

MANTIS VISION F5-B HAND- HELD CAMERA

Brings 3D Scanning Versatility
to a Whole New Dimension



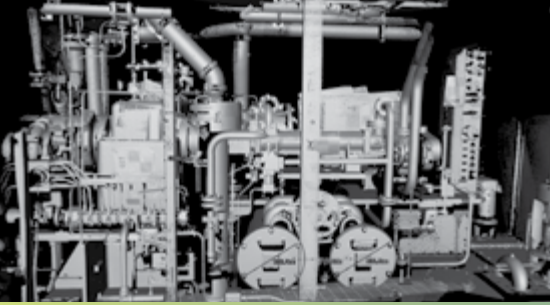
Causing a 3D Commotion, the F5-B is

- High-end hand-held scanner accurate at meters range.
- Detailed scene capturing in a matter of seconds in daylight / no light conditions.
- Captures motion-in-motion – able to capture while the imager itself is on the move.
- Live 3D feedback.
- Suitable for a wide variety of uses and applications, both close up and far away scans.
- Easy to use.
- Small and light.



MANTIS VISION
3D that works for you





Technical Specifications

Hardware Specification

3D resolution	Up to: 0.5mm
3D point accuracy	Up to: 0.05mm @ 0.5m distance
XY point density	3mm in a single frame @1m Unlimited in stitched mode
3D distance accuracy	Up to: 0.5mm over 100cm
Continuous acquisition time	1 hour
Eye safety	Class 1M Laser (no protection required)
Ambient lighting	From complete darkness to daylight. Low sensitivity to environment lighting Conditions
Depth of field	0.5 – 4.5m / 1'6" – 14'7"
Linear field of view	HxW 344 x 410mm, closest range
Linear field of view	HxW 3100 x 3630mm, furthest range
Angular field of view	HxW 38 x 44°
Video frame rate	10fps
Exposure time	0.005 - 0.025s
Data acquisition speed	900,000 points/s
Dimensions, HxDxW	160 x 60 x 330 mm / 6.3 x 2.4 x 13 inches
Weight	1.7kg / 3.7lb
Power consumption	Internal 12V battery operated, 60W Interface USB2.0
Calibration	No special equipment required
Environmental vibrations	Unaffected due to dynamic referencing system
Working temperature	-10 to 50°C / 14 to 122°F

Software Specification

Multi-core processing	Yes
Output formats	STL, ASCII, PLY, PTS
Supported OS	Windows 8/10

Already Popular Within The Most Demanding Circles



Maritime

Capturing 3D data on off-shore platforms whilst in motion.



Defense & Military

A rugged system designed with field operations in mind.



Forensics & Law Enforcement

Crime scene documentation in record speed, without touching or tampering the evidence on site.



Architecture, Construction & Engineering

Capturing 3D data in areas with previously limited scanning accessibility.



Oil & Gas

Capturing cluttered and hard to reach places such as complex piping.



Research & Education

Advanced algorithm development from dynamic scenes for human motion analytics.

About OR3D

OR3D is a Mantis Vision hardware partner, providing CAD, reverse engineering and inspection services through the range of Mantis Vision products. As the UK's main partner to Mantis Vision, we supply and provide training for PocketScan 3D, F5B - Short Range, F5B - Long Range and F6.



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