

Poly Studio X50 All-In-One Video Bar



*Product image may differ from actual product

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.

Drama-free setup

Get your medium-sized conference rooms up and running in moments with cloud service platform support built right in. It's ideal for rooms up to 10 participants.

Production-quality performance

Intelligent camera framing and NoiseBlockAI technology keeps everyone engaged. Next gen microphones offer exquisite vocal pickup.

Featuring

Smart camera tech

Poly DirectorAI smart camera technology offers a choice of automatic framing modes.

4K camera

Enjoy richer, more life-like meeting experiences with 4K UltraHD video.

Noise blocking innovations

Keep background noise and side conversations from interrupting your meetings with Poly NoiseBlockAI and Acoustic Fence technologies.

Beamforming microphone

A next-generation beamforming microphone array clearly picks up all voices in a room, making communication effortless.

Native experience

Seamless native experience on leading cloud video services – with no PC needed.

Intuitive touch interface

The TC8 touch interface lets you launch, join, and share in an instant, while keeping your focus on the task at hand.

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Specifications

Camera

Camera resolution: 2160p, 4K UHD (3840 x 2160)

Diagonal field of view (dFoV): 121°

Horizontal field of view (hFoV): 110°

Zoom capability: 5x digital

Camera type: Single-lens

Lens privacy capabilities: Attachable

Smart camera technology: Poly DirectorAI with speaker framing; People framing; Group framing; Presenter tracking; DirectorAI perimeter

Video

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)

Video frame rate: 5–60 fps (up to 4K resolution at 15 fps in call)

Video standards: H.264 AVC; H.264 High Profile; H.265; H.239

Content sharing: Apple AirPlay; Miracast; Digital Whiteboarding; HDMI input

Digital signage: Appspace; Raydiant

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:

Support for native 3rd party applications including Zoom, Microsoft Teams, Google Meet, Dialpad, GoToRoom and RingCentral

All cloud service providers through Poly Video App mode

USB Device mode

Wireless Technology:

Bluetooth® 5.0; Wi-Fi 802.11a/b/g/n/ac (MIMO) Multi-channel Concurrency¹

Audio

Audio features:

Poly NoiseBlockAI technology

Poly Acoustic Fence technology

Microphone type: Three MEMS microphones; Two second-order microphones

Microphone Pickup Range: Up to 7.62 m

Speaker output power: 2 x 20 W (RMS); 2 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

Sensitivity (speaker): 86.1 dB (1 W/1 m)

Speaker type: Dual speakers

Power supply

Power supply type: External; Auto sensing

Operating voltage: 37 VA @ 120 V @ 60 Hz; 37 VA @ 230 V @ 50/60 Hz

Heat dissipation cooling: 65 BTU/h

Certifications

Certified collaboration software: Zoom; Microsoft Teams; Google Meet

Environmental

Operating altitude: 4,877 m

Operating humidity range: 15 to 80%

Non-operating humidity range: 5 to 95%

Operating temperature range: 0 to 40 °C

Non-operating temperature: -40 to 70 °C

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Specifications

Management

Management software:
Poly Lens

Security

Standard Kensington lock slot

Security management:

AES 128 bits encryption

AES 256 bits encryption

H.235.6 support

Authenticated access to admin menus, web interface, and APIs

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

Binary Floor Control Protocol (BFCP)

Product highlights URL:

https://www.hp.com/us-en/privacy/white_papers.html

Network

Network capabilities: IPv4; IPv6; 1x 10/100/1G Ethernet; Auto-MDIX; H.323 and/or SIP up to 6 Mbps in Poly App video mode; Polycom Lost Packet Recovery (LPR) technology; Dynamic bandwidth allocation; Reconfigurable MTU size; Web proxy support: basic, digest, and NTLM

Weight and dimensions

Weight: 2540 g

Product dimensions: 762 x 102 x 102 mm

Package weight: 300 g

Master carton quantity: 1

Master carton dimension: 24.5 x 44 x 29.5 cm

Master carton weight: 5.5 kg

Cartons per layer: 9

Pallet (layers): 10

Cartons per pallet: 90

Products per layer: 9

Products per pallet: 90

Pallet weight: 357 kg

Pallet dimensions: 101.6 x 121.9 x 149 cm

UPC number: (ABB) 197497448610; (ABU) 197497448627

Product number: 83Z44AA

Product name: Poly Studio X50 All-In-One Video Bar

Warranty

Poly standard one-year limited warranty

Country of origin

Country of origin: Made in China or Taiwan

What is in the box

Poly Studio X50

Ethernet cable

Wall mount kit

AC power adapter

Privacy cover

Cable bundle

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Footnotes

Messaging Footnotes

¹ Poly+, comprehensive support service for Poly devices, included for 1 year from date of product purchase.

Technical Specifications Footnotes

¹ Not available on no radio versions. ² Product details and specifications are subject to change. Some features may only be available with certain native apps or in Poly video mode.

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