Polycom VSX 8400/8800 Specifications

ITU H 323 and H 320 compliant Cisco AVVID Certified

Bandwidth

- Maximum Data Rate IP and Serial/V.35: Up to 2 Mbps
- Maximum Data Rate ISDN: Up to 2 Mbps

- H.261, Annex D
- H.263+ Annexes: F, I, J, L, N, T H.263++ Annexes: W

- ITU 60-fps full screen Pro-Motion

Frame Rates (Point-to-Point)

- Intelligently selects frame rate for best performance video
 30 fps at 56 kbps up to 2 Mbps

60 fields per second up to 2 Mbps

x S-Video; Professional Y/C BNCs (main

- · 1 x DB15: PowerCam and PowerCam Plus power.
 - PTZ control, IR, mic input 1 x S-Video; 4-pin mini DIN (second camera with PTZ control)

- 1 x S-Video: 4-pin mini DIN (VCR or DVD player)
- 1 x VGA (Content input from laptop)

Serial Data Port: 2 Connectors

- Control port for custom integration with remote devices
- such as Crestron and AMX control system.
 Integration with Polycom Vortex® Installed
 Voice Products
- Communication port for transmission of serial data (i.e. medical devices) over ISDN calls Auxiliary camera control

- 1 x S-Video: Professional Y/C BNCs (main display)
- 1 x S-Video; 4-pin mini DIN (second display) 1 x S-Video; 4-pin mini DIN (VCR or DVD player) 1 x VGA (Content display)

NTSC/PAI

Graphics: XGA, SVGA, VGA

- Pro-Motion 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)
- Choice of 4:3 or 16:9 display aspect ratios Display People on VGA Second Monitor

- KGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480) for Content on 2nd VGA Displays (when used with primary NTSC/PAL display)
 People video support for 4CIF and SIF on 2nd VGA
- Single monitor graphics display (800 x 600) Up to 4CIF for Content on NTSC/PAL displays

Audio Standards & Protocols

- Polycom StereoSurround ready

 14 kHz bandwidth with Siren™ 14 on IP, ISDN, and IP/ISDN mixed calls
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711, G.728, G.729A

- Seamless integration with Polycom Vortex Installed Voice Products
- Audio add-in using SoundStation VTX 1000 conference phone Audio add-in over ISDN
- Audio add-in over POTS

- Audio ado-in over PUTS Full-duplex digital audio Instant Adaptation Echo Cancellation Automatic Gain Control (AGC) Voice activated Automatic Noise Suppression (ANS) Audio Mixer (Mic, VCR, line-in)

- Built-in tonal speaker test Real-time audio level meter for local and far-end microphones

- Microphones
 Microphone and VCR input audio mixing
 Ability to talk over VCR audio
 Ability to turn off Echo Cancellation when external audio equipment is used

Audio Inputs: 6 Connector.

- 1 x Conference link
 Supports up to (3) microphones
 Supports SoundStation VTX 1000

POLYCOM[®]

conference phone

2 x RCA/Phono, line level input for VCR, DVD player

- 2 x Phoenix connectors: balanced line level or direct
- microphone inputs with 24 V Phantom po 1 x RJ-11 for analog speaker telephone

- 2 x Phoenix connectors: balanced line level output
- 2 x RCA/Phono, Line Level output for VCR record 2 x RCA/Phono, Line Level output for speakers

Polycom Digital Tabletop Microphone

- 360Þ voice pick up, 4.8 dB less reverberant than omni microphone
 Three cardioid elements per microphone
 Flotation feet reduce transmission of tabletop noise
- Integrated mute button
- Can be mounted to ceiling or walls

Other ITU-Supported Standards

- H.221 communications
- H 224/H 281 far-end camera contro Annex Q standard for FECC in H.323 calls H.225, H.245, H.331
- H.239 People+Conten
- H.231 in multipoint calls
- H 2/13 MCII nassu
- H.233, H.234, H.235V3 encryption standards Bonding, Mode 1

- The (LAN, DSL, cable modem)
 Single 10/100 Ethernet port (10 bps/100Mbps/Auto)
 Optional ISDN QBRI (Basic Rate Interface) Module
- Optional ISDN PRI (Primary Rate Interface) Module
- Optional Serial Module (V.35/RS-530/RS-449 with RS-366 dialing)

