



reddot winner 2024
best of the best



MIRACO Pro 3D Scanner

All-in-one 3D Scanner

MIRACO Pro 3D Scanner

Featuring a robust quad-depth camera system, MIRACO Pro offers remarkable accuracy ranging from ultra-fine detail capture to broader area scans.

Far-mode & Near-mode

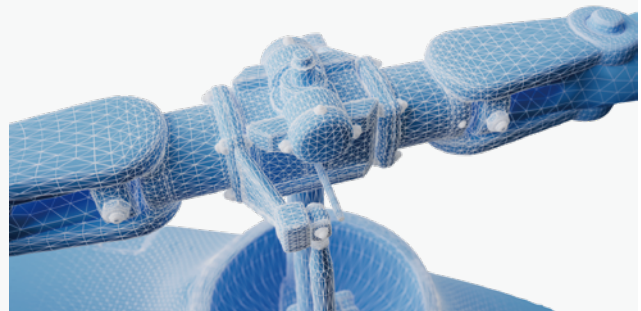
Go Big, Go Small



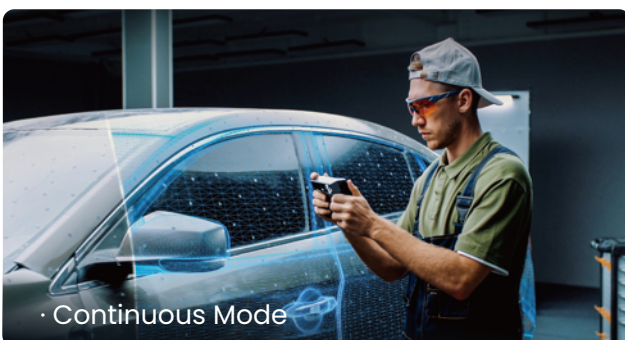
Surgical Accuracy

Switch mid-scan between capturing fine detail with a near-mode accuracy of up to 0.05 mm or capturing large areas with a far-mode accuracy of up to 0.3 mm.

Up to **0.02 mm** Precision
0.05 mm Accuracy



Two Capture Modes





8K Color Capture



48-megapixel
RGB Camera

Powerhouse in Your Hands

8-core 2.4 GHz Processor | 256 GB Hard Drive



32

GB RAM
MIRACO Pro

Up to **10000** Frames*
for None Color Scans

Up to **8000** Frames*
for Color Scans

* Maximum number of frames in a single scan.

No Cables, No PC Needed

MIRACO Pro comes with its own custom scanning software running on Android 12. Its intuitive UI makes capturing and post-processing your model a breeze. Perform fusion, meshing, and editing on the go to check model quality without transferring your project to a PC.



15
fps

Up to 15 fps
Scanning Speeds



Stabilized Scanning
9-axis IMU



Up to 2 Hours
of Scanning



Scanner Weight
Only 750 g

Specifications

Product Name	MIRACO Pro 3D Scanner
Technology	Quad-camera Infrared Structured Light
Single-frame Precision, up to ^①	0.02 mm
Single-frame Accuracy, up to ^②	0.05 mm
Fused Point Distance, up to	0.05 mm
Working Distance	100 - 1000 mm
Single Capture Area at Nearest Distance	28 × 53 mm at 100 mm
Single Capture Area at Furthest Distance	975 × 775 mm at 1000 mm
Minimum Scan Volume	10 × 10 × 10 mm
Maximum Scan Volume	4 × 4 × 4 m
Scanning Speed, up to	15 fps
Camera Resolution, up to	Depth Camera: 2 Megapixels RGB Camera: 48 Megapixels
CPU	8 core ARM A76, 2.4 GHz, Mali G52 GPU
3D Light Source ^③	Class 1 Infrared Light
Memory (RAM) + Internal Storage	32 GB + 256 GB
Fill Lights ^④	Depth Camera: 8 RGB Camera: 2
Position Sensors	9-axis IMU

Notes:

- ① ② Precision and Accuracy were both acquired in a controlled lab environment. Actual results might vary, subject to the operation environment.
- ③ Class 1 Laser: Avoid direct eye exposure for extended periods! Refer to Standards for Class 1 Lasers for details.
- ④ This product has flashing lights, which may not be suitable for people with photosensitive epilepsy.

 +1 (888) 807-3339

 sales@revopoint3d.com

 www.revopoint3d.com



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