

Mech-Eye PRO Industrial 3D Camera



- High accuracy
- High-speed structured light
- Blue & white light options
- For medium-range applications



Fast scanning speed



Flexible installation



IP65 water and dust proof



Competitive price



Universal interface

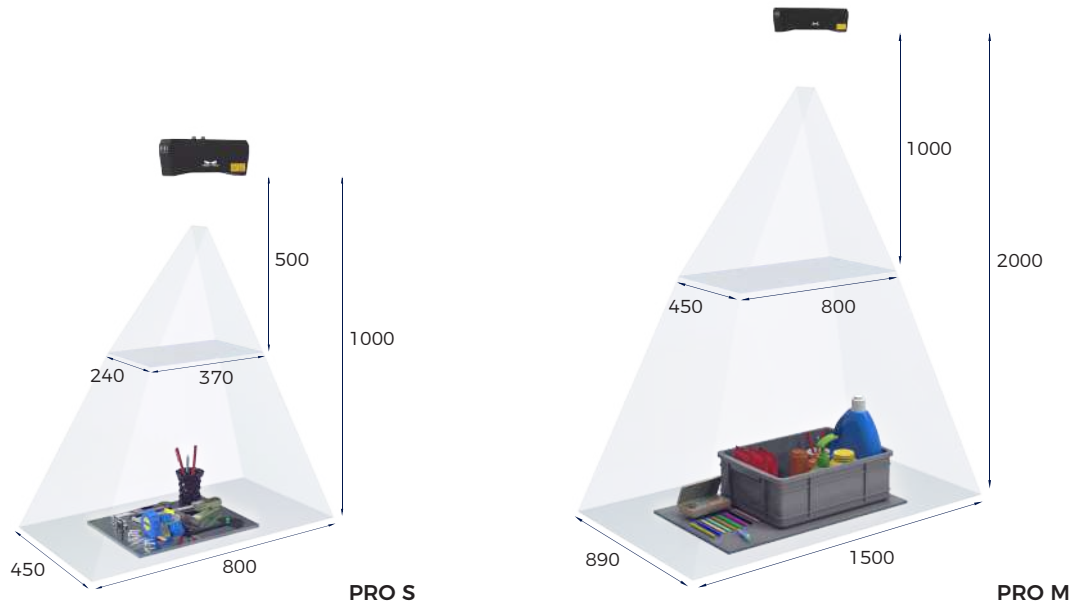
Specification

	PRO S	PRO M
Recommended Working Distance:	500-1000 mm	1000-2000 mm
Near FOV:	370 × 240 mm @ 0.5 m	800 × 450 mm @ 1.0 m
Far FOV:	800 × 450 mm @ 1.0 m	1500 × 890 mm @ 2.0 m
Resolution:	1920 × 1200	1920 × 1200
Megapixels:	2.3 MP	2.3 MP
Point Z-value Repeatability (σ) ^[1] :	0.05 mm @ 1.0 m	0.2 mm @ 2.0 m
Measurement Accuracy (VDI/VDE) ^[2] :	0.1 mm @ 1.0 m	0.2 mm @ 2.0 m
Typical Capture Time:	0.3-0.6 s	0.3-0.6 s
Dimensions:	Approx. 265 × 57 × 100 mm	Approx. 353 × 57 × 100 mm
Baseline:	Approx. 180 mm	Approx. 270 mm
Weight:	Approx. 1.6 kg	Approx. 1.9 kg
Operating Temperature:	0-45°C	0-45°C
Communication Interface:	Gigabit Ethernet	Gigabit Ethernet
Input:	24 V DC, 3.75 A	24 V DC, 3.75 A
Safety and EMC:	CE/FCC/VCCI/UKCA/KC/ISED/NRTL	CE/FCC/VCCI/UKCA/KC/ISED/NRTL
IP Rating:	IP65	IP65
Cooling:	Passive	Passive
Image Sensor:	Sony CMOS for high-end machine vision	Sony CMOS for high-end machine vision

[1] One standard deviation of 100 Z-value measurements of the same point. The measurement target was a ceramic plate.

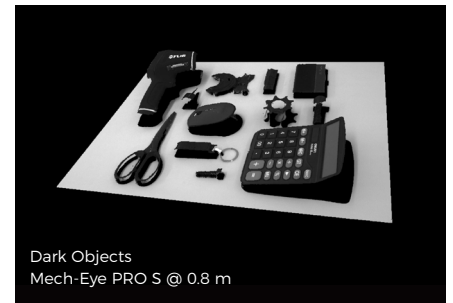
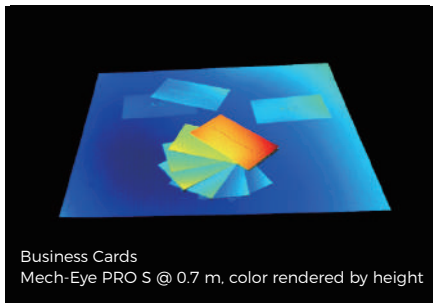
[2] According to VDI/VDE 2634 Part II.

Field of View (mm)

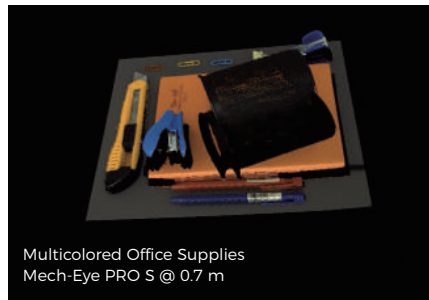


Point Clouds

- Mech-Eye PRO outputs complete, detailed, and accurate 3D point clouds of metals, plastics, wood, and more under demanding light conditions of $> 20,000 \text{ lx}$.^[1]



- Mech-Eye PRO color version can output accurate and high-quality colored 3D point clouds.
- With enhanced performance for reflection, Mech-Eye PRO can generate high-quality imaging of reflective objects.



Abiz Technology Co., Ltd.

57/65 Soi Song Sa-ard, Vibhavadirangsit Road Chomphon, Chatuchak, Bangkok 10900, Thailand

Email : info@abizsensor.com

Telephone : +66 (0) 2-275-5475

Fax : +66 (0) 2-275-5875

Mobile : +66 (0) 99-915-1459, +66 (0) 81-898-8398

www.abizsensor.com