Network Feat

- Integration with Cisco Systems' CallManager
- Version 4.0 Automatic IP/ISDN calling
- Down speeding over IP and ISDN
- Audio & Video Error Concealment over IP and ISDN

- mixed calls
 IP address conflict warning
 Fast Connect IP for quick video connections
 Maximum call length digital timer
 Auto SPID detection and line number configuration
 MG™ Click&View™ for individual screen layouts
 Polycom OneDial™ intelligent call management attempts call on preferred network (IP or ISDN) and automatically rolls over to secondary network
- Polycom PathNavigator support for easy call placement
- and network cost optimisation TCP/IP, UDP/IP, RTP, DNS, WINS, DHCP, ARP, HTTP, FTP,
- SIP Support (Session Initiation Protocol)
- Chair control through API command or Integrated Web Interface
 Software Upgradeable Inverse Multiplexer (IMUX)
- Initiates unscheduled MGC calls from the endpoint
- Utilises Polycom Office (PathNavigator and MGC) Auto selects either the internal or external bridge Dials all participants simultaneously

- operate with approved government encryption
- technologies KG-194/KIV-7 encryptor support with on screen and address book dialing Enhanced integration for independently certified,
- classified encryption devices Account validation number entry Secure password authentication
- Unique factory default passwords
- Administrator password
- Dial-in meeting password Encrypted password for VSX Web access Ability to disable remote interfaces (FTP, Telnet, HTTP. SNMP)
- Ability to disable mixed protocol multipoint calls Auto-Answer (On/Off)

Allow access to user settings (On/Off)

- Embedded Encryption
- Advanced Encryption Standard (AES)
 FIPS validated by National Institute of Standards
 & Technology (NIST) certified agency

network calls

- 128-bit key length
 AES software encryption on ISDN, IP and Serial/V.35 up
- Standards-based H.235V3 (IP) Standards-based H.233/H.234 (ISDN/Serial)
- Automatic key generation and exchange
 Supported in People+Content
 Supported in Point-to-Point IP, ISDN and mixed

- User-friendly graphical interface Customisable home screen and color themes Kiosk mode with scrolling marquee
- User-selectable camera icons and ring tones
- Up to (99) user defined camera presets
 Speed Dial List on home page
 Persistent Preview (Far-site PIP) on all screens
- Picture-In-Picture (PIP) (On/Off, Moveable)
- Dual-Monitor Emulation Numerical menu navigation (Similar to
- mobile phone) Date. Time Server accessibility
- Calendar and Conference scheduling Alert Signal on home page Do Not Disturb (On/Off)
- VSX Web for remote monitoring

- 4,000+ number global directory 1,000+ number local directory
- Limitless multipoint entries Live address book with Polycom Global Directory Services automatically and quickly updates directory with address changes or new endpoints
- Live address book with Polycom Global Directory Services automatically and quickly removes endpoints from directory if they are turned off Polycom Global Directory Services integrates with Active Directory/LDAP
- Directory Server backup in the event Polycom Global
- Directory is not accessible
 Automatic ISDN localisation of calls

- SYMEP for enterprise management
 Diagnostics and software upgrades via PC, LAN
 Integrated VSX Web management tool
 Web Director: Remote administrator video monitoring and control from VSX Web (enabled/disabled from

 - endpoint for security)
 Out-of-box setup from VSX Web
 Place a call from VSX Web
- Language independence between set-top interface and VSX Web System configuration from VSX Web
- Recent Calls Log Records last 99 incoming and
- outgoing calls

 Call Detail Record (CDR) Reports all incoming and outbound calls along with call statistics
- CDR Feature On/Off Downloadable CDR data for processing requires no
- external management system

 Account number validation at call initiation integrated with Polycom Global Management System™ for billing
- Administrator-configurable dialing speeds Complete support for The Polycom Office™
- including: - Polycom Global Management System

- Polycom OneDial Polycom OneDial Polycom PathNavigator Polycom Conference Suite Polycom MGC Polycom SoundStation VTX 1000

