



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



Screw Size: 9.97 × 51.2 mm



Helicopter Length: 12.95 m

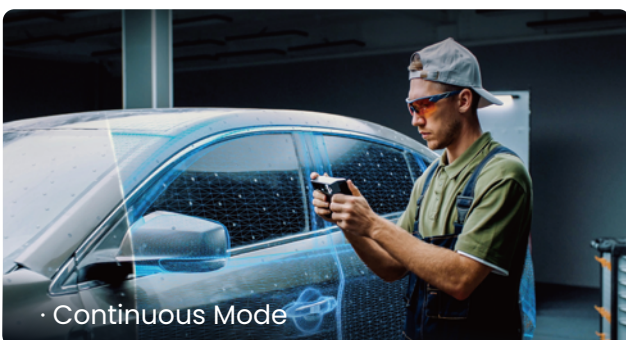
Surgical Accuracy

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



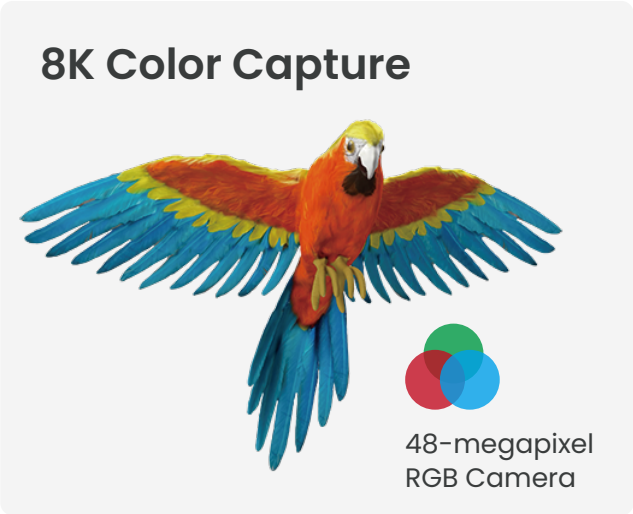
Two Capture Modes



· Continuous Mode




· Single-shot Mode



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.



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