Poly Studio X50 All-In-One Video Bar

Simple video conferencing

Poly Studio X50 video bars simplify and enhance your hybrid meeting experience in medium-sized rooms – no matter what video collaboration software you use. Experience board-room quality audio and video, all optimized into one sleek bar.

*Product image may differ from actual product

Drama-free setup	Production-quality performance
Get your medium-sized conference rooms up and running in moments. No PC is required, and cloud service platform support is built right in. It's easy to install, and ideal for rooms up to 10 participants.	Keep your eye on the action with intelligent camera framing and NoiseBlockAI technology – powered by machine learning. Get exquisite vocal pickup from our next gen mics. Share content over wired or wireless connections via dual monitors.

Smart camera tech
Give everyone in hybrid meetings an equal seat at the virtual table using a choice of framing modes with Poly DirectorAI smart camera technology.

4K camera
No one looks their best with pixilated video. Enjoy richer, more life-like meeting experiences with 4K UltraHD video.

Noise blocking innovations
Outside noise and side conversations can quickly derail a hybrid meeting. Keep background noise in check with Poly NoiseBlockAI and Acoustic Fence technologies.

Beamforming microphone
Make communicating effortless for everyone on the call, with a next-generation beamforming microphone array that clearly picks up all voices in a room.

Datasheet

Poly Studio X50 All-In-One Video Bar

Specifications

Camera

Camera resolution: 2160p, 4K UHD (3840 x 2160)
Diagonal field of view (dFoV): 121°
Zoom capability: 5x digital
Camera type: Single-lens
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 1080); WSXGA+ (1680 x 1050); UXGA (1600 x 1200); SXGA (1280 x 1024); WXGA (1280 x 768); HD (1280 x 720); XGA (1024 x 768); SVGA (800 x 600)
Content video resolution (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 sharing: Apple AirPlay; Miracast; Digital Whiteboarding; HDMI input
Video frame rate: 5-60 fps (up to 4K resolution at 15 fps in call)
Digital signage: Appspace; Raydiant
Lens privacy capabilities: Attachable
Horizontal field of view (hFoV): 110°
Video standards: H.264 AVC; H.264 High Profile; H.265; H.239

Connectivity and communications

Bluetooth version: 5.0
External I/O ports:
1 USB Type-C® 5Gbps signaling rate
2 USB Type-A 5Gbps signaling rate
1 audio-in
1 audio-out
1 HDMI-in 1.4 (video and audio)
2 HDMI-out 1.4 (video)
1 line in (optional microphone)
Interoperability: Zoom Certified; Microsoft Teams Certified; All cloud service providers through Poly Video App mode; USB Device mode; Support for native 3rd party applications including Zoom, Microsoft Teams, BlueJeans, Dialpad, GoToRoom, RingCentral and StarLeaf
Wireless technologies:
Wi-Fi 802.11a/b/g/n/ac (MIMO) Multi-channel Concurrency; Bluetooth® 5.0[1] Not available on no radio versions.

Audio

Audio features:
Poly NoiseBlockAI technology
Poly Acoustic Fence technology
Microphone type: Three MEMS microphones; Two second-order microphones
Speaker output power: 1 x 20 W (RMS); 1 x 40 W (maximum)
Audio standards: 22 kHz with Polycom Siren 22 technology; 20 kHz with G.719 (M- Mode) and Polycom Siren 22 technology; 14 kHz with Polycom Siren 14 technology, G.722.1 Annex C; 7 kHz with G.722, G.722.1; 3.4 kHz with G.711, G.728, G.729A
Speaker type: Stereo speakers
Sensitivity (speaker): 86.1 dB
Microphone pickup range (metric): Up to 7.62 m
Microphone pickup range (imperial): Up to 25 ft

Battery

Power supply type: External
Power features:65 BTU h

Certifications

Certified collaboration software: Zoom; Microsoft Teams; Google Meet
Special features: Automatic meeting experience powered by Poly DirectorAI smart camera technology including group framing, people framing (preview feature), and speaker framing; Auto sensing power supply

Environmental

Operating Altitude (imperial) / Operating Altitude (metric): 16,000 ft / 4,877 m
Operating humidity range: 15 to 80%
Non-operating humidity range: 5 to 95%
Operating Temperature Range (Celsius) / Operating Temperature Range (Fahrenheit): 0 to 40 °C / 32 to 104 °F
Non-operating temperature - Celsius: -40 to 70 °C
Non-operating temperature - fahrenheit: -40 to 158 °F

Applications supported

Management software:
Poly Lens

Security

Standard Kensington lock slot

Weight and dimensions

Weight (imperial): 5.6 lb
Weight (metric): 2540 g
Product dimensions (imperial): 30 x 4 x 4 in
Product Dimensions (metric): 762 x 102 x 102 mm
UPC number: 197497448603
Product number: 83Z44AA

Warranty

Poly standard one-year limited warranty

What is in the box

Poly Studio X50
Ethernet cable
Wall mount kit
AC power adapter
Privacy cover
Cable bundle

Technical Specifications Footnotes

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