

PHOTONEO MOTIONCAM-3D

3S-MBS0-3AF0F
MotionCam-3D S



- Robust Against Vibrations and Ambient Light
- Highest Resolution and Accuracy in 3D Scanning of Dynamic Scenes
- Scanning Range From 36cm to 3 Meters
- Works For Objects Moving Up to 40 m/s
- Point cloud with a resolution of 0.9 Megapixel and 15 million 3D points per second



Product description

Photoneo MotionCam-3D is the highest resolution and highest accuracy 3D camera for dynamic scenes in the world. The scanner gives you accurate point clouds in a high level of detail without compromising quality or being disturbed by vibrations, ambient light or motion blur. This makes MotionCam-3D the perfect 3D scanner for handling objects in motion.

The power of parallel structured light

MotionCam-3D uses parallel structured light, which provides the same quality and resolution as regular structured light - but in dynamic scenes. This new patented technology uses a smart sensor design that scans the object in a snapshot as opposed to a standard image sensor that scans sequentially. This means that the method practically freezes the 3D scene in time.

Specifications

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| Calibration accuracy (1 σ) | 0,3 |
| DC input | PoE & 24V |
| Depth | 80 |
| GPU | NVIDIA Pascal Architecture med 256 CUDA cores |
| Height | 68 |
| IP Class | IP65 |
| Point to point distance | 0.37 mm |
| Scanning area at maximum spot | 507 x 343 mm |
| Scanning range max | 558 |
| Scanning range min | 366 |
| Scanning time | 10 ms |
| Temporal noise (1 σ) | 0,1 |
| Weight | 1300 |
| Width | 307 |

