

# PHOTONEO MOTIONCAM-3D

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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

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

