

Photoneo Versioning Guide





Table of Contents

GigE Vision Support	3
Semantic versioning	3
PhoXi Control - Photoneo 3D Sensor compatibility	4
GenICam support (Discontinued)	4
Firmware - Photoneo 3D Sensor compatibility	5
Minimal firmware versions	5
Platforms Legend:	6
PhoXi Control - API Compatibility	7

GigE Vision Support

Photoneo 3D Sensors with firmware version 1.10.0 and above can be operated using a 3rd party application without PhoXi Control thanks to the GigE Vision standard. It is always recommended to use the newest available firmware version to have access to More information and GigE integrations are available at the [3rd party integrations](#).



Semantic versioning

Semantic versioning was introduced with version 1.7 in November 2021. The numbering scheme uses the MAJOR.MINOR.PATCH numbers. For example, for PhoXi Control / PhoXi SDK version 1.9.1, the major number is 1, the minor is 9, and the patch number is 1.

- The MAJOR version will change with incompatible API changes
- The MINOR version will introduce new functionality in a backward-compatible manner
- The PATCH version will change only for bug fixes or inevitable HW compatibility fixes. This number can be updated without announcement, and the patch number won't be generally referred to

PhoXi Control - Photoneo 3D Sensor compatibility

PhoXi Control is an application compatible with Windows and Ubuntu that acts as a driver for the Photoneo 3D Sensors, providing both a graphical user interface and API. Firmware is the software running on the device. This document provides an overview of the PhoXi Control versions and their compatibility with Photoneo 3D Sensors.

PhoXi Control and Photoneo 3D Sensors compatibility	MotionCam-3D Color	MotionCam-3D	Alpha 3D Scanner	PhoXi 3D Scanner		
				Gen 3	Gen 2	Gen 1
Recommended version						
PhoXi Control 1.17	✓	✓	✓	✓	✓	✓ ¹
Previous versions						
PhoXi Control 1.16	✓	✓	✓	✓	✓	✓ ¹
PhoXi Control 1.9. - 1.15	✓	✓	✓	✓ ²	✓	✓ ¹
PhoXi Control 1.8		✓	✓	✓ ²	✓	✓ ¹
PhoXi Control 1.7		✓		✓ ²	✓	✓ ¹
Obsolete versions						
PhoXi Control 1.4.1		✓				
PhoXi Control 1.2.31					✓	✓ ¹
PhoXi Control 1.1.61						✓ ¹

¹Device running FW 1.2

²Device operating firmware 1.16.2 or higher - compatibility mode

GenICam support (Discontinued)

GenICam support was introduced with PhoXi Control 1.8.2. More information about GenICam integrations is available at the [3rd party integrations](#).

Firmware - Photoneo 3D Sensor compatibility

Firmware and Photoneo 3D Sensors compatibility	MotionCam-3D Color	MotionCam-3D	Alpha 3D Scanner	PhoXi 3D Scanner Gen 3	PhoXi 3D Scanner Gen 2	PhoXi 3D Scanner Gen 1
Current versions						
PhoXi Firmware 1.17	✓	✓	✓	✓	✓*	
Previous versions						
PhoXi Firmware 1.16	✓	✓	✓	✓	✓*	
PhoXi Firmware 1.10 - 1.15	✓	✓	✓		✓*	
PhoXi Firmware 1.9	✓	✓	✓			
PhoXi Firmware 1.8		✓	✓			
PhoXi Firmware 1.2					✓	✓
Obsolete versions						
PhoXi Firmware 1.4 - 1.7		✓				
PhoXi Firmware 1.1						✓

* Available to PhoXi 3D Scanners Gen 2 shipped after November 2021.

Note: Devices are always shipped with the latest FW version. The device cannot operate on a version lower than it was produced with.

Minimal firmware versions

Photoneo continuously updates the Hardware, Firmware, and Software of the solutions in line with customer and market requirements. These updates provide full backward compatibility for our customers with an installed base while enabling Photoneo to react swiftly with inevitable component-level variations. In line with technology advancement, there are required corresponding minimal Firmware versions.

Firmware and Photoneo 3D Sensors compatibility	MotionCam-3D Color	MotionCam-3D	Alpha 3D Scanner	PhoXi 3D Scanner Gen 2	PhoXi 3D Scanner Gen 3	PhoXi 3D Scanner Gen 1
Transition Date	Minimal firmware versions					
2026-05-04	1.17	1.17	1.17	1.17*	1.17	1.2.38
2025-09-05	1.16	1.16	1.16	1.16*	1.16	1.2.38
2025-05-26	1.15	1.15	1.15	1.15*	n.a.	1.2.38
2025-03-17	1.14	1.14	1.14	1.14*	n.a.	1.2.38
2024-05-30	1.13	1.13	1.13	1.13*	n.a.	1.2.38
2023-11-20	1.12	1.12	1.12	1.12*	n.a.	1.2.38
2023-06-09	1.11	1.11	1.11	1.11*	n.a.	1.2.38
2023-10-05	1.10	1.10	1.10	1.10*	n.a.	1.2.37
2022-15-11	1.9.4	1.9.4	1.9.4	1.2.37	n.a.	1.2.37
2021-16-11	n.a.	1.5.7	n.a.	1.2.33 Platform change LT → YT	n.a.	1.1.83
Platform	YT	YT	YT	LT / YT	YT	LT

*Applies to PhoXi 3D Scanners Gen 2 shipped after November 2021 (including repaired devices). The earlier PhoXi 3D Scanner Gen2 devices (LT) can be only updated to firmware version 1.2.39. Contact our [Help Center](#) to find out about available upgrade options.

Platforms Legend:

LT - original OS platform for PhoXi 3D Scanners using 1 partition scheme

YT - new OS platform supporting A/B partition scheme updates

Note: Repaired devices will return to customers with the latest firmware version according to the table in the section [Minimal firmware versions](#).

PhoXi Control - API Compatibility

In general, the PhoXi Control version needs to be the same or higher than the API version. For example, if your application was built with the API version 1.7.5, you can use PhoXi Control 1.7.5 and higher. However, if the API version is lower than 1.7.5 (e.g. 1.4.1, 1.2.35), the project will need to be rebuilt in order to use it with PhoXi Control equal to or higher than 1.7.5.

PhoXi Control	API	Status
1.16 and higher	1.8.2 - 1.17	✓*
1.15	1.8.2 - 1.15	✓*
1.7 - 1.14	1.7 - 1.14	✓*
1.4 - 1.12	1.2 - 1.4	×
1.1 - 1.2	1.1 - 1.2	✓*

*The API version needs to be lower than or equal to the PhoXi Control version.



Contact us

Headquarters:

Zebra Technologies Slovakia s.r.o.

Plynárenská 6

821 09 Bratislava,

Slovakia

Technical support

Contact us at the [Help Center](#).

Visit Photoneo support pages at www.photoneo.com/support.

Orders and inquiries:

photoneo-sales@zebra.com

photoneo-sales-us@zebra.com

