakers and superior microphone technology allow for Polycom HD Audio in rich stereo surround

Embedded multipoint — An optional 4 way embedded multipoint bridge allows for greater flexibility for your larger conferences

Flexible connectivity — For complete flexibility, optional network interfaces allow for easy access to your BRI, PRI or V.35 network

UltimateHD™ solution — The HDX series integrates easily with the Polycom RMX™ products for high definition video bridging. The RSS™2000 streaming server also allows for capture and playback in high definition

Effective communications with the Ultimate in desktop audio, video and content for your office.

When you need to communicate across the campus or across the globe, you need to make sure you are effective in your message. The ability to communicate right from your office is becoming essential and in some cases critical.

In today's global marketplace, only the absolute best will do — and the Polycom HDX 4000 is clearly the best, offering a video solution for nearly any application, from executive meetings to disaster recovery. It delivers the richest audio, clearest and sharpest video, most transparent technology, and easiest to use interface, all enhanced by world-class service and support.

An emergency update that top management needs to respond to immediately, your weekly call with sales management, an organization-wide quarterly update, a critical meeting with board members. These are all communications that can happen from your office. All in real time, all in high definition.

The Polycom HDX 4000 Series is a powerful desktop video conferencing system designed for today's professionals. With a 20.1" screen, powerful stereo speakers and sleek design, the HDX 4000 is much more than a communications device. It is also a fully functional monitor for your PC or MAC.

The HDX 4000 is built on High-Definition TV (HDTV) standards. In video conferencing, HD Video enhances the overall viewing experience and eliminates meeting fatigue. Additionally, colors are more vibrant and realistic; movements are more sharp and smooth. This offers users the ability to interact more naturally, with more than nine times the video quality of CIF video.

HD Content is only a click away. You can easily share your presentation during the video call with just the click of a button. Include presentations, spreadsheets or multimedia files in full high definition at full frame rates with the HDX 4000.

This exceptional user experience applies to sound with HD Voice in every call. Polycom's patent-pending Siren™22 heightens users' senses to new levels. The HDX 4000 incorporates Polycom's patented StereoSurround™ technology, bringing new life to each call. For a truly in-person meeting experience, video participants can take advantage of built-in microphones and can hear remote participants' voices in stereo through left and right speakers built into the HDX 4000's 20.1" HD LCD screen. With resolutions up to 1600 x 1200, you can become more productive with enhanced graphic output and larger desktop display. So go ahead and create that amazing presentation or plug in your music player and hear incredible audio from the built-in speakers.

Accomplish great things, now.

The importance of clear, concise communications can be measured by the success of your company or organization. As the market leader in voice, video, data and Web solutions, our award winning conference technology makes it easy for people to interact and maximize productivity — over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen.



Polycom® HDX 4000 Series

Technical Specifications



Video Standards & Protocols

- H.264
- H.263++
- H.261
- People+Content / H.239
- H.263 & H.264 Video Error Concealment

People Video Resolution

- 720p, 30fps at 1Mbps–4Mbps (HDX 4002)
- 4SIF (704 x 480)/4CIF (704 x 576) at 256Kbps–1Mbps
- SIF (352 x 240), CIF (352 x 288)
- QSIF (176 x 120), QCIF (176 x 144)

Supported PC Input Resolutions

- 1600x1200, 1680x1050, 1600x1000, 1400x1050, 1344x1008, 1344x840, 1280x1024, 1280x960, 1280x800, 1280x720, 1024x768, 800x600

Display

- 20.1" widescreen LCD display
- Native max resolution: 1680x1050
- 16:9 Aspect Ratio

Camera

- 5 megapixel camera
- Video capture resolution: 1280x720
- 65° field of view
- 2x digital zoom
- EPTZ camera control
- Privacy shutter

Speakers

- Frequency range: 100Hz – 20kHz
- Four built-in, independent speakers

Audio Standards & Protocols

- Polycom StereoSurround™
- 22kHz bandwidth with Polycom Siren 22
- 14kHz 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
- Instant Adaptation Echo Cancellation
- Audio Error Concealment
- Headset input for privacy

Other ITU-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

Network

- Interfaces
 - 2-port 10/100 auto NIC switch, RJ45 connectors
 - RJ11 analog phone connector
- H.323 up to 4Mbps (2 Mbps standard)
- SIP up to 4Mbps (2 Mbps standard)
- H.320
 - ISDN Quad BRI
 - ISDN PRI T1 or E1
 - Serial (RS449, V.35, RS 530) up to 2Mbps
- iPriority for QoS
- Reconfigurable MTU size
- Auto SPID detection and line number configuration
- Loss Packet Recovery (LPR)

User Interface

- COD (PathNavigator Conference on Demand)
- Directory Services
- System Management
 - Web based
 - SNMP
 - GMS
- CDR
- API support
- International languages (16)

Security

- Secure Web
- Secure Telnet
- Security mode
- Embedded AES FIPS 197, H.235V3 and H.233/234
- Secure password authentication

Options

- People+Content™
- People On Content™
- MPPlus software for up to 4 sites
 - ISDN, IP transcoding
 - Audio transcoding
 - Video transcoding (line rate, resolution, and protocol)
 - StereoSurround and Siren 22 audio
 - Dual monitor emulation
 - People+Content supported
 - Voice activated switching
 - Continuous presence
- Polycom SoundStation@IP 7000 Integration
- HDX Microphone Array
- HDX Remote Control
- 4 Mbps line rate

Electrical

- Auto sensing power supply
- Typical operating voltage/power 189VA @ 115V @ 60 Hz @ .67 PF
- Typical operating voltage/power 192VA @ 230V @ 60 Hz @ .66 PF
- Typical operating voltage/power 196VA @ 230V @ 50 Hz @ .65 PF

These numbers were empirically collected under TYPICAL operating conditions. No attempt was made to force max power consumption. Voltages and currents are RMS. Power units are Volt-Amp.

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 is 10,000 feet

Warranty

- One-year return to factory parts and labor
- 90-day software warranty

<p>Screen Size: 20.1" diagonal Footprint: 13.9"</p>	<p>Height: 20.1" Depth: 9.3"</p>	<p>Width: 21.9"</p>