Poly Studio E70 Camera

Contents

What's New

> **Note:** Poly delivers the Studio E70 1.8.0 software as part of Poly VideoOS 4.1.0. For more information on Poly Studio E70 features, compatibility, known issues, and resolved issues see the *Poly VideoOS 4.1.0 Release Notes* on the [Poly Online Support Center.](#)

These release notes provide information on updates, features, resolved and known issues for Poly Studio E70 cameras.

Poly Studio E70 1.8.0 contains the following:

Speaker Framing Improvements

This release includes a speaker framing improvement, which reduces far end fatigue caused by frequent reframing events.

Changes include:

- Wider framing of the active speaker.

- More efficient framing of active speakers seated together.

- Smoother reframing using cut transitions.

Speaker framing works best when participants are no more than 15 feet from the camera. However, in rooms with optimal acoustics and lighting, speaker framing can identify and frame participants beyond 15 feet. On a Microsoft Teams Rooms system you must install and run Poly Audio Service to use this feature.

G7500 Supports Connecting One Studio E70 as an IP Camera

The Studio E70 can be connected to the G7500 over Ethernet utilizing the G7500 link-local network (LLN) ports. Update your Studio E70 to version 1.8.0 and your G7500 to Poly VideoOS 4.1.0 to access this feature. The E70 will not auto-pair once connected as an IP camera. You must manually pair the E70. The E70 IP camera is only supported in Zoom and Poly Video mode.

Release History

Release History

Release	Release Date	Description
1.8.0	August 2023	Speaker Framing Improvements and G7500 Supports Connecting One Studio E70 as an IP Camera
1.7.2	June 2023	Maintenance release

Release	Release Date	Description
1.7.1	May 2023	Maintenance release
1.7.0	March 2023	Maintenance release
1.6.2	December 2022	Maintenance release (Studio E70 1.6.2-260011)
1.6.2	September 2022	Maintenance release (Studio E70 1.6.2-260005)
1.6.0	August 2022	Maintenance release including connectivity fixes for G7500 and Windows PCs
1.5.0	June 2022	Added People Framing (Preview Only)
1.4.0	April 2022	Maintenance release
1.3.0	March 2022	Maintenance release
1.2.1	January 2022	Studio E70 certified for Microsoft Teams Room for Windows
1.2.0	December 2021	Support for Zoom Rooms Smart Gallery
1.1.0	November 2021	Maintenance release
1.0.3	October 2021	Camera tuning enhancements
1.0.2	August 2021	Initial release of Poly Studio E70 USB camera

Security Updates

Visit the Poly Security Center site for information about known and resolved security vulnerabilities.

Security Policy

Poly implements a layered defense-in-depth approach to protect information in products and systems from unauthorized processing. For more information, see the *Poly Security and Privacy Overview*.

Products Tested with This Release

The table below lists the products tested for compatibility with this release.

Poly strives to support any system that is standards-compliant, and Poly investigates reports of Poly systems that don't interoperate with other standards-compliant vendor systems.

Poly recommends that you upgrade all your Polycom/Poly systems with the latest software versions. Any compatibility issues may already have been addressed by software updates. See Poly Service Policies for the Current Polycom Intra-Operability Matrix.

Note that the following list is not a complete inventory of compatible equipment, but the products that have been tested with this release.

Products Tested with This Release

Product	Tested Versions
Poly G7500	Poly VideoOS 4.1.0
Poly Studio X70	Poly VideoOS 4.1.0
Poly Studio X52	Poly VideoOS 4.1.0
Poly Studio X50	Poly VideoOS 4.1.0
Poly Studio Large Room Kit for Microsoft Teams Rooms (with Poly GC8)	4.15.58.0 Windows 10.0.19044.2486
Zoom Rooms on Windows (with Poly TC10)	5.10.3(1320) Windows 10.0.19044 build 19044

Poly Studio E70 PoE Power Requirements

When using a PoE-enabled Ethernet port to power the Studio E70, the port powering the Studio E70 must be capable of supplying 30W PoE+ Type 2/Class 4 power.

Supported Peripherals and Applications

The following tables include the Poly and partner peripherals and applications supported with the Poly Studio E70 camera.

Applications

Application
Mac and Windows-based Zoom Rooms
Windows-based Microsoft Teams Rooms
Poly Lens Desktop

USB 3.0 Extenders and Cables

> **Note:** When possible, Poly recommends only using the USB-C to USB-A cable that comes with your device. If you are using a network category-based USB extender, you must use Category 6A/7/8 cables that are terminated, and cable certified to the 10-gigabit network standard.

