

► Technical Specifications

Polycom® HDX 7001 2.0.3.2 Software



Models Available

- HDX 7001 (includes EagleEye camera, codec, microphone array, cables and remote control)
- XL Package (includes People+Content™ and 2nd monitor)
- XLP Package (includes People+Content™, 2nd monitor, MPPlus and 4 Mbps line rate)

Video Standards and Protocols

- H.264, H.263 ++, H. 261
- H.239 People+Content
- H.263 & H.264 video error concealment

People Video Resolution

- 720p, 15fps TX & 30 fps RX (7001 running max resolution mode)
- 4SIF (704 x 480) / 4CIF (704 x 576) at 256Kbps–2 Mbps
- SIF (352 x 240), CIF (352 x 288)
- QSIF (176 x 120), QCIF (176 x 144)

Content Video Resolution

- Up to 720p
- Input: SXGA (1280x1024), XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480)
- Output: XGA (1024x768), SVGA (800x600)

Camera

- Polycom EagleEye Camera
 - 1280 x 720p CCD imager
 - 12X optical zoom
 - 72deg FOV at min zoom
 - +- 100 deg pan range
 - +20/-30 deg tilt range
 - Output formats: SMPTE 296M 1280 x 720p, 50/60 FPS

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

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
- H.323 up to 4Mbps
- Lost Packet Recovery (LPR) for QoS
- Reconfigurable MTU size (IP only)
- iPriority for QoS
- SIP up to 2Mbps
- RS232
 - Camera control
 - Data pass-through
 - Audio mixer control
- H.320 (Optional)
 - iPriority for QoS
 - ISDN Quad BRI, PRI T1 or E1
 - Serial (RS449, V.35, RS 530) up to 2Mbps
- Auto SPID detection and line number configuration

User Interface

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

Security

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

Options

- People+Content™
- MPPlus software for up to 4 sites
- Network Interfaces Modules
- 2nd Monitor
- 4 Mbps data 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: 10,000 feet

Physical Characteristics

- HDX 7000 Base Box with removable stand
 - 13.87" (H) x 5.08" (W) x 11" (D)

Warranty

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

Technical Documentation

- Documentation for setting up, maintaining, and using the system
- Visit: www.polycom.com/vidoeocumentati on



