



Skaner 3D Revopoint Miraco Plus



Modelis: Miraco Plus

Gamintojas: REVOPOINT

EAN: 6975577880819

Prekės kodas: 352420

2,125.99€

Revopoint Miraco Plus 3D Scanner

The Revopoint Miraco Plus 3D scanner, awarded the prestigious Red Dot Award 2024, is a versatile solution that combines the ultra-precision of photogrammetric metrology with the flexibility of scanning both smaller parts such as screws and large industrial objects. With twice the optical magnification and speeds of up to 20 frames per second, you gain clear and fast registration of even the most complex shapes, while the 48MP RGB camera provides vivid, natural color reproduction in 8K quality. The built-in 9-axis IMU stabilizes every movement, eliminating blur, and the 180° tiltable 2K AMOLED screen allows you to intuitively view your progress in real time. With a four-step workflow (marker preparation, photography, point cloud calculation and capture, and processing and export), Miraco Plus streamlines prototyping and advanced design, offering the highest quality measurements without the need to hire additional services.

Innovative photogrammetric metrology

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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At the heart of Miraco Plus is an ultra-efficient photogrammetric metrology system that reduces the accumulation of errors in real time when connecting successive fragments of the point cloud. It's thanks to it that every shape, even the most complex, from impressive sculptures to tiny mechanical components, is mapped with unparalleled consistency. With the accuracy of a single frame reaching up to 0.04 mm, you won't miss a single detail. Photogrammetric length accuracy of $0.02 \text{ mm} + 0.05 \text{ mm} \times L \text{ (m)}$ ensures that your model is true to actual dimensions.

From microscopic screws to large industrial objects

The Miraco Plus can easily handle both delicate jewelry pieces and large automotive or motorcycle components. The 2x optical magnification allows you to focus on the finest details, and the capture speed of up to 20 frames per second means you'll scan even long objects quickly and smoothly. You'll adjust the two operating modes (Single-shot and Continuous) to suit your needs, no matter how complex the surface you're scanning.

Unmatched color quality and stability

The built-in 48 MP RGB camera captures the full color spectrum in 8K quality, so finished 3D models require no additional color correction. Stabilization based on a 9-axis IMU (Inertial Measurement Unit, a module that measures the acceleration and angular velocity of an object in space using accelerometers and gyroscopes) eliminates blurring and shake, even when you're working in the field or without a tripod. A large, 2K AMOLED (Active-Matrix Organic Light-Emitting Diode, an advanced display technology that uses organic light-emitting diodes) screen, which tilts 180°, allows you to monitor scanning progress in real time and in any position.

Intuitive four-step workflow

The entire digitization workflow boils down to four simple steps, carried out without moving the data off the device until the final export - the first step is preparation (deploy the included tape measures, coded targets and markers on or around the object - they are the reference for photogrammetric analysis), photography (take photos from different angles and heights, until every part of the object is in the frame), calculating and capturing point clouds (Miraco Plus automatically recognizes marker positions, merges the shots and creates a consistent point cloud), and processing and exporting (advanced software allows you to correct, filter and edit the model, then export the finished file to a

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desktop or cloud with a single click).

Included

- Miraco Plus 3D scanner
- tape measures
- set of magnetic markers
- set of stick-on markers
- tripod
- turntable
- bust (for scanning)
- cover for turntable
- markers
- 65W adapter with dual USB Type-C port
- calibration plate for scanning from a distance x4
- calibration plate carrying case
- calibration plate for close-up scanning
- "magic mat" x2
- USB Type-C to HDMI adapter
- USB Type-C to Type-A adapter
- wrist strap
- storage bag
- user manual

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|-----------------------------------|---|
| Manufacturer | Revopoint |
| Model | Miraco Plus |
| Technology | Quad infrared structured light camera with optical zoom and photogrammetric metrology |
| Single frame precision | 0.02 mm |
| Accuracy of a single frame | 0.04 mm |

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|---|--------------------------------------|
| Photogrammetric length accuracy | 0.02 mm + 0.05 mm x L (m) |
| Fusion point distance | 0.05 mm |
| Working range | 100 - 1000 mm |
| Single capture area at closest distance | 28 x 53 mm at 100 mm |
| Single capture area at farthest distance | 975 x 775 mm at 1000 mm |
| Minimum scan volume | 10 x 10 x 10 mm |
| Maximum scan volume | 4 x 4 x 4 m |
| Scanning speed | 20 fps |
| Camera resolution | Depth camera: 2MP, RGB camera: 48MP |
| CPU | 8-core ARM A76, 2.4GHz, Mali G52 GPU |
| 3D light source | Class 1 infrared light |
| RAM and internal memory | 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: 6700, Box length: 47,00, Box width: 34,00, Box height: 16,00, Net weight: 750, Information about data generation: <https://dataact.innpro.pl/revopoint/6975577880819>

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