

GoSLAM T100i Pro

Real-Time • Efficient
Accurate Simple

3D Laser Scanning Mobile Measurement System



TiooiPro Portable 3D Scanning Mobile System

Excellent Portable New Scanning Experience

The TIOOi Pro 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 120m and a maximum point accuracy of 1cm.



Scanning
Range

120m

FOV **360° X 285°**

Scanning **640000**
Speed **Points Per Sec**

Point Accuracy
(Max) **1 CM!**

Resolution
(Max) **2mm**

Full ColorTouchable 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.



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 to meet demands of accuracy and workflow from different customers.



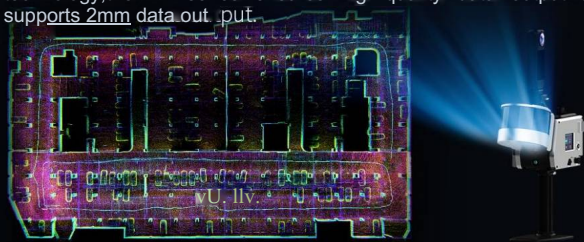
Device End
Processing



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

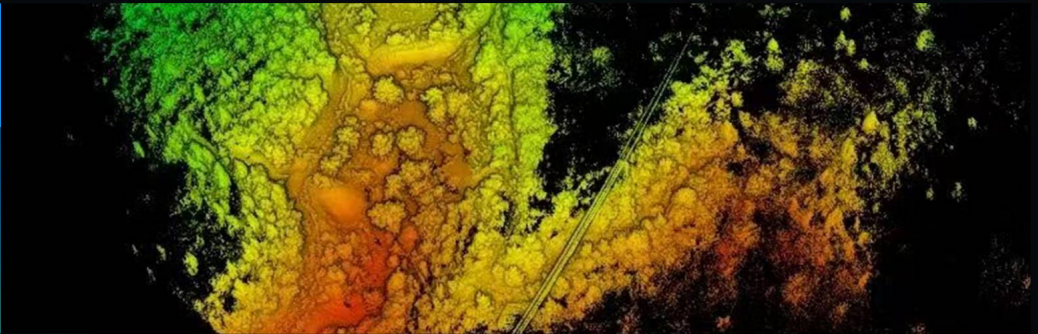
It can be widely used in more than ten industries, covering hundreds of scanning scenarios including urban construction, geographic information mapping, underground facility management, bridge safety monitoring, agriculture, forestry and geology, etc., showing excellent performance and wide applicability.



Urban
Architecture



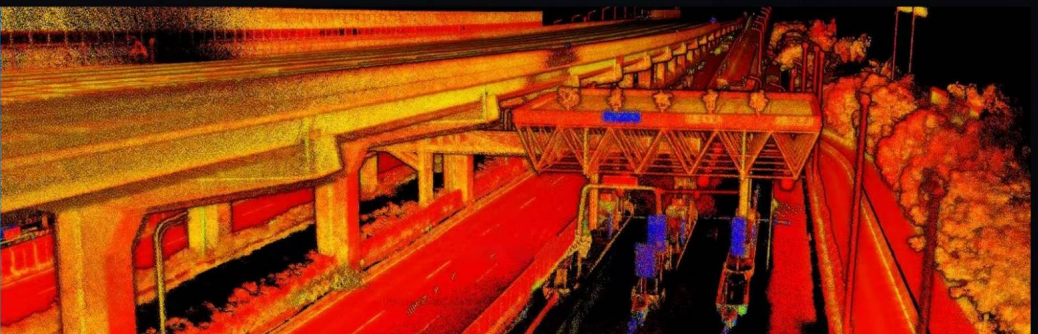
Geographic
Information
Mapping



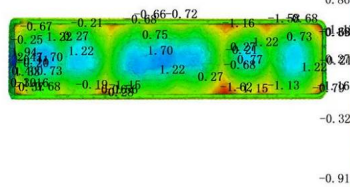
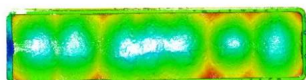
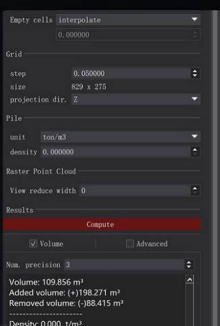
Underground
Facilities



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



Backpack



Car-mounted



Scanner chest supporting system



Extension Pole



UAV





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.



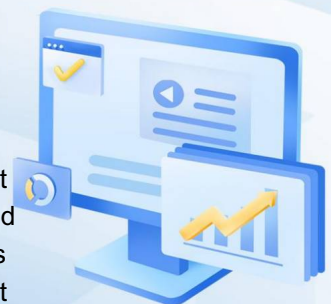
GoSLAM Mapping Master Pro

Desktop post-processing software, users can choose the device host and desktop processing methods according to their actual project.lit 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	T100i Pro		
Laser Level	Classi	IP Level	65
Laser lines	32 Lines	Working Time	2h
Visual SLAM	Yes	Working Temperature	-35~50°C
Scanning Range	120m (Farthest)	Working Status	Color Touchable Screen, APP
Scanning Speed	640,000 PTS/Sec	Built-in SSD	1TB
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

Samrotec

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