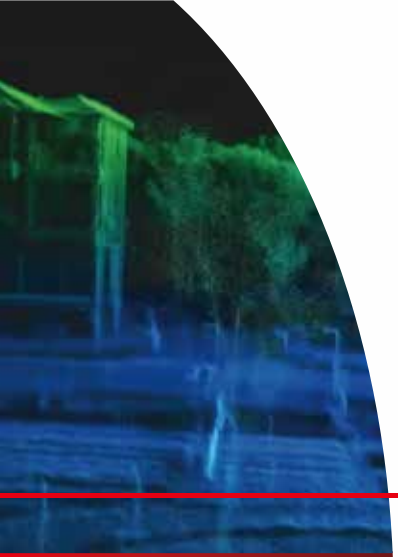


GOSLAM®

GoSLAM T100 Pro

Product Brochure

3D Laser
Scanning
Mobile
Measurement
System

CATALOGUE

Introduction

NEW Style Mobile Measurement

The GoSLAM mobile measurement system uses SLAM technology (simultaneous localization and mapping), which is real-time positioning and mapping technology. It does not rely on GNSS positioning such as GPS, and performs self positioning and incremental 3D mapping in unknown environments such as indoor and outdoor space.

GoSLAM is committing to providing a better user-experienced 3D laser mobile measurement solutions worldwide.

Advantages

T100 Pro has ultra strong weather resistance and can operate under environment of -35-60 ℃.

T100 Pro has a high level of protection against dust and water, suitable of various environments.

RTK Backpack

Vehicle Mode

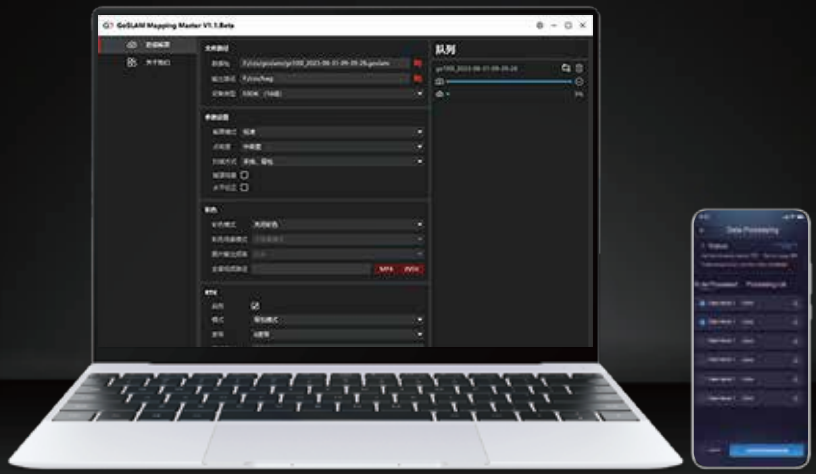
UAV Mode

USV Mode

Inheriting excellent platform compatibility,it supports multiple platforms and scanning modes such as backpack,drone,vehicle,USV and robotic dog,meeting your full imagination for mobile measurement.

Dual Platforms Solution

GoSLAM series' equipment can support dual platforms processing methods either inside the data-logger or on PC desktop.Users can choose their own processing method to improve overall work efficiency and meet needs of various customers.



Product Portable

T Series adopts an all-in-one portable design, helping you easily complete every measurement and feel convenient operation.

Portable, Quick-installed Battery

GoSLAM adopts a portable fast charging battery design which can display the remaining power in real time and support quick installation of plug-in and plug-out.

Touchable Color Screen

A brand new touchable color screen supports device status information displayed and user guidance,making it easier to use and smoother to operate.

Visual SLAM

With built-in high-resolution visual SLAM component, synchronously recording visual images and performing high-precision visual SLAM mapping technology.

The Third-Generation Mapping Technology

T100 Pro adopts a third-generation mapping system which integrates multi-sources' data such as laser sensor and visual sensor.You can choose processing data in the data-logger or on PC desktop software.

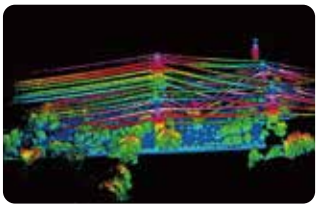
Anchor Point Solution

The unique anchor point solution function can ensure the accuracy and stability of scanning data for indoor and outdoor scenarios with large ranges, low features, and high difficulty.

Multi-Platforms System

Supports multiple scanning modes, such as handheld, backpack,vehicle and drones to meet various demands.

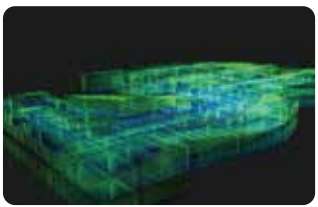
Applications



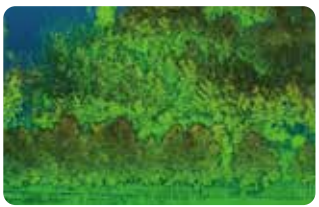
Power Applications

Mine Applications

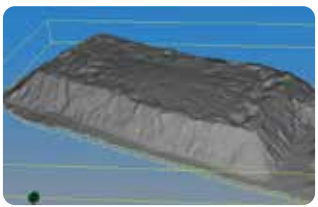
Ancient Architecture Applications



Engineering Architecture



Forestry Survey



Heap Metrology

Compatibility

Backpack Kit

A lightweight kit that can be used to carry GoSLAM mobile scanners, supporting quick installation less than 30 secs.

