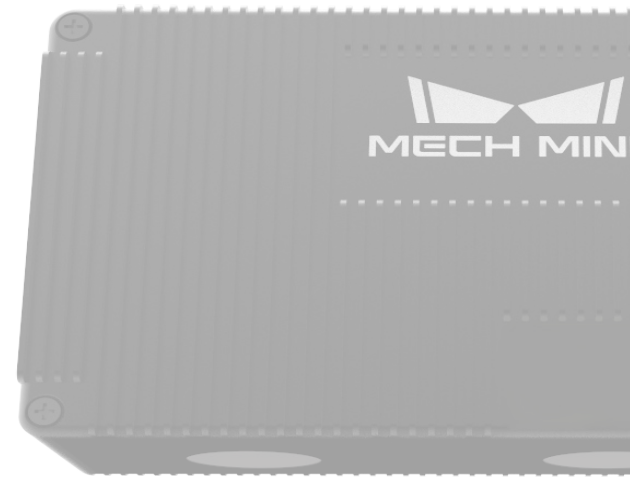




Mech-Eye Nano

DATASHEET



Mech-Eye Nano



Due to its lightweight design, high flexibility and small size, the Nano camera can be mounted on a variety of different robot arms (cobots, industrial robots, etc).

Specifications

With a **working distance of 300 mm - 600 mm**, Mech-Eye Nano is ideal for applications in small spaces.

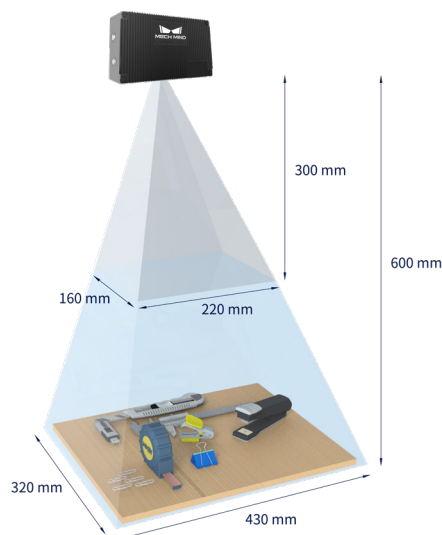
Scope of delivery

Nano Camera

Power - M12, 4-pin, A-coded to EU 230 (10 m) *

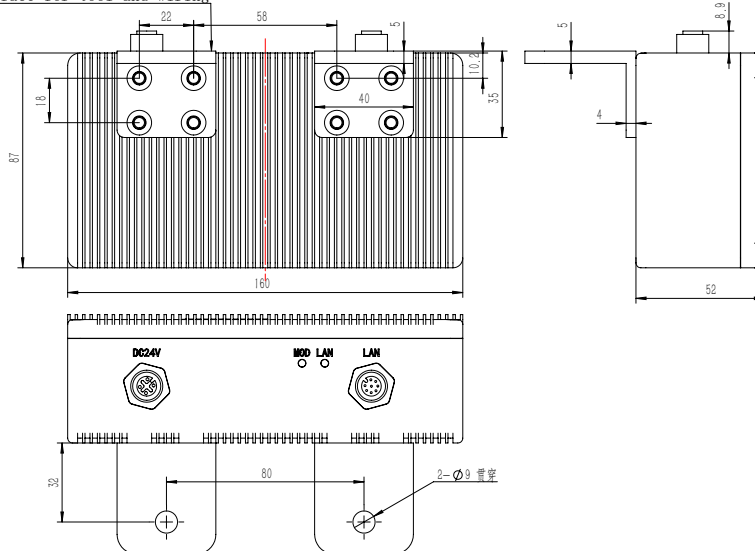
Data - M12, 8-pin, A-coded to RJ45 (10 m) *

*further cable lengths are available



Technical drawing

Hight space no less than 70mm
from this face for tool and wiring



Technical data

Optimal scanning range	300 - 600 mm
Min. FOV	220 x 160 mm @ 0.3 m
Max. FOV	430 x 320 mm @ 0.6 m
Resolution	1,280 x 1,024 px (1.3 MP)
Sensor type	CMOS (Monochrome)
Projector	structured light (LED)
Z Repeatability	0.1 mm @ 0.5 m
Calibration accuracy	0.1 mm @ 0.5 m
Scanning time	0.8 - 1.3 s
Baseline	93 mm
Dimension	160 x 52 x 87 mm
Weight	0.8 kg
Operating time	0 - 45 °C (max. gradient 10°/hour)
Interface	GigE, C++, C#, Python, ROS
Connectors	M12, 8-pin, A-coded (F) - Data M12, 4-pin, A-coded (F) - Power
Power supply	24V DC
Certification	CE/FCC/VCCI
Protection class	IP65
Cooling	Passive



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