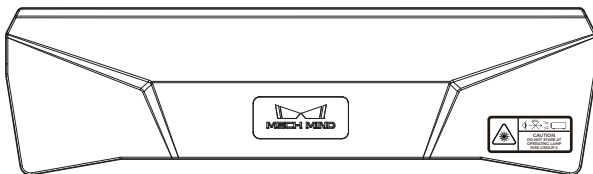
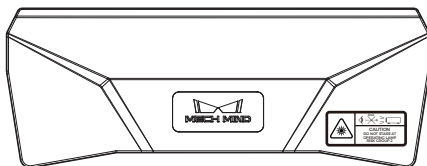


Mech-Eye Industrial 3D Camera

Technical Specifications

PRO S / PRO M v1.1



Specifications (PRO S / PRO M)

Product Name	Mech-Eye Industrial 3D Camera	
Model	PRO S	PRO M
Recommended Working Distance	500-1000 mm	1000-2000 mm
FOV	370 × 240 mm @ 0.5 m	800 × 450 mm @ 1 m
	800 × 450 mm @ 1 m	1500 × 890 mm @ 2 m
Resolution	1920 × 1200	
Megapixels	2.3 MP	
Point Z-value Repeatability (σ) ^[1]	0.05 mm @ 1 m	0.2 mm @ 2 m
Measurement Accuracy (VDI/VDE) ^[2]	0.1 mm @ 1 m	0.2 mm @ 2 m
Typical Capture Time	0.3-0.6 s	0.3-0.6 s
Weight	About 1.6 kg	About 1.9 kg
Baseline	About 180 mm	About 270 mm
Dimensions	About 265 × 57 × 100 mm	About 353 × 57 × 100 mm
Light Source	Blue LED (459 nm, RG2)	
Operating Temperature	0-45°C	
Communication Interface	Gigabit Ethernet	
Input ^[3]	24 V --- 3.75 A	
Safety and EMC	CE / FCC / VCCI / UKCA / KC	
IP Rating ^[4]	IP65	
Cooling	Passive	

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

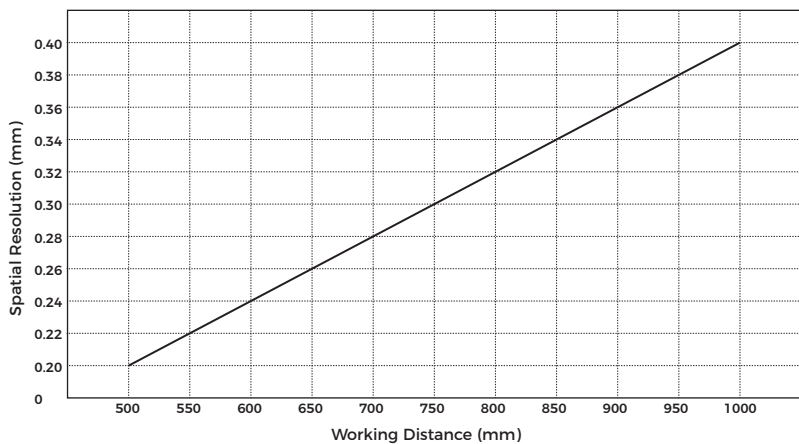
[2] According to VDI/VDE 2634 Part II.

[3] ---: Direct current.

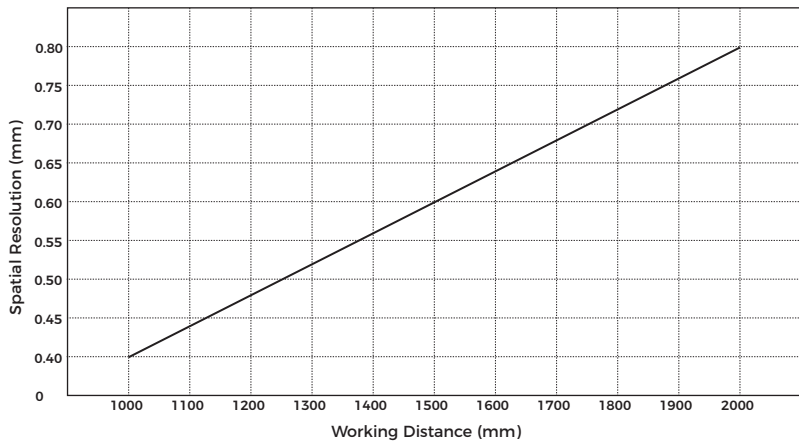
[4] Test implemented based on IEC 60529. 6: dust-tight; 5: protected against water jets.