· Basic Backpack Kit

The backpack kit is a portable kit to carry the GoSLAM T series 3D laser scanning mobile measurement system (excluding GNSS),supporting fast installation.

· Backpack Kit With GCM

GCM backpack kit is a quick kit to carry the GoSLAM T series 3D laser scanning mobile measurement system,equipped with a GCM communication module,supporting third-party GNSS receiver access, real-time and high precision communication with laser scanner equipment.

Car Mount Kit

Can be mounted on the top of a car, allowing the GoSLAM scanner to quickly become an vehicle scanning system for high-speed data collection.

Basic Car Mount Kit

The basic car kit is mounting on the top of car, which enables the GoSLAM T series 3D laser scanning mobile measurement system to quickly become a car scanning system for high-speed data acquisition.

Car Mount Kit With GCM

GCM car kit is a mounting on the top of car,making GoSLAM T series 3D laser scanning mobile measurement system quickly become a car scanning system,equipped with GCM communication module,supporting third-party GNSS receiver access,real-time and high-precision communication with laser scanner equipment.

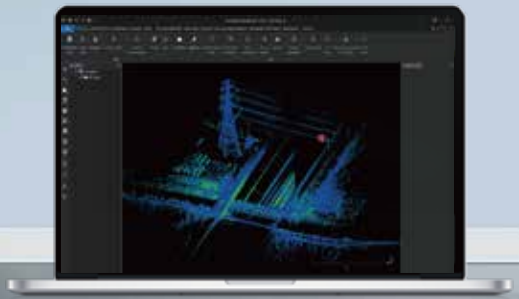
Colour Module

·Support color module lens orientation in front and back, left and right directions;
·Plug to use,easy operations, integrated synchronous acquisition;
·Support 1/2-inch with 5.7K images;
·Data can be colorized automatically and output panoramic images.

Color Point Cloud Data
With Panoramic Image

Color Point Cloud Data

Post Processing Software



GoSLAM LidarWorks

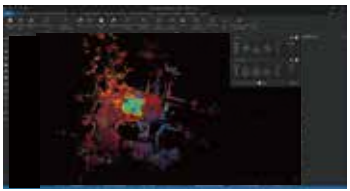
GoSLAM LidarWorks is a powerful point cloud post-processing software that supports GoSLAM's full range of mobile 3D laser scanning systems.

·Working with the scanner function, it can support downloading and archiving point cloud data through network as well as matching anchor control points;

·Support universal point cloud editing and browsing functions which can perform measurement, noise reduction, cropping, merging, coordinate conversion, rotation and offset work on point clouds as well as conventional processing functions such as format conversion and docking with third-party applications;

·At the same time, it also has functions such as automatically point cloud stitching, Mesh model encapsulation, model optimization processing, point cloud volume measurement, point cloud classification, one click removal of moving objects, seven parameter conversion, contour lines and orthophoto images.It can provide industry customized developing functions.

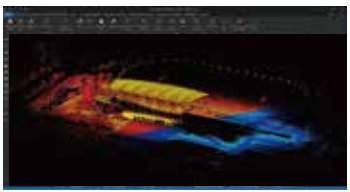
Software



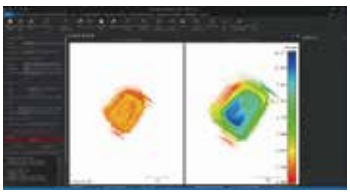
Fast Split Joint

Color Point Cloud

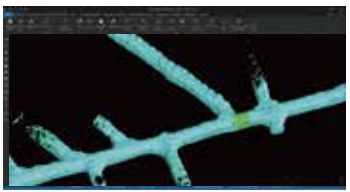
X-Ray Display Mode



Point Classification



Measurement of Pile Volume



Mesh Model Encapsulation

Parameters

Laser Class	Class I Eye Safety	**Number of Laser Lines**	32 Lines	**Laser Sensor**	1
Scanning Distance	120m	**Scanning Speed**	640,000 Points/s	**External RTK**	Support
FOV	360°×285°	**Visual SLAM**	Yes	**Relative Accuracy**	1cm（Highest）
Solution Method	Device/ PC	**Status Display**	LED Color Screen	**Working Temperature**	-35-60℃
Product Weight	1.7KG	**Built-In SSD**	1T (Expandable)	**Operation Mode**	Physical Button +Mobile APP

Multi-Platforms Mounting
Handheld, Backpack, Drone, Car Mount Kit

Product Shell
Aviation Grade Aluminum(High Protection, High Anti-Interference)

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