



# 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™
- MPP/Us 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

## Technical Documentation

- Award-winning documentation for setting up, maintaining, and using the system
- Available at [www.polycom.com/vidoeodocumentation](http://www.polycom.com/vidoeodocumentation)

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