SOUTH

ROBOT SLAM

A Survey-grade SLAM Handheld

RobotSLAM Lite

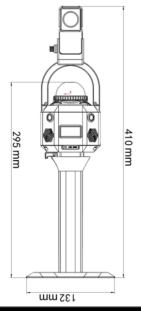
A compact unit, 1.29kg only
Live cloud and trajectory
Max. measuring range 70m
One-key to color point cloud

(V. 202402)

Illustration

All-in-one

Laser scanner + IMU + camera + master control + power supply all integrated into one device.



Laser Sensor

Measuring range up to 70m, scan rate 200,000 pts/sec max., FOV 360 ° x 59 °, anti-interference design.

360° Pano Camera

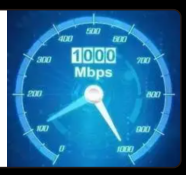
Dual 1-inch CMOS sensor, 6K video resolution, 21MP image resolution.

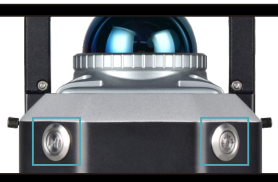
Handgrip Battery

Magazine feeding and lever knob mechanism to well tight between handgrip and device.

Storage & Download

512GB SSD built in, with raw data transfer rate 125 MB/s max.





Main Control & GCP Record Buttons

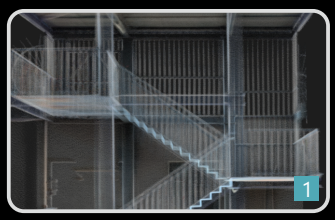
Physical buttons available as well as access via APP interface, convenient in use.

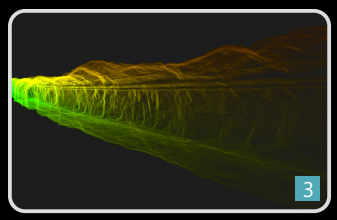
LED Screen

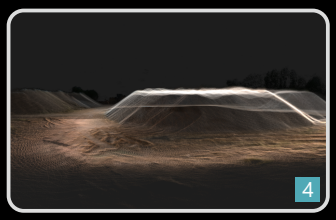
Device status and commands to display, real-time and interactive.

Applications

1. Building Interior
2. Architecture Facade
3. Tunnel Engineering
4. Stockpile Calculation
5. Landscape Reconstruction
6. Emergency Response







Specification

Series	RobotSLAM	Dimension	180x132x312 mm (w/o camera); 180x132x386 mm (with camera)
Model	RobotSLAM Lite		
Laser Wavelength	905 nm	Weight	1.29kg
Laser Safety Class	CLASS 1 (IEC 60825-1:2014), eye-safe	Power Supply	handheld grip with inbuilt battery, cable-free connection
FOV	horizontal 360°, vertical -7°~52°	Endurance	2~2.5 hours
Measuring Range	0.1~70 m (70 m @80% reflectivity; 40 m @10% reflectivity)	Input Voltage	DC 9~27 V
		LED Screen	available
Measurement Rate	200,000 pts/sec	Relative Accuracy	best up to 1 cm
Scanning Rate	10 Hz	Realtime Point Cloud	available
IMU Module	built in, with push frequency 200 Hz (when enabled)	Realtime Trajectory	available
Anti-interference	available	Pano Camera	external, Pano360 II, 2-lens fisheye 360°, 21 MP in total
Temperature	-20˚C～65˚C (operating)，-40˚C～70˚C (storage)	Software	RobotSLAM Palm (smartphone APP) RobotSLAM Engine (PC)
IP Protection	IP 67		

SOUTH
Target your success

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dealer info