# 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] |

[1] *Device running FW 1.2*

[2] *Device 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.**

## Latest 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

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Contact us at the Help Center.

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