GoSLAM **T50i**

Real-Time · Efficient
Accurate · Simple

3D Laser Scanning Mobile Measurement System

Excellent Portable New Scanning Experience

The T50i 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 and a maximum point accuracy of 1cm.

Scanning Range	**50m**
FOV	**360°×285°**
Scanning Speed	**320000 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

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.
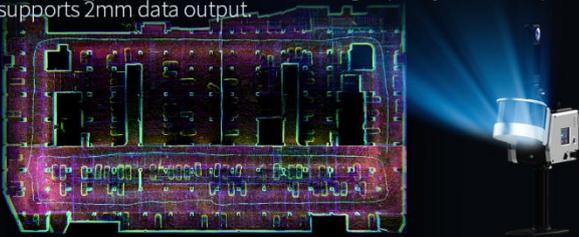
Device End Processing

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.

A variety of mounting methods

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

Handheld   Backpack   Car-mounted   USV   UAV   Extension Pole

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.
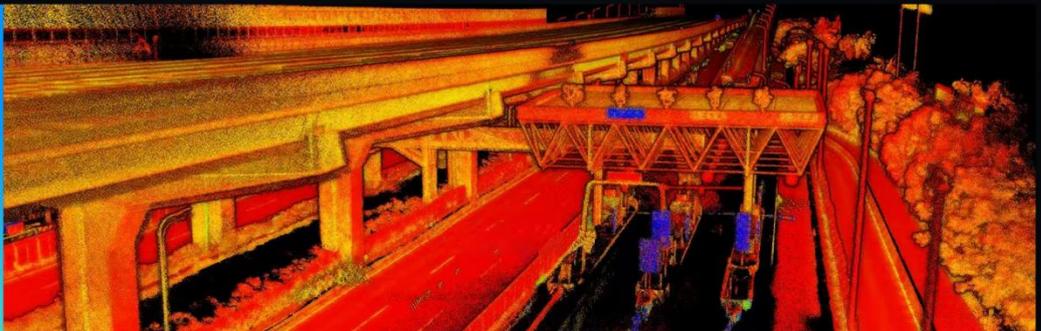

Urban Architecture

Geographic Information Mapping
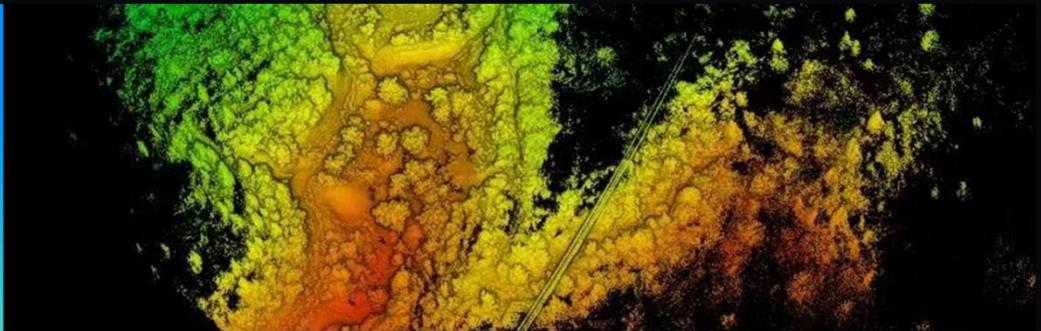
Underground Facilities

Bridge Safety
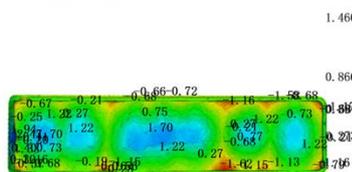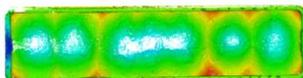
Heap Measurements

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

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		
Laser Level	Class 1	IP Level	65
Laser lines	16 Lines	Working Time	2h
Visual SLAM	Yes	Working Temperature	-35~50°C
Scanning Range	50m (Farthest)	Working Status	Color Touchable Screen, APP
Scanning Speed	320,000 PTS/Sec	Built-in SSD	500GB
Scanning FOV	360°x285°	Scanning Positioning	SLAM Technology (No GPS Required)
Processing Method	Device End, Desktop End	Product Shell	Aviation Grade Aluminum
Point Accuracy	1cm(Highest)	Weight (Host)	1.69KG
Resolution	2mm(Highest)	Product Size	26x12.98x29.15cm

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