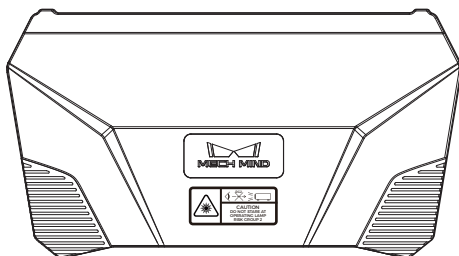


Mech-Eye Industrial 3D Camera

Technical Specifications

UHP-140 v1.1



Specifications (UHP-140)

Product Name	Mech-Eye Industrial 3D Camera
Model	UHP-140
Recommended Working Distance	280-320 mm
FOV	135 × 90 mm @ 280 mm
	150 × 100 mm @ 320 mm
Resolution	2048 × 1536
Megapixels	3 MP
Point Z-value Repeatability (σ) ^[1]	2.6 μm @ 0.3 m
Regional Z-value Repeatability (σ) ^[2]	0.09 μm @ 0.3 m
Measurement Accuracy (VDI/VDE) ^[3]	0.03 mm @ 0.3 m
Typical Capture Time	0.6-0.9 s
Weight	About 1.9 kg
Baseline	About 80 mm
Dimensions	About 260 × 65 × 142 mm
Light Source	Blue LED (459 nm, RG2)
Operating Temperature	0-45°C
Communication Interface	Gigabit Ethernet
Input ^[4]	24 V --- 3.75 A
Safety and EMC	CE / FCC / VCCI / UKCA / KC
IP Rating ^[5]	IP65
Cooling	Passive

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

[2] One standard deviation of 100 measurements of the difference between the Z-value means of two same-sized regions. The measurement target is a ceramic plate.

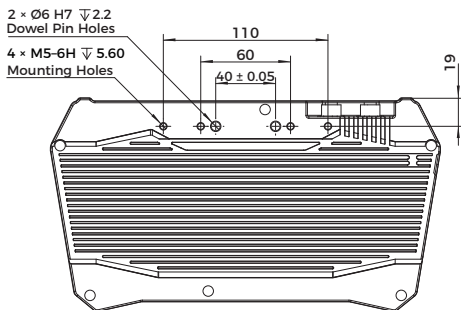
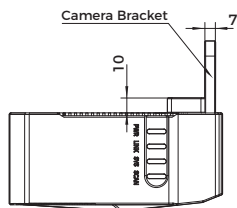
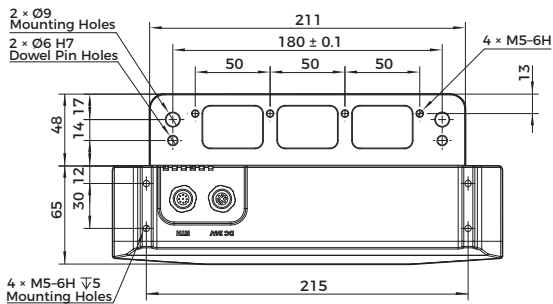
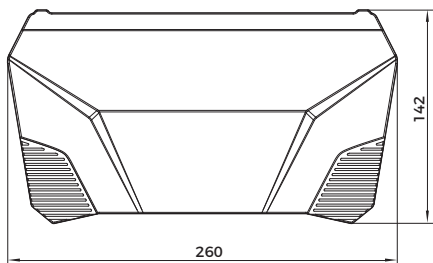
[3] According to VDI/VDE 2634 Part II.

[4] --- : Direct current.

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

Dimensions

Unit: mm



CE Certification



Hereby [Mech-Mind Robotics Technologies Ltd.] declares that [UHP-140] is 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-UHP-140