

Mech-Eye PRO XS

Palm-sized Industrial 3D Camera

- Ultra-high accuracy
- Fast acquisition
- High stability
- High flexibility
- Industrial grade
- Easy integration



Specification

Optimal Scanning Range: 300 - 600 mm

Near FOV: 220 × 160 mm @ 0.3 m

Far FOV: 420 × 320 mm @ 0.6 m

Resolution: 1280 × 1024

Megapixels: 1.3 MP

Operating Temperature: 0 - 45 °C

Communication Interface: Ethernet

Software APIs: C++/Python/C#/GenICam/HALCON

Class: IP65

Image Sensor: Sony CMOS for High-End Machine Vision

Z Repeatability (σ): 0.1 mm @ 0.5 m

Accuracy: 0.1 mm @ 0.5 m

Typical Capture Time: 0.7 - 1.1 s

Baseline: 93 mm

Dimensions: 160 × 52 × 87 mm

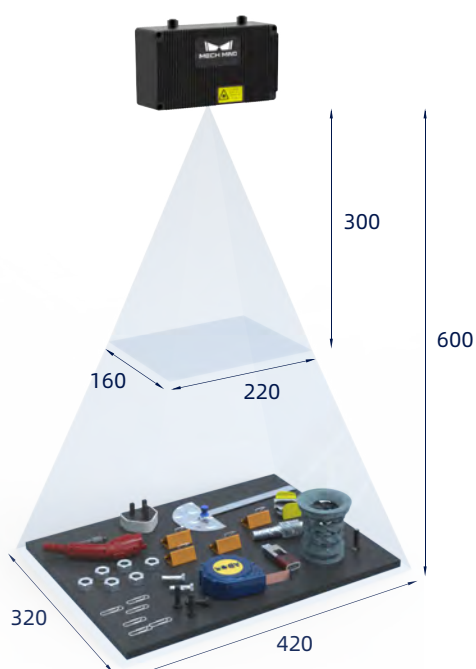
Weight: 0.8 kg

Power Supply: 24V DC

Safety and EMC: CE/FCC/VCCI

Cooling: Passive

Field of View (mm)



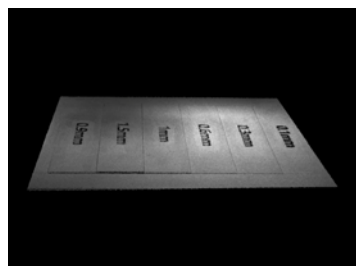
Point Clouds



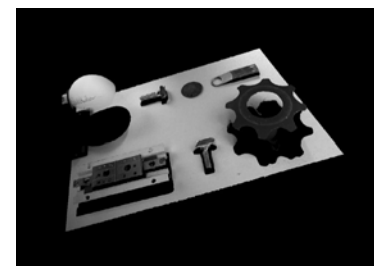
Screws & Nuts



Cards



Stairs with a height difference of 0.1 mm on Z-axis



Considerably reflective / dark workpieces