

Polycom® VSX™ 8000

Technical Specifications



Video Standards & Protocols

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

People Video Resolution

- NTSC 30fps at 56Kbps-2Mbps
- PAL 24fps at 56Kbps-2Mbps
- ITU based full screen Pro-Motion™ H.264 interlaced video (60/50 fields full-screen video for NTSC/PAL)
- 4SIF (704 x 480), 4CIF (704 x 576)
- SIF (352 x 240), CIF (352 x 288)
- QSIF (176 x 120), QCIF (176 x 144)
- Choice of 4:3 or 16:9 display aspect ratios

Content Video Resolution

- XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480) for single monitor VGA or when using VGA as 2nd monitor

Audio Standards & Protocols

- Polycom StereoSurround™
- 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.231 in multipoint calls
- H.243 chair control
- H.460.18/.19 NAT/firewall traversal
- BONDING, Mode 1

Network

- H.320
 - ISDN Quad BRI
 - ISDN PRI T1 or E1
 - Serial (RS449, V.35, RS 530) up to 2Mbps
- H.323 up to 2Mbps
- SIP up to 2Mbps
- SCCP up to 2Mbps
- iPriority for QoS

User Interface

- COD (PathNavigator Conference on Demand)
- Directory Services
- System Management
 - Web based
 - SNMP
 - GMS
- CDR
- API support
- Auto SPID detection and line number configuration
- International languages (15)

Security

- COMSEC tested and validated
- KG-194/KIV-7 encryptor support
- FIPS 140-2 (Pre-validation List)
 - Secure web [HTTPS]
 - Secure TLS in Web, Telnet, FTP
 - Security mode
- Secure password authentication
- Embedded AES FIPS 197, H.235V3 and H.233/234

Electrical

- Auto sensing power supply
- Operating voltage/power 85-264 VAC, 47-63 Hz/72 Watts
- Max 52 VA@115v60Hz, 69 VA@220v50Hz
- Max Heat Dissipation; 246 BTU/hour

Environmental Specification

- Operating Temperature: 0-40°C
- Operating Humidity: 15-80%
- Non-Operating Temperature: -40-70° C
- Non-Operating Humidity (Non-condensing): 10-90%
- Maximum altitude is 10,000 feet

Physical Characteristics

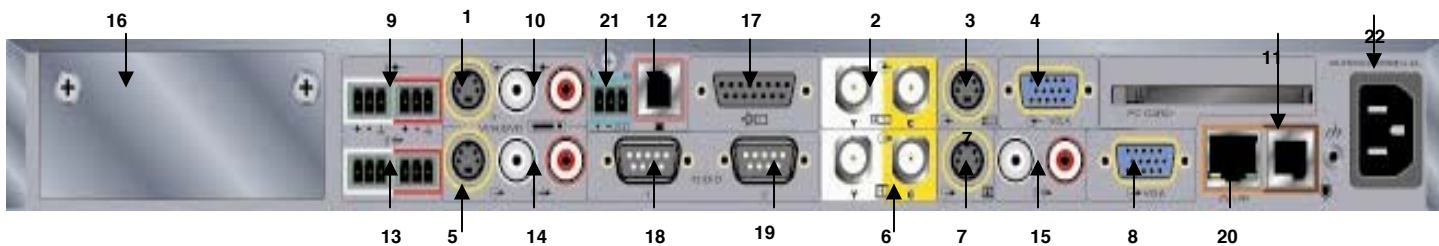
- Video Base Unit (W/H/D): 17.25" / 1.73" / 9.68"; 438.15 mm / 43.83 mm / 245.85 mm
- Video Base Unit Weight: 8.4 lbs; 3.8 kg

Warranty

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

Options

- ImageShare II: connects the codec to a PC for content sharing
- Polycom PowerCam
- Polycom PowerCam Plus
- MPP/Plus software for up to 6 sites
 - ISDN, IP transcoding
 - StereoSurround and Siren 14 audio
 - Dual monitor emulation
 - People+Content supported
 - Voice activated switching
 - Continuous presence
- SoundStation VTX 1000



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|---|--|--|
| 1. Video input 1 for VCR/DVD or 3rd video source (people or content) | 7. Video output 3 for 2nd monitor | 14. Audio output 2 for stereo VCR/DVD |
| 2. Video input 2 for main camera, Y/C on BNC (people) | 8. Video output 4 for VGA/XGA main or 2 nd monitor | 15. Audio output 3 for stereo line level |
| 3. Video input 3 for 2 nd video source (people or content) | 9. Audio input 1 for stereo line level | 16. H.320 network interface bay |
| 4. Video input 4 for VGA-SXGA (content sharing) | 10. Audio input 2 for stereo VCR/DVD | 17. IR, control, power for main camera |
| 5. Video output 1 for VCR/DVD record | 11. Audio input 3 for C-Link, support up to 3 devices for stereo audio | 18. RS-232 #1 |
| 6. Video output 2 for main monitor | 12. Audio input 4 for POTS | 19. RS-232 #2 |
| | 13. Audio output 1 for stereo line level | 20. LAN NIC, 10/100 auto sensing |
| | | 21. IR input connection |
| | | 22. EIA electrical input |