Model	Part Number
Icron USB 3-2-1 Raven 3104 PRO	00-00451 (NA)
USB-A to USB-C w/Slim Connector – 10 m (32.8 ft)	2457-30757-110

USB-A to USB-C w/Slim Connector – 25 m (82 ft)	2457-30757-125
USB-A to USB-C w/Slim Connector – 40 m (131.2 ft)	2457-30757-140
USB-A to USB-C – 10 m (32.8 ft)	2457-30757-001
USB-A to USB-C – 25 m (82 ft)	2457-30757-025
USB-A to USB-C – 40 m (131.2 ft)	2457-30757-040

USB 2.0 Extenders and Cables

While the following USB 2.0 extenders can be used with your Studio E70, they offer limited performance compared to USB 3.0 extenders and cables. To use the full capabilities, performance, and advanced features of your Studio E70, Poly recommends using a USB 3.0 extender or cable.

Caution: Do not connect the Sound Control USB extender to the Ethernet port on the Studio E70. Connecting the RCU2S-E70 to the Studio E70 Ethernet port will damage the device, make it inoperable, and void your warranty.
For information on connecting the Studio E70 to the RCU2S-E70 for the Poly Studio E70, see the RCU2S-E70 USB Application Guide on the Sound Control website.

Model	Part Number
Icron USB 2.0 Ranger 2311	Poly PN: 2583-87590-001 (NA) 00-00401 (NA)
Sound Control RCU2S-E70 for the Poly Studio E70	RCU2S-E70

Resolved Issues

This section identifies the resolved issues in this release.

Category	Issue ID	Description
Audio	EN-242448	On a G7500 system with a connected Studio E70 camera, USB audio devices are not detected after upgrade to VideoOS 4.0.0.
Camera	EN-242198	On a G7500 system with a connected Studio E70 camera in Poly Video mode, the camera returns to the default preset position rather than that set by the user in preview.
Camera	EN-242162	On a Poly Studio for Microsoft Teams Rooms system with a connected Studio E70 camera, the camera disconnects due to a memory leak issue.
Camera	EN-237005	After updating to 4.0.0, on a G7500 system with a connected Studio E70 camera, video latency shows after the system is left idle.
Provisioning	EN-237183	On a G7500 system with a connected Studio E70 camera, the logs do not show the time.

Known Issues

This section identifies the known issues in this release.

IMPORTANT:	These release notes do not provide a complete listing of all known issues for the software. Issues not expected to significantly impact customers with standard voice and video conferencing environments may not be included. In addition, the information in these release notes is provided as-is at the time of release and is subject to change without notice.

Category	Issue ID	Description	Workaround
Camera	EN-243864	On a G7500 system with a connected Studio E70 camera, after disconnecting the USB connection to switch to a Link-Local Network (LLN) connection, the picture-in-picture (PIP) window displays a blue screen.	Restart the system.
Camera	EN-242485	On a G7500 system with a connected Studio E70 camera, setting the camera to 50HZ causes the video to flicker.	None.
Camera	EN-234479	On a G7500 system with three USB-connected Studio E70 cameras powered by G7500 LLN ports, one or more Studio E70 cameras may not properly connect to the video conferencing system after restart.	Restart the system.
Configuration	EN-235428	On a G7500 system with a connected TC8 or TC10 touch controller in Teams mode, the camera fails to work when the Studio E70 is connected after start up.	Connect any monitor, cameras, or peripherals, before starting the system.

System Constraints and Limitations

This section provides information on constraints and limitations when using the Poly Studio E70 camera.

- [Camera Framing When Using Zoom Rooms](#)

Camera Framing When Using Zoom Rooms

When using the Poly Studio E70 with a Mac- or Windows-based Zoom Room setup, the camera only supports Auto-Framing and manual pan, tilt, and zoom controls. The Studio E70 doesn't currently support speaker framing with this setup. This feature will be available in a future release.

Get Help

For more information about installing, configuring, and administering Poly/Polycom products or services, go to the Poly Online Support Center.

Related Poly and Partner Resources

See the following sites for information related to this product.

The Poly Online Support Center is the entry point to online product, service, and solution support information including Video Tutorials, Documents & Software, Knowledge Base, Community Discussions, Poly University, and additional services.

The Poly Document Library provides support documentation for active products, services, and solutions. The documentation displays in responsive HTML5 format so that you can easily access and view installation, configuration, or administration content from any online device.

The Poly Community provides access to the latest developer and support information. Create an account to access Poly support personnel and participate in developer and support forums. You can find the latest information on hardware, software, and partner solutions topics, share ideas, and solve problems with your colleagues.

The Poly Partner Network is a program where resellers, distributors, solutions providers, and unified communications providers deliver high-value business solutions that meet critical customer needs, making it easy for you to communicate face-to-face using the applications and devices you use every day.

The Poly Services help your business succeed and get the most out of your investment through the benefits of collaboration.

Poly Lens enables better collaboration for every user in every workspace. It is designed to spotlight the health and efficiency of your spaces and devices by providing actionable insights and simplifying device management.

With Poly+ you get exclusive premium features, insights and management tools necessary to keep employee devices up, running and ready for action.

Privacy Policy

Poly products and services process customer data in a manner consistent with the Poly Privacy Policy. Direct comments or questions to privacy@poly.com.

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