

MANTIS VISION POCKETSCAN 3D

Professional grade 3D camera



**Superior data quality for pros.
Usability and affordability for all!**

The PocketScan 3D is the ultimate 3D camera available on today's market. It combines an affordable scanning solution with superior scanning features for professional results. Its small sized form factor and ease of use allows both professional and non-professional users, developers, creators and hobbyists to create 3D modeling on-the-go. The PocketScan 3D is ideal for automotive, industrial and academic applications, orthotics & prosthetics and building & restoration application.



MANTIS VISION
3D that works for you






Technical Specifications

Hardware Specification	
3D point accuracy	better than 1mm @ 0.5m distance better than 2mm @ 1m distance
XY point density	3mrad Unlimited in stitched mode
Accuracy	0.2% from measured dimension
Eye safety class laser	Class 1
Ambient lighting	Indoor environment only
Working range	0.25 – 1m
Linear field of view	HxV 33° x 54° HxW 592 x 1020mm @1m
Angular field of view	HxV 33° x 54° HxW 592 x 1020mm @1m
Video frame rate	10fps to 30fps
Exposure time	0.005 - 0.042s
Data acquisition speed	speed 600,000 points/s
Dimensions	HxDxW 120 x 60 x 30mm
Weight	0.25kg
Power consumption	3W
Interface	USB 3.0
Calibration	Calibration board
Environmental vibrations	Unaffected due to dynamic referencing system
Working temperature	10 to 30C
Minimum Computer Requirements	USB3 interface, NVIDIA graphic card 640M and above, Quad core processor


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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