GOSLAM®

GoSLAM T-i Series

Real-Time · Efficient
Accurate · Simple

3D Laser Scanning Mobile Measurement System

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T-i Series Portable 3D Scanning Mobile System

Excellent Portable New Scanning Experience

The T-i series is designed with a concept of being lightweight, portable and featuring multi-reconstruction mapping technology. It has a light body, weighing only 1.69 kg, with powerful scanning performance. Its high IP protection rating ensures durability and stability in harsh environments.

Rotating Laser Probe

Continuing the vertical rotating design of laser, with a scanning range from 50m/120m/300m and a maximum point accuracy of 1cm.

Scanning Range	50m/120m/300m
FOV	360°×285°
Scanning Speed	320000/640000 Points Per Sec
Point Accuracy (Max)	1cm
Resolution (Max)	2mm

Full Color Touchable Screen Design

The full color touchable screen design can clearly display information such as device status, battery power and RTK status, making control more intuitive and convenient.

Color Sensor Module

It has a built-in high-definition color sensor and can be paired with an 8K HDR panoramic color module,providing outstanding color performance in both strong light and dark environments.

8K

RTK Coordinate System Output

It can directly obtain WGS84 and CGCS2000 coordinate system data, which greatly facilitates mapping, geographic surveying and engineering measurement.

Mobile APP

Whether it is Android or iOS system, you can easily control the scanning through your mobile phone, preview the point cloud in real time, and save real-time scanning data.

Support Hybrid Processing and Desktop Processing

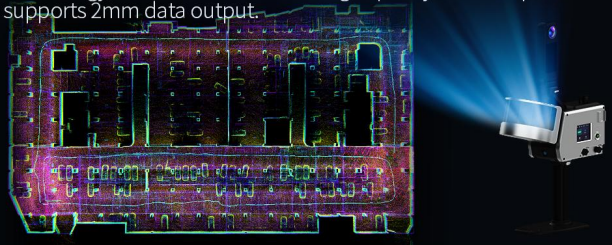
It supports dual high-precision post processing modes in the device and desktop software to meet demands of accuracy and workflow from different customers.

Device End Processing

Desktop Processing

Fourth Generation Mapping Technology

Relying on GoSLAM's powerful fourth generation mapping technology,the T-i series ensures high-quality data output and supports 2mm data output.



3D Gaussian Digital Model Engine

GoSLAM launched a 3D Gaussian digital model engine, a digital matrix software platform that can quickly generate 3D Gaussian digital models to achieve fast, high-fidelity real-scene browsing and in-depth interaction.

Ethernet Port

SDK
GoSLAM SDK

GNSS
Compatible with numerous third-party GNSS receivers

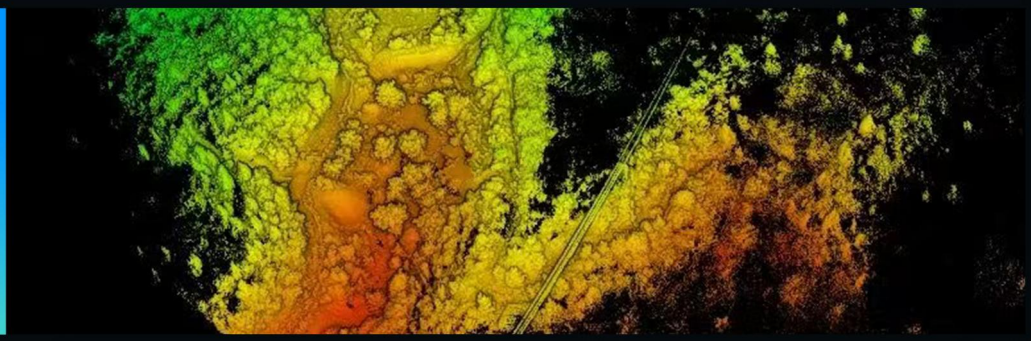
Whether it is handheld, backpack, vehicle-mounted, or mounted on a drone or other platforms, it can be handled easily and flexibly.

Industry Applications

It can be widely used in more than ten industries, covering hundreds of scanning scenarios including urban construction, geographic information mapping, underground facility management, bridge safety monitoring, agriculture, forestry and geology, etc., showing excellent performance and wide applicability.