Spatial Resolution

PRO S

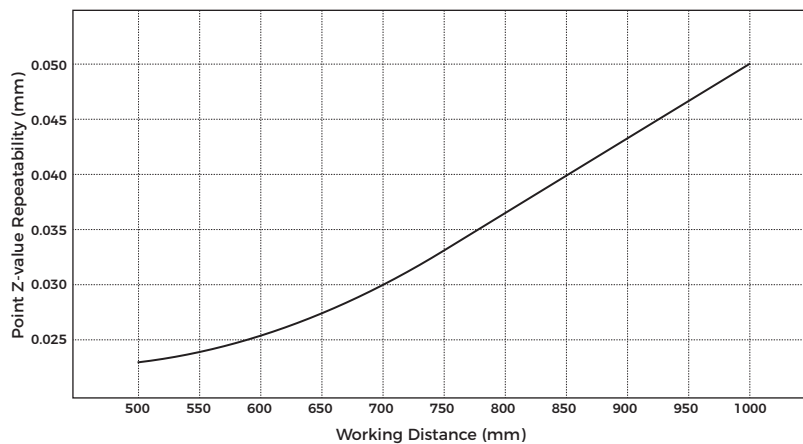


PRO M

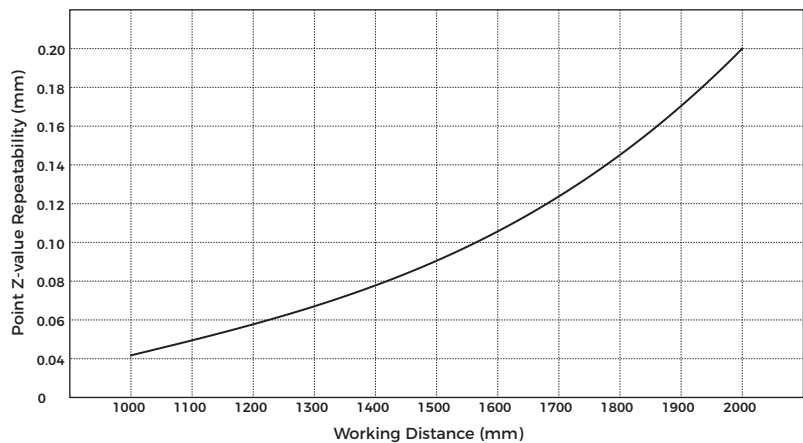


Point Z-value Repeatability

PRO S



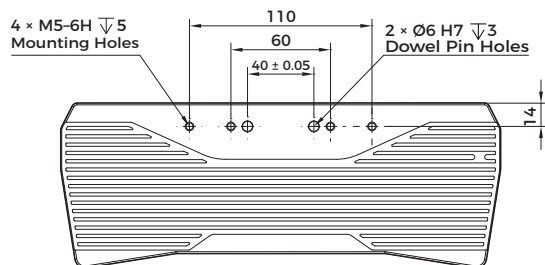
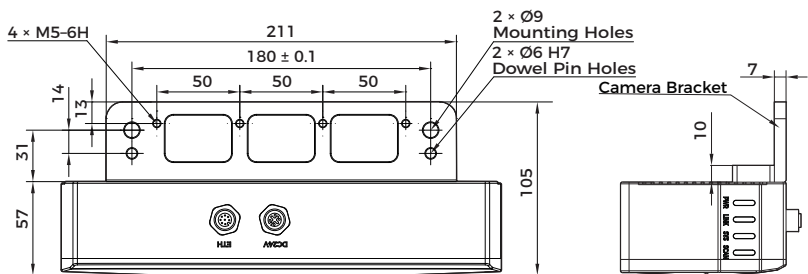
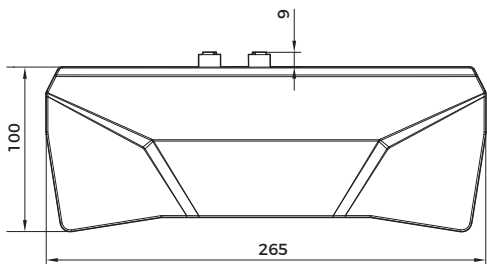
PRO M



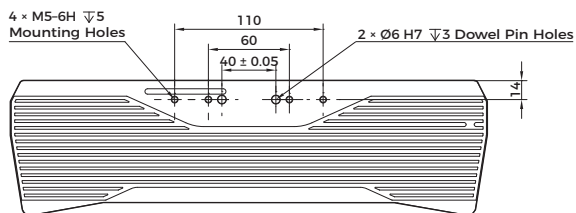
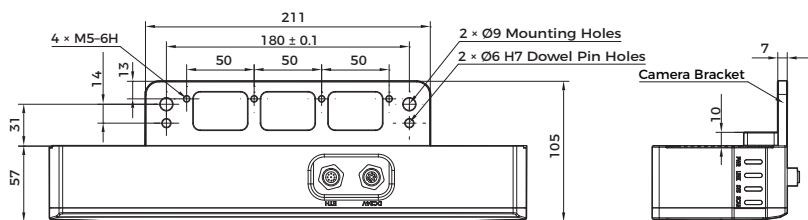
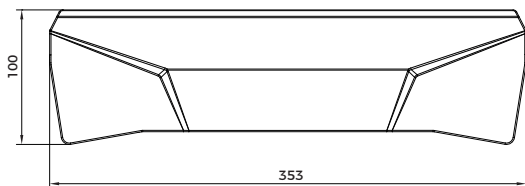
Dimensions

Unit: mm

PRO S



PRO M



CE Certification



Hereby [Mech-Mind Robotics Technologies Ltd.] declares that [PRO S] and [PRO M] are in compliance with the Electromagnetic Compatibility Directive 2014/30/EU.

The full text of the EU Declaration of Conformity is available at <https://www.mech-mind.com/download/camera-information.html>

Korea Certification



R-R-viz-PRO