ALL-IN-ONE VIDEO BAR FOR MID-SIZED CONFERENCE ROOMS

BENEFITS

- Get any mid-sized meeting room up and running in minutes, with a simple setup process and all-in-one design.
- Catch even the smallest details with its 4K UltraHD 120-degree FOV camera.
- Surround everyone with the rich, legendary sound with stereo speakers that deliver immersive room-filling audio.
- Enjoy a seamless native experience on all the leading cloud video apps — no PC or separate gateway required.
- Ensure everyone is seen clearly with Poly DirectorAIs pinpoint-accurate automatic framing technologies.
- Keep distracting noises and side conversations from interrupting your meetings with Poly NoiseBlockAI and Acoustic Fence technologies.

POLY STUDIO X50

Make your video conferencing easier and more powerful. The Poly Studio X50 includes legendary audio and video performance in a simple all-in-one video bar. Offer true meeting equality with pinpoint-accurate automatic framing and tracking modes, distraction-free audio technology, and life-like 4K UltraHD video. There's no PC required, either: Cloud video apps are built right in, offering familiar controls, and supports the leading cloud video services. And with Poly Lens, deployment, management and analytics are a breeze for IT.

- 4K UltraHD video.
- Stereo speakers that deliver immersive room-filling audio.
- Poly DirectorAI smart camera technology.
- Poly NoiseBlockAI and Acoustic Fence smart audio filtering technologies.
- Seamless native experience on leading cloud video services.

POLY STUDIO X50

SPECIFICATIONS

PRODUCT SPECIFICATIONS

Package includes:

- Poly Studio X50
- Power supply
- HDMI cable
- Ethernet cable
- Wall mount
- Privacy cover

VIDEO STANDARDS AND PROTOCOLS

- H.264 AVC, H.264 High Profile, H.265, H.239

VIDEO INPUT

- 1x HDMI

VIDEO OUT

- 2x HDMI
- Touch display compatible

PEOPLE VIDEO RESOLUTION

- 4K, 30 fps (TX and RX) from 2048 Kbps
- 1080p, 60 fps from 1740 Kbps
- 1080p, 30 fps from 1024 Kbps
- 720p, 60 fps from 832 Kbps
- 720p, 30 fps from 512 Kbps

CONTENT VIDEO RESOLUTION

- Input
  - UHD (3840 x 2160)
  - HD (1920 x 1080p)
  - WSXGA+ (1680 x 1050)
  - UXGA (1600 x 1200)
  - SXGA (1280 x 1024)
  - WXGA (1280 x 768)
  - HD (1280 x 720p)
  - XGA (1024 x 768)
  - SVGA (800 x 600)
- Output
  - UHD (3840 x 2160)
  - WUXGA (1920 x 1200)
  - HD (1920 x 1080)
  - WSXGA+ (1680 x 1050)
  - SXGA+ (1400 x 1050)
  - SXGA (1280 x 1024)
  - HD (1280 x 720)
  - XGA (1024 x 768)
- Content frame rate
  - 5–60 fps (up to 4K resolution at 15 fps in call)

CONTENT SHARING

- Apple Airplay
- Miracast
- HDMI input
- Whiteboarding

CAMERA

- 121° DFOV, 110° HFOV
- 5x digital zoom
- UHD 2160p (4K) capture resolution
- Automatic meeting experience powered by Poly DirectorAI including group framing and speaker framing
- Secondary cameras can be added via USB and HDMI

AUDIO

- Poly NoiseBlockAI technology
- Poly Acoustic Fence technology

AUDIO INPUT

- 3x MEMS microphones, plus 2x 2nd order microphones
- 1x HDMI
- 1x 3.5 mm line-in
- Input for optional expansion microphone

MICROPHONES

- 3x MEMS microphones, plus 2x 2nd order microphones
- Up to 25 ft of microphone pick up range
- Optional expansion microphone available (p/n 2200-69631-001)

AUDIO OUTPUT

- Stereo speakers
  - Power Handling (RMS) 20 Watts
  - Power Handling (MAX) 40 Watts
  - Sensitivity 86.1 dB
- 3.5 mm audio output
- 1x HDMI

OTHER INTERFACES

- 2x USB-A (3.0)
- 1x USB-C
- Bluetooth® 5.0*
- WiFi 802.11a/b/g/n/ac (MIMO) Multi-channel Concurrency*

AUDIO STANDARDS AND PROTOCOLS

- 22 kHz bandwidth with Polycom Siren 22 technology
- 20 kHz bandwidth with G.719 (M- Mode) and Polycom Siren 22 technology
- 14 kHz bandwidth with Polycom Siren 14 technology, 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

POLY STUDIO X50

NETWORK

- IPv4
- IPv6
- 1x 10/100/1G Ethernet
- Auto-MDIX
- H.323 and/or SIP up to 6 Mbps running Poly Video App
- Polycom Lost Packet Recovery (LPR) technology
- Dynamic bandwidth allocation
- Reconfigurable MTU size
- Web proxy support—Basic, Digest, and NTLM

SECURITY

- Media encryption (H.323, SIP): AES-128, AES-256
- H.235.6 support
- Authenticated access to admin menus, web interface, and API
- BFCP
- Local account password policy configuration
- Security profiles
- Local account and login port lockout
- Secure defaults
- Remote logging with support for TLS
- Active directory external authentication

OPTIONS

- VESA mount kit
- Stand
- Poly TC8
- Poly TC10
- Poly Bluetooth remote control
- Poly Trio
- Studio Extension Microphone
- TAA, JITC and no radio versions available*

INTEROPERABILITY

- Zoom Certified
- Microsoft Teams Certified
- Google Meet Certified
- All cloud service providers through Poly Video App Mode
- USB device mode
- Support for native 3rd party applications includes Zoom, Microsoft Teams, Google Meet, BlueJeans, Dialpad, GoToRoom, RingCentral and Tencent (China only)

DIGITAL SIGNAGE

- Raydiant
- Appspace

ELECTRICAL

- Auto sensing power supply
- Typical operating voltage/power
  - 37 VA @ 120 V @ 60 Hz
  - 37 VA @ 230 V @ 50/60 Hz
- Typical BTU/h: 65

ENVIRONMENTAL SPECIFICATION

- Operating temperature: 0 to 40 °C
- Operating humidity (non-condensing): 15 to 80%
- Non-operating temperature: -40 to 70 °C
- Non-operating humidity (non-condensing): 5 to 95%
- Maximum altitude: 16,000 ft

PHYSICAL CHARACTERISTICS

- 30 W x 4 H x 4 D (Inches) 762 W x 102 H x 102 D (MM)
- 5.6 lbs/2.54 kg

MANAGEABILITY

- Cloud: Poly Lens service

WARRANTY

- One-year return to factory parts and labor

*Not available on no radio versions

Product details and specifications are subject to change. Some features may only be available with certain native apps or in Poly video mode.

LEARN MORE

For more information on Poly Studio X50, visit poly.com/studio

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