

Revopoint Miraco Pro 3D Scanner



Model: Miraco Pro

Manufacturer: REVOPOINT

EAN: 6975577880321

Product Code: 1085662

R50,343

Revopoint Miraco Pro 3D Scanner

Immerse yourself in a new era of mobile 3D scanning with the Revopoint Miraco Pro, an ultralight and fully wireless scanner that runs continuously for up to two hours on a single charge. The four-camera depth system allows you to switch seamlessly between fine detail mapping (0.02 mm) and high-speed scanning of large objects (0.2 mm), available in Single Shot and Continuous Shot modes. A powerful 2.8GHz octa-core processor, 32GB of RAM and 256GB of internal memory accommodate up to 10,000 frames of scans without color and up to 8,000 frames in color, while a 6-inch AMOLED 2K screen with 180° adjustment and advanced post-processing features allow you to work without a computer. Photorealistic colors are provided by a 48MP RGB camera, while a 9-axis IMU, IP45 certification and Wi-Fi 6 guarantee reliability in all conditions. Discover how easy it is to transfer reality to the digital world!

Wireless freedom and compact design

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The Revopoint Miraco revolutionizes the approach to 3D scanning, combining unparalleled mobility with a lightweight body weighing just 750g. With a built-in 5,000mAh battery and 50W fast charging technology, the device runs continuously for about two hours and takes just a moment to renew its power. This means you can completely forget about cables and stationary workstations - scan where you want, without compromise.

Infinite possibilities for detail and scale

With its Quad Depth Camera system, Miraco seamlessly switches between capturing the smallest features (for example, a 33 × 10 × 10 mm screw) and imaging large objects (such as a 600 × 138 × 220 mm muffler). This dynamic combination allows the scanner to maintain surgical precision to as much as 0.02 mm in a single shot, while scanning larger forms to within 0.2 mm, without having to change equipment or prepare different modes.

Dual-mode image capture

In situations requiring detailed mapping of complex surfaces, Single Shot Mode eliminates issues with loss of tracking and difficulties with contrasting textures. When speed is the priority, Continuous Shot Mode allows for operation at up to 20 frames per second, significantly accelerating the process of creating 3D models of both small and large objects.

Independence without compromise

Miraco is equipped with an 8-core 2.8 GHz processor, 32 GB of RAM (random-access memory), and a 256 GB hard drive, allowing you to store up to 10,000 grayscale scan frames and up to 8,000 color scan frames. Advanced point cloud processing and model editing features are available on the device—you don't need a computer to view the scan results. Everything is displayed on a 6-inch 2K AMOLED screen (Active-Matrix Organic Light-Emitting Diode, an advanced display technology that uses organic light-emitting diodes), which you can adjust by 180°, adapting the frame to any measurement situation.

Photorealistic colors and safety features

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The 48MP RGB camera used in the Miraco guarantees vivid, accurate color reproduction in both single shots and continuous mode. Additionally, the nine-axis IMU (Inertial Measurement Unit, a module that measures an object’s acceleration and angular velocity in space using accelerometers and gyroscopes) ensures stable and accurate motion tracking, while the IP45 rating allows operation at temperatures ranging from –10 °C to 40 °C, making the scanner ready for use in extreme conditions. Support for Wi-Fi 6 and the face-scanning feature while taking selfies expand the device’s applications, making it an invaluable tool for engineers, designers, and content creators.

Included in the set

- Miraco Pro 3D scanner
- 4x calibration plates for long-range scanning
- calibration plate case
- USB Type-C to HDMI adapter
- tripod
- mini gimbal
- bust (for scan testing)
- rotation stand cover
- power cable for the rotation stand
- storage bag
- calibration plate for close-up scanning
- wrist strap
- dual USB Type-C port adapter
- USB Type-C to C cable (1.8 m)
- cleaning cloth
- stickers
- user manual

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Technology used	Quad-camera infrared structured light system with optical zoom and ultra-high resolution for photogrammetric metrology
Single-frame precision	Up to 0.02 mm
Single-frame accuracy	Up to 0.04 mm
Photogrammetric length accuracy	0.02 mm + 0.05 mm x L (m)
Point of convergence distance	Up to 0.05 mm
Working distance	100 - 1000 mm
Single capture area at the closest distance	28 x 53 mm @ 100 mm
Single capture area at maximum distance	975 x 775 mm @ 1000 mm
Minimum scan volume	10 x 10 x 10 mm
Maximum scan volume	4 x 4 x 4 m
Scan speed	Up to 20 frames per second
Camera resolution	Depth camera: 2MP, RGB camera: 48MP
CPU	8-core ARM A76, 2.4 GHz, Mali G52 GPU
3D light source	Class 1 infrared light
RAM and internal storage	32 GB + 256 GB
Fill lights	Depth camera: 8, RGB camera: 2
Sensors	9-axis IMU

GPSR Link: https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_scanners.pdf, Gross weight: 5330, Box length: 48,00, Box width: 28,00, Box height: 15,50, Net weight: 750, Information about data generation: <https://dataact.innpro.pl/revopoint/6975577880321>

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