

# PHOTONEO MOTIONCAM-3D

3S-MBM0-3AF0F  
MotionCam-3D M

- 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

Calibration accuracy (1 $\sigma$ )	0.5
DC input	PoE & 24V
Depth	80
GPU	NVIDIA Pascal Architecture med 256 CUDA cores
Height	68
IP Class	IP65
Point to point distance	0.37mm
Scanning area at maximum spot	862 x 567 mm
Scanning range max	939
Scanning range min	497
Scanning time	10 ms
Temporal noise (1 $\sigma$ )	0.1
Weight	1400
Width	427

