

PHOXI 3D-SENSOR

PHOXI S 3D Scanner S

- Resolution up to 3,2M 3D point
- Gigabit Ethernet interface
- Factory calibrated, easy to integrate
- Light and durable carbon body
- Low temperature expansion coefficient



PRODUCT DESCRIPTION

Photoneo develops advanced 3D scanners based on the NVIDIA Pascal Architecture GPU with 256 CUDA cores.

The PhoXi series is available in five different sizes, which means that there is a scanner for all types of applications. With a user-friendly API, you can quickly and easily set up and adapt it for your particular application. PhoXi uses the "advanced structured light approach" which allows it to scan all types of surfaces.

- Absolute accuracy = The precision of point measurement
- Z-noise = Noise in depth
- Frame rate = Max number of frames per second
- Data acquisition time = How long it takes to collect data. It depends on, among other things, the lighting conditions or whether it is a shiny object or not.
- 3D points throughput = The number of 3D points that can be created when doing a sequential scan
- Point size = The distance between two measurement points

SPECIFICATIONS

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|------------------------------------|---|
| Calibration accuracy (1 σ) | 0.05 mm |
| DC input | PoE & 24V |
| Depth | 68 mm |
| GPU | NVIDIA Pascal Architecture GPU (256 CUDA cores) |
| Height | 77 mm |
| IP Class | IP65 |
| Optimal scanning distance | 442 mm |
| Point to point distance | 0.174 mm |
| Scanning area at sweet spot | 360 x 272 mm |
| Scanning range max | 520 mm |
| Scanning range min | 384 mm |
| Scanning time | 250 – 2250 ms |
| Temporal noise (1 σ) | 0.05 mm |
| Weight | 900 g |

