

Product Name	INSPIRE 3D Scanner
Technology	Dual-camera Infrared Structured Light
Single-frame Accuracy	Up to 0.2 mm
Fused Point Distance	Up to 0.1 mm
Single Capture Area at Nearest Distance	162 x 111 mm at 250 mm
Single Capture Area at Furthest Distance	308 x 225 mm at 500 mm
Working Distance	250 mm – 500 mm
Minimum Scan Volume	50 x 50 x 50 mm
Scanning Speed	Up to 18 fps
3D Light Source	Class 1 Infrared Light
Output File Formats	STL, PLY, & OBJ
Tracking Methods	Feature, Marker
Dimensions (L x W x H)	132 x 45 x 27 mm
Compatible Operating Systems	Windows 10/11 (64-bit), Android, iOS, macOS
Wi-Fi	6
Connector Type	USB Type-C

- Note:
1. Precision is how close repeated measurements of the same object are to each other. Accuracy is how close a measured value is to the actual (true) value. They were both acquired in a controlled lab environment. Actual results might vary, subject to the operation environment.
 2. Class 1 Laser: Avoid direct eye exposure for extended periods! Refer to Standards for Class 1 Lasers for details.
 3. Outdoor scans should avoid direct sunlight.
 4. Some products have flashing lights, which may not be suitable for people with photosensitive epilepsy.



Up to 0.2 mm

Engineering-grade Accuracy



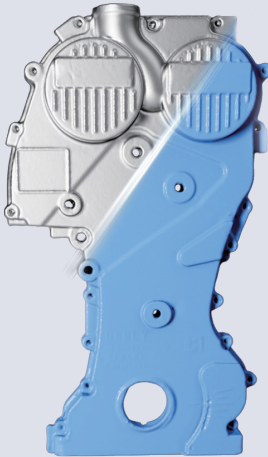
140 g

Compact Design



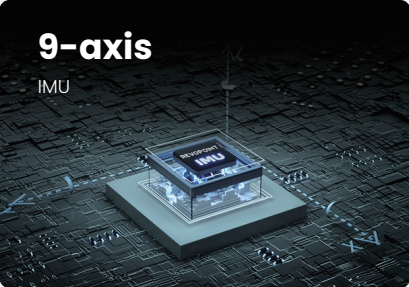
Up to 18 fps

Scanning Speed



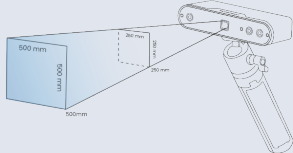
9-axis

IMU



Single Capture Range

Up to 308 x 225 mm @ 500 mm



REVOPOINT



INSPIRE 3D Scanner

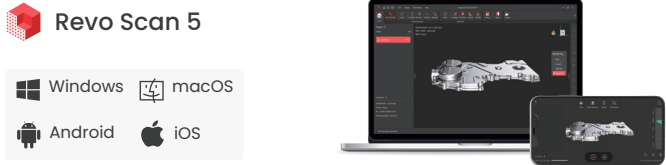
Pocketable Design,
Remarkable Capabilities



INSPIRE is the latest addition to Revopoint's lightweight handheld 3D scanners range. It's packed with advanced technology to provide user-friendly, accurate, and exceptionally cost-effective 3D scans for multiple scanning scenarios.

Runs on Nearly Everything

Revo Scan 5 is your portal to intuitive, user-friendly 3D scanning and powerful editing. And it runs on nearly everything without requiring a lot of RAM, with full support for iOS, Android, Windows, and macOS devices. Export your models in STL, PLY, or OBJ formats for compatibility with most 3D software.



Game 3D Modeling

With a 250–500 mm working distance and scanning speeds of up to 18 fps, INSPIRE quickly captures objects, clothing, equipment, and faces to generate detailed, full-color 3D models for in-game applications. Making it an ideal modeling tool for 3D designers.



Creative Projects

Streamline your creativity with INSPIRE. The accurately captured models are ready for modification to support DIY projects and art creation.



Reverse Engineering

INSPIRE's 9-axis IMU and smart algorithms automatically remove faulty frames caused by shaking hands or fast movements, ensuring efficient tracking and error-free scanning to provide high-quality models for reverse engineering.



Industrial Maintenance

Replace out-of-production parts, create modified parts, customize your motor to your heart's content, and do so without the fear of wrong measurements ruining your hard work.



Preserving History

INSPIRE's 140 g lightweight body provides a comfortable handheld scanning experience for contactless scanning of sculptures, ancient artifacts, and antiques to help preserve and pass on valuable cultural heritage.



Heritage Conservation

Produce detailed full-color scans of historical artifacts and antiques that can be used for restoration, preservation, or education.



Revopoint is a global leader in scanning technology designed to make 3D scanning accessible to people everywhere. Powered by robust R&D investment and state-of-the-art production processes, we've created cutting-edge technologies ranging from micro-structured optical chips to high-precision 3D vision algorithms.

We're focused on global growth through innovation, with our expanding product line-up being sold worldwide. And we're ready to move forward to meet diverse needs and challenges with our solid foundations and innovative spirit.