- Video Error Concealment
- Audio Error Concealment Universal Plug and Play (UPnP) IP Precedence (ToS)
- Configurable video/audio/FECC service value
- DiffServ (DSCP) (COS)
 Dynamic Bandwidth Allocation
 Proactive Network Monitoring
- Packet and jitter control Network Address Translation (NAT) support
- Automatic NAT discovery Asymmetric speed control
- Alternate Gatekeeper support
- TCP/UDP fixed-port firewall support Lip synchronisation Echo cancellation
- Echo suppression
- Auto gatekeeper discovery Automatic gateway dialing profiles Specify outbound call routing for gateway/ISDN
- - People+Content™ IP
 - Show content from laptop/PC over IP network No resolution adjustment required on presenter's
 - Supports CIF, SIF, 4CIF, 4SIF, VGA, SVGA, XGA
 - display resolutions Zoom control
 - Supports Windows 2000 and Windows XP PC Utility available for unimited downloa (required for each presenter's laptop/PC)

- Closed captioning support
- Web Streaming in and out of a call, RTP based, suitable with QuickTime® players

Chinese (Simplified), Chinese (Traditional), English, Prench, German, Italian, Japanese, Korean, Norw Portuguese, Russian, Spanish - Documentation translations in all languages

- User interface translations in all languages
- Keypad audio dialing confirmation in all languages VSX Web translations in all languages

- Remote controls labeled in all languages

- Auto sensing power supply Operating voltage/power 85-264 VAC, 47-63 Hz/

72 Watts

- Operating Temperature: 0-40°C Operating Humidity: 15-80%
- Non-Operating Temperature: -40-70°C Non-Operating Humidity (Non-condensing): 10-90%

Physical Characteristics Video Base Unit (W/H/D) 438.15 mm/43.83 mm/245.85 mm

(17.25"/1.73"/9.68") Video Base Unit Weight: 3.8 kg8.4 lbs

One-year return to factory parts and labor One-year software updates and upgrades

VSX 8800 Includes

PowerCam™ Plus Camera Provectain First called Silent, motorised pan-tilt-zoom camera with imbedded microphones enables pointing to presets Tilt Range: +/- 25° (Up/Down)
Pan Range: +/- 100° (Left/Right)
Horizontal field of view: 65°

- Total Field of View: 265° Horizontal resolution: 460 (PAL)/470 (NTSC) TV lines Zoom range: 10x

Auto focus/white halance/brightness/iris

- Standards-based, far-end camera control (FECC) Polycom Digital Tabletop Microphones (2) 360P voice pick up, 4.8 dB less reverberant than
- omni microphone
- Three cardioid elements per microphone
 Flotation feet reduce transmission of tabletop noise Integrated mute button
- Can be mounted to ceiling or walls
- People+Content IP ImageShare™ II
- Direct VGA-in connectivity
- Internal Multipoint Features
 Mixed protocol dialing connects a total of four endpoints (IP/ISDN/Serial) through the internal MCU
- Dial-in/Dial-out Calling (IP/ISDN/Serial) Password protection for incoming calls Supports IP telephones Automatic IP/ISDN down speeding
- Supports People+Content from any endpoint
- (Not just the host site)
 Voice Activated Switching view current speaker
- Continuous Presence see all locations Automatic Presentation switch between presenter
- and continuous presence mode
 MP key installation while in a call
 Audio add-in over ISDN

Cascading for up to 10 conference participants (mix of

IP/ISDN/Serial Video and ISDN Audio) Stereo Speaker Kit Includes subwoofer, (2) high-fidelity speakers and

speaker stands Subwoofer: 150 watts ouptut power; bass response to

Speakers: frequency range 100 Hz to 22 KHz

- VSX 8400 Includes
- Proved Callician
 Ultra-quiet, ultra-fast action pan-tilt-zoom (PTZ)
 Tilt Range: +/- 25° (Up/Down)
 Pan Range: +/- 100° (Left/Right)
 Horizontal field of view: 65°
- Total Field of View: 265° Horizontal resolution: 460 (PAL)/470 (NTSC) TV lines
- Zoom range: 10x Auto focus/white balance/brightness/iris Standards-based, far-end camera control (FECC)

Polycom Digital Tableton Microphones (2) See details above

People+Content Suppor

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