



Poly Studio X50 All-In-One Video Bar with TC8 Controller Kit (83Z47AA)



Features

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.

Additional specifications

Audio	Poly NoiseBlockAI technology; Poly Acoustic Fence technology
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
Bluetooth version	5.0
Camera resolution	2160p, 4K UHD (3840 x 2160)
Camera type	Single-lens
Certified collaboration software	Zoom; Microsoft Teams; Google Meet
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)
Diagonal field of view (dFoV)	121°
Digital signage	Appspace; Raydiant
Horizontal field of view (hFoV)	110°
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
Lens cover capabilities	Attachable
Management Software	Poly Lens
Manufacturer Warranty	Poly standard one-year limited warranty
Microphone pickup range (imperial)	Up to 25 ft
Microphone pickup range (metric)	Up to 7.62 m
Microphone type	Three MEMS microphones; Two second-order microphones
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
Non-Operating Humidity Range	5 to 95%
Non-operating temperature - Celsius	-40 to 70 °C
Non-operating temperature - fahrenheit	-40 to 158 °F
Operating altitude	16,000 ft
Operating altitude	4,877 m

Operating humidity range	15 to 80%
Operating temperature range	0 to 40 °C
Operating temperature range	32 to 104 °F
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
Physical security	Standard Kensington lock slot
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)
Power	65 BTU h
Power supply type	External
Sensitivity (speaker)	86.1 dB
Speaker output power	1 x 20 W (RMS); 1 x 40 W (maximum)
Speaker type	Stereo speakers
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
UNSPSC code	45111902
UPC number	(ABA) 197497448870; (ABB) 197497448887; (ABU) 197497448894
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
What's in the box	Poly Studio X50; Wall mount kit; AC power adapter; HDMI cable; Power cable; CAT 5E LAN cable; Poly TC8 touch controller
Wireless	Wi-Fi 802.11a/b/g/n/ac (MIMO) Multi-channel Concurrency; Bluetooth® 5.0 ^[1] Not available on no radio versions.
Zoom capability	5x digital

[1]

Services

Poly Services

★ : Recommended

Poly Support Services

3 Year Poly+ Studio X50 Poly TC8	P86270312 ★
1 Year Partner Poly+ Onsite Studio X50 Poly TC8	P86270158
1 Year Partner Poly+ Studio X50 Poly TC8	P86270160
1 Year Poly Elite Onsite Studio X50 Poly TC8	E86270114
1 Year Poly Elite Studio X50 with TC8	E86270112
1 Year Poly+ Onsite Studio X50 Poly TC8	P86270114
1 Year Poly+ Studio X50 with TC8	P86270112
3 Year Partner Poly+ Onsite Studio X50 Poly TC8	P86270358
3 Year Partner Poly+ Studio X50 with TC8	P86270362
3 Year Poly+ Onsite Studio X50 Poly TC8	P86270314
Service reactivation fee Studio X50 with TC8 for product less than one year out of support coverage	R86270801
Service reactivation fee Studio X50 with TC8 for product one year or more out of support coverage	R86270802
Upgrade embedded 1y Poly+ to 1y Poly Elite Studio X50 Poly TC8	E86270912
Upgrade from embedded 1yr Poly+ to 1yr Poly+ Onsite Studio X50 with TC8	P86270102
Upgrade from embedded 1yr Poly+ to 3yr Partner Poly+ Onsite Studio X50 with TC8	P86270788
Upgrade from embedded 1yr Poly+ to 3yr Partner Poly+ Studio X50 with TC8	P86270351
Upgrade from embedded 1yr Poly+ to 3yr Poly+ Onsite Studio X50 with TC8	P86270309
Upgrade from embedded 1yr Poly+ to 3yr Poly+ Studio X50 with TC8	P86270103

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