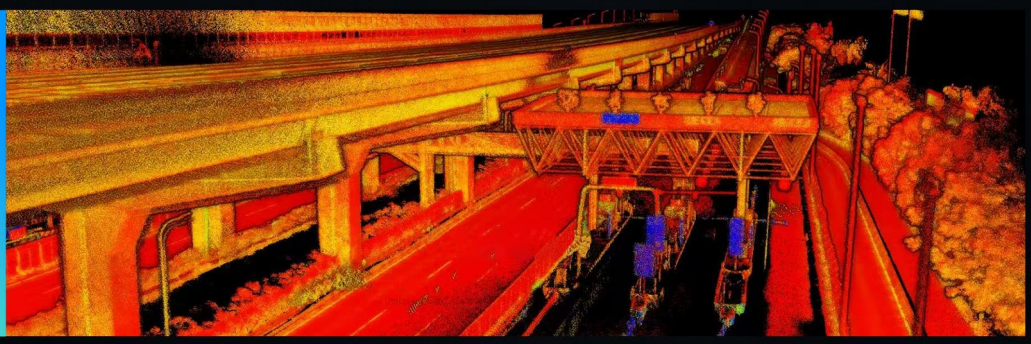
Urban Architecture

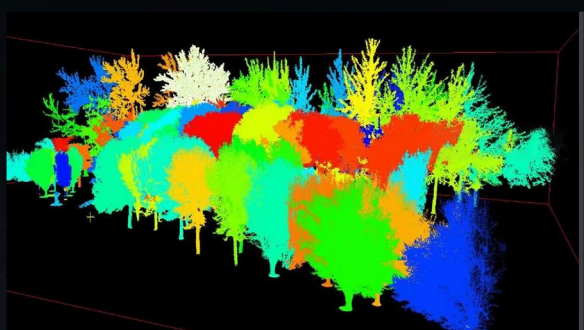
Geographic Information Mapping



Underground Facilities

Bridge Safety





42	24.760	23.992	13.942	0.50
43	27.710	-32.039	19.052	0.26
44	20.612	8.734	11.171	0.20
45	-4.770	-21.032	10.366	0.17
46	-6.987	-32.720	7.933	0.12
47	6.825	-18.347	6.181	0.10
48	6.354	13.666	6.527	0.51
49	27.778	-18.371	16.406	0.18
50	8.786	11.681	6.022	0.41
51	9.025	-2.878	11.132	0.12
52	17.595	2.382	12.711	0.25
53	7.547	4.713	1.369	0.76

Agricultural and Forestry Geology

Accessories

The flexibility of multiple mounting methods (handheld, extension pole, backpack, vehicle, drone, etc.) can greatly broaden the application scenarios and easily meet various demands.

Handheld

Extension Pole

Backpack

UAV

Car-mounted

Scanner chest supporting system

Supporting Software

Control,processing and post-processing software.

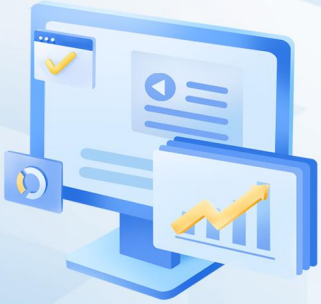
GoSLAM Manager APP

GoSLAM mobile APP integrates functions such as device status viewing, scanner control for data collection, real-time point cloud data preview, local data processing, etc., breaking through physical limitations and allowing users to easily start and manage multiple scanning methods.

GoSLAM Mapping Master Pro

Desktop post-processing software, users can choose the device host and desktop processing methods according to their actual project.It helps to improve the overall operation efficiency and meet various demands.

GoSLAM LidarWorks



GoSLAM LidarWorks is a comprehensive point cloud processing software that supports basic operations such as point cloud browsing, editing, conversion and stitching. It is equipped with a variety of industry application modules, such as forestry, sand ship measurement, pipeline measurement, etc.Furthermore,it optimizes the processing of GoSLAM scanner data to achieve convenient operation of automatic identification of supporting files.

Product Specifications

Product Name	T50i	T100i	T100i Pro	T300i Pro
Laser Level	Class 1	Class 1	Class 1	Class 1
Laser Lines	16 Lines	16 Lines	32 Lines	32 Lines
Panoramic Camera	8K Level	8K Level	8K Level	8K Level
Visual SLAM	Yes	Yes	Yes	Yes
Scanning Range	50m (Farthest)	120m(Farthest)	120m (Farthest)	300m (Farthest)
Scanning Speed	320,000 PTS/Sec	320,000 PTS/Sec	640,000 PTS/Sec	640,000 PTS/Sec
Scanning FOV	360°x285°	360°x285°	360°x285°	360°x285°
Processing Method	Device End, Desktop End	Device End, Desktop End	Device End, Desktop End	Device End, Desktop End
Point Accuracy	1cm (Highest)	1cm (Highest)	1cm (Highest)	1cm (Highest)
Resolution	2mm(Highest)	2mm (Highest)	2mm(Highest)	2mm(Highest)
IP Level	65	65	65	65
Working Time	2 Hours	2 Hours	2 Hours	2 Hours
Working Temperature	-35~50°C	-35~50°C	-35~50°C	-35~50°C
Working Status	Color Touchable Screen, APP	Color Touchable Screen, APP	Color Touchable Screen, APP	Color Touchable Screen, APP
Built-in SSD	512G	1TB	1TB	1TB
External RTK	Support	Support	Support	Support
Built-in RTK Signal	Full Frequencies	Full Frequencies	Full Frequencies	Full Frequencies
Built-in RTK (RMS)	Plane 0.8cm+1ppm Elevation 1.5cm+1ppm	Plane 0.8cm+1ppm Elevation 1.5cm+1ppm	Plane 0.8cm+1ppm Elevation 1.5cm+1ppm	Plane 0.8cm+1ppm Elevation 1.5cm+1ppm
Scanning Positioning	Multi-sensors SLAM Technology	Multi-sensors SLAM Technology	Multi-sensors SLAM Technology	Multi-sensors SLAM Technology
Product Shell	Aviation Grade Aluminum	Aviation Grade Aluminum	Aviation Grade Aluminum	Aviation Grade Aluminum
Weight (Host)	1.69kg	1.69kg	1.69kg	1.39kg
Product Size	26x12.98x29.15cm	26x12.98x29.15cm	26x12.98x29.15cm	26x12.98x28.25cm

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