2fSlam

The world's first videogrammetric scanner

This groundbreaking 3D scanner uses image-based technology to generate high-resolution point clouds and textured meshes while allowing users to simply walk and scan.

The system combines advanced computer vision algorithms with advance photogrammetry techniques, making it exceptionally user-friendly and accessible to users of all technical backgrounds.

KEY POINTS

Accurate
Produces detailed 3D models with millimetric accuracy, up to 3 mm in close range.

Fast
Scan while you walk, upload to the cloud, and get results in just minutes.

Compact & Portable
Handheld design that lets you scan freely without tripods or heavy equipment.

Versatile
The most adaptive scanner, effortlessly capturing small objects, large structures,.

High-Resolution Results
Produces detailed textured meshes with exceptional accuracy

Walk-and-Scan Technology
Capture while moving, without stopping, for maximum efficiency.

1 Connect
Connect the scanner to the tablet, open the app, and start a new project.

2 Walk
Move naturally around the object or area. The system captures everything automatically.

3 Upload
Send your project to the cloud and get a ready-to-use 3D model in minutes.

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Ready to explore further?

Book a demo and discover how we can take your projects to the next level

Dimensions and Physical Characteristics

Material	ABS Plastic
Dimensions	Ø 120 mm × 151 mm
Weight	800g
Packaging	555 x 428 x 211 mm

Cameras

Camera A	
Resolution	640 × 480 px
Field of View	65°
Frame Rate	25 fps
Camera B	
Resolution	2448×2048 px
Field of View	89°
Frame Rate	10 fps
Camera sensor	Global Shutter

System Performance

IMU 3x3x3	Gyroscope, magnetometer and accelerometer
Real-time visual SLAM	Ø 120 mm × 151 mm
Recommended range	0.4 to 40.0 m
Trajectory accuracy (post-processed)	4 mm*
Relative accuracy (1 m range)	3 mm*
Estimated relative accuracy (20 m range)	2 cm*
Processing	Local & Cloud Processing

*The indoor environment must be well-lit and have non-homogeneous walls. Reflective surfaces should be avoided.

WHERE WE CAN HELP

Construction | **Archaeology** | **Infrastructure inspection** | **Urban planning** | **Forensic investigation**

MINIMUN REQUIREMENTS

To operate the scanner seamlessly, a compatible tablet is required.

- Windows 10 or later
- Intel Core i5 or higher
- 8 GB RAM
- SSD >128 GB
- Wi-Fi or 4G connectivity

Recommended Device
Microsoft Surface Pro+ (or higher equivalent)