

Skaner 3D Revopoint MetroX Pro Advanced



Model: METROX-PRO-ADVANCED

Manufacturer: REVOPOINT

EAN: 6975577881762

Product Code: 1084831

R29,484

Revopoint MetroX Pro Advanced 3D Scanner

The Revopoint MetroX Pro is an advanced 3D scanner that combines multi-line laser and structured light technology, offering precision of up to 0.01 mm and accuracy of up to 0.02 mm. The device supports 4 scanning modes and achieves speeds of up to 7,000,000 points per second in full-field mode and up to 2,000,000 points per second in laser mode. This allows for the quick and accurate mapping of objects ranging in size from 10 × 10 × 10 mm to 1 × 1 × 1 m, making it a versatile tool for engineering and design applications. The Advanced variant includes an additional set of markers.

Advanced technologies and measurement precision

The scanner utilizes a combination of Multi-line Laser Scan and Full-field Structured Light Scan technologies, allowing the operating mode to be tailored to a specific task and surface type. Users

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have access to 30 blue cross-line lasers, 15 parallel lasers, and 62 structured light lines, resulting in highly detailed mapping. This solution, combined with a precision of 0.01 mm and an accuracy of 0.02 mm, allows for the capture of even the finest details.

High performance and operational flexibility

Thanks to support for GPU-accelerated scanning and a frame rate of up to 60 FPS, the device enables fast data collection without compromising quality. The scanner offers both handheld and stationary modes, allowing you to adapt your workflow to the type of object and scanning conditions. Support for Feature, Marker, and Global Marker tracking methods enhances operational stability and facilitates scanning of various surfaces.

Wide scanning range and ease of use

The device operates at a distance of 200–400 mm, offering a field of view of $43 \times 33^\circ$. At the closest distance, it captures an area of 160×70 mm, and at the maximum distance, 320×215 mm, allowing for convenient scanning of both smaller elements and larger technical components. The compact design, measuring $209 \times 88 \times 44$ mm and weighing 508 g, facilitates transport and operation in various environments.

Software and System Compatibility

The scanner works with Revo Metro software and allows image streaming from a computer to mobile devices thanks to the Revo Mirror feature. It is compatible with Windows 10/11 (64-bit) and macOS 11.0 or later. Support for PLY, OBJ, STL, ASC, 3MF, GLTF, and FBX allows for easy further processing of models and preparation for 3D printing.

Stable operation and components

The scanner is equipped with a 2.0 GHz quad-core ARM processor and a built-in depth map processing system, which ensures stable and smooth operation during scanning. This allows the device to efficiently analyze data in real time, reducing delays and streamlining the entire 3D modeling process. The use of 12 blue LEDs further supports the optical system, improving the quality of captured data and helping to map details more accurately.

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Included

- scanner
- tripod
- USB-C to USB-C cable
- power adapter
- test scanning model
- markers (6 mm) × 500
- rotating stand
- wrist strap
- carrying case
- calibration plate
- user manual
- magnetic round markers x10
- magnetic dome markers x10
- magnetic pyramid-shaped markers x4
- magnetic strip markers x4

Manufacturer	Revopoint
Model	MetroX Pro Advanced
Scanning type	Handheld or tripod-mounted
Technology	Multi-line laser scanning and full-field structured light scanning
Size of scanned objects	Small to medium
Single-frame accuracy (max.)	0.01 mm
Single-frame accuracy (max.)	0.02 mm
Volumetric accuracy	0.02 mm + 0.04 mm × L (m), where L is the object length
Minimum point-to-point distance	0.05 mm
Working distance	200 ~ 400 mm

Scanning area (nearest distance) 160 × 70 mm at 200 mm

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Scanning area (farthest distance) 320 × 215 mm at 400 mm

Field of view (vertical × horizontal)	43 × 33°
Minimum scanning volume	10 × 10 × 10 mm
Maximum scanning volume	1 × 1 × 1 m
Scanning speed (max.)	2,000,000 points/s (multi-line laser) / 7,000,000 points/s (full field)
Depth camera resolution	No data available
RGB camera resolution	2 MP
Color scanning	Only in automatic turntable mode
Tracking methods	Feature, Marker, Global Marker
Outdoor scanning	No
3D light source	30 blue cross-line lasers 15 blue parallel laser lines 62 blue structured light lines
Auxiliary lighting	12 blue LEDs
White flash LEDs	None
Positioning sensors	None
Processor	4-core ARM, 2.0 GHz
On-board processing	Depth map calculation
Internal memory	None
RAM	None
Touchscreen	None
Buttons	4
Compatible operating systems	Windows 10/11 (64-bit), macOS 11.0 or later
Output file formats	PLY, OBJ, STL, ASC, 3MF, GLTF, FBX
3D print ready	Yes
Wi-Fi	None
Bluetooth	None
Connector type	USB Type-C to Type-C

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Power supply	DC 12V, 3A
Battery	None
Scanner weight	508 g
Dimensions (L × W × H)	209 × 88 × 44 mm

Minimum scanning range (mm): 10, Accuracy (mm): 0.02, Maximum scanning range (mm): 1000,
GPSR Link: [https://psr-](https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_scanners.pdf)
[assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_scanners.pdf](https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_scanners.pdf), Gross weight:
6800, Net weight: 508, Box length: 51,00, Box width: 16,50, Box height: 36,50, Information about
data generation: <https://dataact.innpro.pl/Revopoint/6975577881762>

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