

Skaner 3D Revopoint MetroY Ultra - Standard Edition



Model: METROY-ULTRA-SE

Manufacturer: REVOPOINT

EAN: 6975577881977

Product Code: 1300663

R44,215

Revopoint MetroY Ultra 3D Scanner - Standard Edition

The Revopoint MetroY Ultra is an advanced 3D scanner that combines blue-light technology with a multi-line laser and structured light, achieving a single-frame accuracy of up to 0.015 mm. The device operates at speeds of up to 90 frames per second and captures up to 3,000,000 points per second, resulting in fast and extremely precise object mapping. Thanks to Wi-Fi 6 connectivity, real-time data transfer is possible, and comprehensive support from Revo Metro software ensures a complete workflow—from scanning to analysis and measurement. This solution is ideal for precise quality control and working with small and medium-sized parts.

Industrial-grade measurement precision

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The scanner offers not only single-frame accuracy of up to 0.015 mm but also high volumetric accuracy, ensuring measurement consistency even with larger objects. Such high precision makes the device ideal for applications requiring rigorous quality control and accurate dimensional analysis. It is a tool that helps reduce production errors and increase process repeatability.

Fast and flexible scanning in all conditions

The MetroY Ultra was designed with performance in mind—it offers scanning at up to 90 FPS and extremely fast laser scanning reaching 3,000,000 points per second. The device also performs well in challenging lighting conditions, enabling operation at light intensities of up to 100,000 lux. Support for objects of various sizes—from approximately 50 mm to as high as 1,000 mm—makes the scanner a versatile tool for both small components and larger industrial parts.

5 scanning modes tailored to the task

The device offers five scanning modes utilizing blue light, allowing you to precisely tailor its operation to a specific application. High Speed mode with 34 cross lines enables fast data collection, while Details mode with 15 parallel lines ensures high surface resolution. The single-line mode is designed for scanning deep holes, and structured light allows for the effective mapping of larger surfaces. Additionally, the automatic turntable mode enables unattended scanning of smaller objects, significantly speeding up the workflow.

Professional software and full data control

The scanner works with Revo Metro and Revo Measure software, which offers advanced analysis and measurement functions. The measurement algorithms have been certified by the German metrology institute PTB, confirming their compliance with international standards. Users gain access to an intuitive interface, texture visualization, and the ability to export measurement reports. This allows for a seamless transition from scan to finished analytical data.

Wireless operation

With Wi-Fi 6 support and wireless scanning capabilities, the MetroY Ultra ensures complete freedom from cables. The screen mirroring feature allows you to simultaneously view scanning progress on

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various devices, such as monitors or smartphones. This significantly improves process control and allows you to work comfortably in various environments—both in the office and on the production floor.

Wide application in industry and engineering

The MetroY Ultra is used in many areas—from reverse engineering and rapid prototyping to quality control and preparing models for 3D printing. Thanks to its high accuracy and versatility, it helps reduce project turnaround times and increase precision. It is a tool that truly streamlines design and manufacturing processes.

Included

- Scanner
- Tripod
- USB Type-C to Type-C cable
- Power adapter
- Model sample
- 6 mm markers (500 pcs)
- Dual-axis rotating stage
- Carrying case
- Calibration plate
- Mobile Kit (4th generation)

Manufacturer	Revopoint
Model	MetroY Ultra
Single-frame precision	up to 0.01 mm
Single-frame accuracy	up to 0.015 mm
Volumetric accuracy	0.015 mm + 0.04 mm × L (m), where L is the length of the object
Distance between points	up to 0.05 mm

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Working distance	200–400 mm
Single scan area at minimum distance	152 × 138 mm at 200 mm
Single scan area at maximum distance	332 × 276 mm at 400 mm
Minimum scan volume	10 × 10 × 10 mm
Maximum scan volume	2 × 2 × 2 m
Scan speed	NVIDIA GPU: up to 90 fps CPU: up to 60 fps
Point capture rate	Multi-line scanning: 3,000,000 points/s Structured light scanning: 7,000,000 points/s
RGB camera resolution	2 MP
Processor	4-core ARM, 2.0 GHz
Outdoor scanning	Yes (multi-line laser mode allows operation in lighting conditions up to 100,000 lux)
3D light source	34 blue cross lines 15 blue parallel lines 1 blue line for deep holes 62-line full-field blue structured light
Lighting	12 blue LEDs
Scanner weight	450 g
Dimensions (L × W × H)	211 × 94 × 47 mm

Minimum scanning range (mm): 10, Accuracy (mm): 0.03, Maximum scanning range (mm): 1000,

GPSR Link: <https://psr->

assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_scanners.pdf, Gross weight:

5800, Net weight: 450, Box length: 44,00, Box width: 34,00, Box height: 16,50

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