Polycom VSX 6000

Polycom VSX 6000 Benefits

Compact, Set-Top System – Small, compact system with integrated camera fits neatly on a display.

Designed for IP Networks – Built-in IP network connectivity allows for seamless integration of group video conferencing into existing networks.

Outstanding Video – Premium quality video with standards based H.264 for the most realistic video conferencing experience.

Astounding Audio – Polycom Siren™ 14 audio from the integrated mid-range speaker delivers unmatched audio clarity from a set-top system.

Wideband Audio Integration – Connect a SoundStation VTX 1000™ conference phone to the VSX 6000 for voice-only and video call dialing, call hang-up and redial from the keypad.

The Polycom Solution – Everything you need to deploy and manage a complete video conferencing network with Polycom Global Management System™, Polycom PathNavigator™, Polycom Conference Suite and the Polycom MGC™

Polycom VSX 6000

Compact, entry-level set-top video conferencing system with built-in IP connectivity, the Polycom VSX 6000 is ideal for small group applications.

The Polycom VSX 6000 offers all of the features you’d expect in a high-end group video system with all the key features, but with a smaller footprint. Well suited for organizations with an IP network infrastructure and the need for a small group video conferencing product with a high-quality pan-tilt-zoom (PTZ) camera, the VSX 6000 is the answer.

Because video quality is important for productive communications, the VSX 6000’s integrated PTZ camera allows users to easily manipulate the camera with the remote control to capture the audience, on both the far and near end of the call. The system is smart enough to determine the best video quality for the call, automatically choosing H.264 by default, or auto switching to H.263 if necessary. Either way, users are assured of the best quality video experience.

Each VSX 6000 product ships with an integrated mid-range speaker that delivers crisp, clear Polycom Siren™ 14 audio, eliminating the need to rely on mediocre television speakers. Add an auxiliary Stereo Speaker Kit and experience patent pending Polycom StereoSurround™. The single digital tabletop microphone array included with every system accommodates either audio arrangement.

To complete the voice and video experience in a small group setting, a SoundStation VTX 1000 can be linked to the VSX 6000 and used as the microphone and as the dialing interface. From the conference phone keypad, users can dial an IP video call and then add a voice-only participant to the conference, all in wideband audio.

The value of Polycom VSX 6000. Access to the power of Polycom unified collaborative communications solutions.

With the greatest breadth and depth of integrated video, voice, and Web solutions, only Polycom delivers the ultimate communications experience. Our market-leading conferencing and collaboration technologies, supported by world-class service, enable people and organizations to maximize their effectiveness and productivity. Add to that the most experience and proven best-practices in the industry, and it’s clear why Polycom has become the smart choice for organizations seeking a strategic advantage in a real-time world.
Polycom VSX 6000 Specifications

ITU H.323 compliant

Bandwidth
- Maximum Data Rate IP Up to 768 kbps

Video Standards & Protocols
- H.261, Annex D
- H.263+ Annexes: F, I, L, N, T
- H.263+ Annexes: W
- H.264

Frame Rates (Point-to-Point)
- Intelligently selects frame rate for best performance video

30 fps at 56 kbps up to 768 kbps

Video Inputs: Main Camera + 1 Connector
- Integrated main camera
- 1 x Composite: RCA/Phone (Document camera, VCR)

Video Outputs: 4 Connectors
- 1 x 5-Video: 4-pin mini DIN (Main monitor)
- 1 x Composite: RCA/Phone (Main monitor)
- 1 x S-Video (Second monitor)
- 1 x VGA (Second graphics display)

Video Formats
- NTSC/PAL
- Graphics: XGA, SVGA, VGA

Integrated Main Camera
- Ultra-quiet, ultra-fast action pan/tilt/zoom (PTZ)
- 65° field of view
- Tilt Range: +/- 25° Up/Down
- Pan Range: +/- 100° (Left/Right)
- Total Field of View: 285°
- 12x Zoom: 4.2 to 42mm
- F=1.85 to 2.9 mm

Auto focus

Automatic white balance

Camera presets - local and far-end (up to 99)

Standards-based, far-end camera control (FECC)

People Video Resolution
- 45F (104 x 480)
- 45F (104 x 576)
- CIF (255 x 240)
- CIF (352 x 288)

Choice of 4:3 or 16:9 display aspect ratios

Display People on VGA Second Monitor

Content Video Resolution
- XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480) for graphic displays
- People video support for 4CF and 45F on Polycom VGA display

Up to 4CF for NTSC/PAL displays

Audio Standards & Protocols
- Polycom StereoSurround ready
- 14 kHz bandwidth with Polycom Siren 14 audio on IP calls
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711, G.728, G.792A

Audio Features
- Audio add-in over SoundStation VTX 1000 conference phone
- 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
- 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: 3 Connectors
- 1 x Conference Link
  - Supports single microphones
  - Supports SoundStation VTX 1000™ conference phone
- 1 x RCA input for stereo or mono input from VCR
- 1 x RCA input for stereo or mono input from external mixer

Audio Outputs: 2 Connectors
- 2 x RCA for stereo VCR record (or stereo for auxiliary speakers)

Polycom Digital Tabletop Microphone
- 360° voice pick up, 4.8 dB less reverberant than omni microphone
- Three cardioid elements per microphone
- Rotary feet reduce transmission of tabletop noise
- Integrated mute button

Integrated Mid-range Speaker
- Frequency response: 188 Hz to 16 kHz
- Total Output Power: 20 Watts (RMS)
- Customizable audio for user environment
- Master volume control
- Mid-range speaker on/off
- User-tunable treble and bass controls

Other ITU-Supported Standards
- H.232 communications
- H.224/H.281 far-end camera control
- Annex G standard for FECC in H.323 calls
- H.225, H.245, H.241
- H.239/People+Content™
- H.239/0 encryption standard

Network Interfaces Supported
- IP (LAN, DSL, cable modem)
- Single 10/100 Ethernet port
- H.261, Annex D
- Maximum Data Rate IP Up to 768 kbps

Video Base Unit (W/H/D): 11.82”/5.83”/9.63”

Physical Characteristics
- Non-Operating Temperature: -40-70˚ C
- Operating Temp Range: 0-40˚ C
- Operating Humidity: 15-90% RH
- Non-Operating Humidity: 0-90% RH

Forecast
- 3.4 kHz bandwidth with G.711, G.728, G.729A
- 7 kHz bandwidth with G.722, G.722.1
- G.726, G.729
- G.728
- G.729

Environmental Specifications
- Operating Temperature: 0-40˚ C
- Operating Humidity: 15-90% RH
- Non-Operating Temperature: 0-70˚ C
- Non-Operating Humidity (Non-condensing): 0-80%RH

Physical Characteristics
- Video Base Unit (W/H/D): 11.82”/5.83”/9.63”
- 300.3mm/148mm/244.5mm
- Weight: 6.0 lbs/2.8 kg

Warranty
- One-year warranty for warranty parts and labor
- One-year software updates and upgrades

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