

Poly Studio X50 All-In-One Video Bar with TC8 Controller Kit



*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 Poly DirectorAI

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 pixelated 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.

Acoustic chamber

Enjoy legendary audio from Poly, with crisp, room-filling sound made possible by an innovative acoustic chamber design.

Native experience

Give everyone the confidence that comes from knowing they can connect to any cloud video service easily – with no PC needed.

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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

Master carton dimension: 24.5 x 44 x 29.5 cm

Cartons per layer: 8

Pallet (layers): 8

Cartons per pallet: 64

Products per layer: 8

Products per pallet: 64

Pallet weight: 357 kg

Pallet dimensions: 101.6 x 121.9 x 149 cm

UPC number: (ABB) 197497448887; (ABU) 197497448894; (UUF) 197961922936

Product number: 83Z47AA

Product name: Poly Studio X50 All-In-One Video Bar with TC8 Controller Kit

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

Wall mount kit

AC power adapter

HDMI cable

Power cable

CAT 5E LAN cable

Poly TC8 touch controller

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