Poly Studio X50 All-In-One Video Bar with TC8 Controller Kit GSA/TAA JITC (842W6AA)

Overview

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. 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.

Production-quality performance

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.

Features

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.

Native experience

Give everyone the confidence that comes from knowing they can connect to any cloud video service easily — 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. Its sleek design features an 8" high-resolution touch display to make control options clear and accessible.

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
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 capabilites	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	4,877 m
Operating altitude	16,000 ft
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
SMART camera technology	Poly DirectorAI with speaker framing; People framing; Group framing; Presenter tracking; DirectorAI perimeter
Sensitivity (speaker)	86.1 dB
Speaker output power	1 x 20 W (RMS); 1 x 40 W (maximum)
Speaker type	Stereo speakers
Special features	Auto sensing power supply
UNSPSC code	45111902
UPC number	197497464931
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; Ethernet cable; Wall mount kit; Privacy cover; AC power adapter; HDMI cable; TC8 controller; Power cable; CAT 5E LAN cable
Wireless technologies	Wi-Fi 802.11a/b/g/n/ac (MIMO) Multi-channel Concurrency; Bluetooth® 5.0[1]
Zoom capability	5x digital

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[1] Not available on no radio versions.

Services

Poly Services

★ : Recommended

Poly Support Services

3 Year Poly+ Studio X50 Poly TC8	**P86270312 ★**	
1 Year One time extension HW Replacement for Studio X50 TC8 with NBD advance replacement Poly DaaS	D86270DS1	
1 Year Partner Poly+ Onsite Studio X50 Poly TC8	P86270158	
1 Year Partner Poly+ Studio X50 Poly TC8	P86270160	
1 Year Poly Elite Custom Studio X50 with TC8 Citi Only	E86270650	
1 Year Poly Elite Onsite 4 hr Studio X50 with TC8	E86270914	obsolete
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 Elite Studio X50 with TC8 Walmart Only	E86270312	
3 Year Poly+ Onsite Studio X50 Poly TC8	P86270314	
5 Year HW Replacement for Studio X50 and TC8 NBD Advance Replacement Poly DaaS	D86270DS5	
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	
Upgrade from embedded 3yr Partner Poly+ to 3yr Partner Poly+ Onsite Studio X50 with TC8	P86270555	
Upgrade from embedded 3yr Partner Poly+ to 3yr Poly+ Onsite Studio X50 with TC8	P86270444	
Upgrade from embedded 3yr Partner Poly+ to 3yr Poly+ Studio X50 with TC8	P86270333	

Professional Services

Poly Remote Installation of One Studio X Video Solution	PROSTDIOXR2

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