GOSLAM®

GoSLAM M40

3D Laser Scanning Mobile Measurement System

Handheld · Head-Mounted · Backpack · Drone · Robotic Dog · Extension Rod

70m (Farthest)
Scan Range

1cm (Highest)
Point Accuracy

2mm (Highest)
Resolution

200,000 Points Per Second
Scanning Speed

360°×59°
FOV

Fixed Laser Probe

It continues the fixed design of the laser, with a scanning range up to 70m (the farthest) and a point accuracy up to 1cm.

Real-time Color Point Cloud

During scanning, the color point cloud data can be browsed in real time through the APP and it can be directly exported without processing.

Real-Time Color, Accurate Presentation

The built-in high-definition color image sensor can scan and present true color point cloud data in real time. It can also be matched with a 8K panoramic color module, so that the delicate and realistic data is as what you see it with your own eyes.

8K

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High Protection

It has a high level of protection against dust and water which makes it suitable for various environments.

Super Weather Resistance

It has super weather resistance and can operate in an environment of -35°C~55°C.

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.

Open Design

Open design, supports external power supply and Ethernet port output, and can provide GoSLAM SDK protocol.

Built-in RTK, Precise Positioning

The built-in high-precision RTK makes map construction, geographic surveying and engineering surveying more convenient.

## Support Cross-Platform, Easy To Operate

Regardless of Android or iOS system, what we need is only a mobile phone to control scanning and we can preview the point cloud and data results in real time. It also supports dual high-precision post processing modes either in device or on desktop software to meet the accuracy demands from different users.

Industry Applications

Our products are being used in more than 10 industries with more than hundred types of scanning scenarios, mainly being used in forestry, mining, material volume measurement, tunnels, geographic information, bridges, slopes, and real estate survey etc.
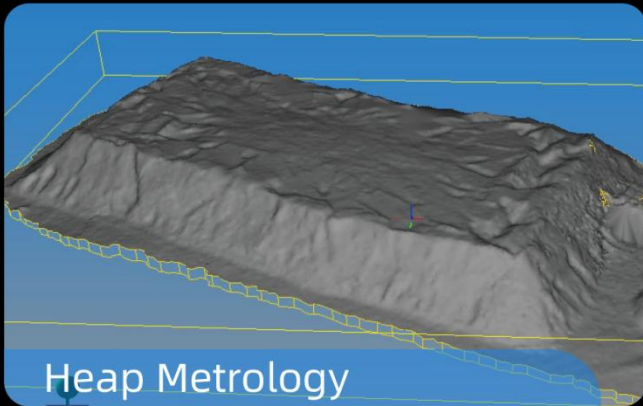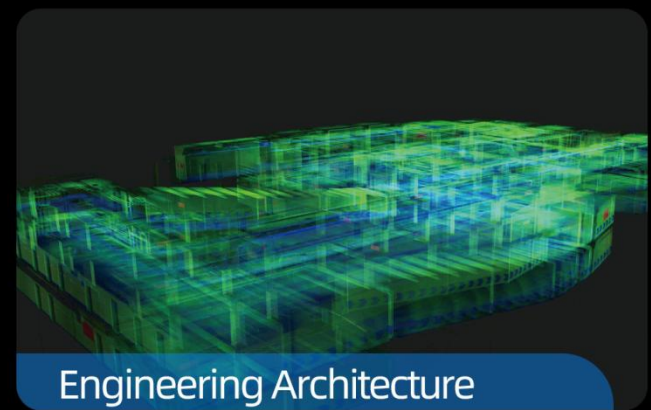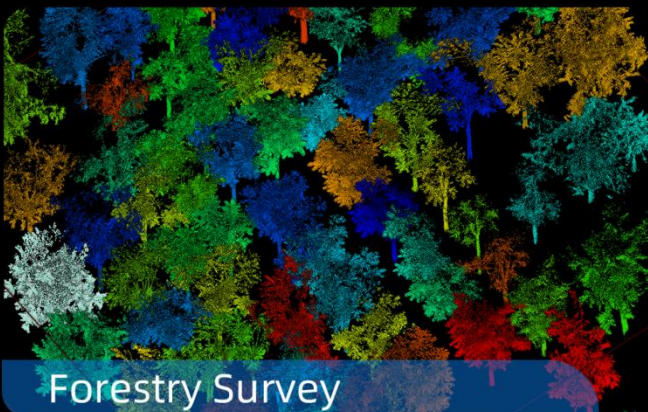

Heap Metrology

Mine Applications

Ancient Architecture Applications

Engineering Architecture

Forestry Survey

Building BlM

Supporting Accessories (Optional)

Whether it is being used with handheld, head-mounted, extension rod, robotic dog and other ways, it can be easily handled and greatly expanded into Wide range of application scenarios.

Handheld
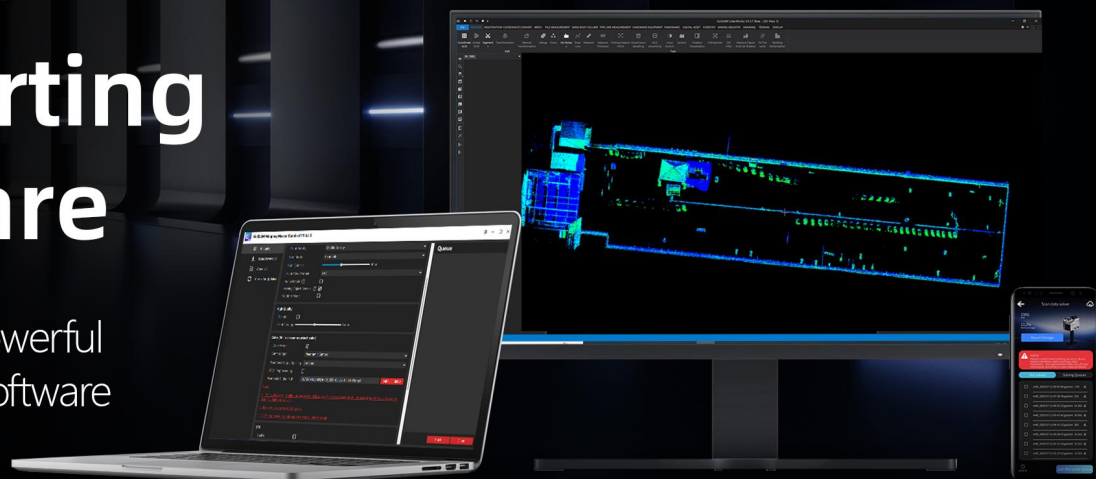
Head-Mounted

Backpack

Drone

Robotic Dog

Extension Rod

GoSLAM

Supporting Software

Equipped With Powerful Post Processing Software

![GoSLAM logo]

GoSLAM Manager APP

The GoSLAM mobile APP can be used to control the scanner,view status of device and scanning on its interface,display point cloud data in real time,and give commands to process data locally.It breaks the physical limitation and offers a brand new scanning method.

GoSLAM Mapping Master Standard

Desktop processing software,users can choose the device host and desktop software processing mode based on their actual projects.It helps to improve overall working efficiency and meet various demands.

Multiple Resolution Modes In Different Scenes

Support to process data in different precision and scanning modes based on different scanning scenes and requirements.

Panoramic Video For Colorization

Support panoramic video synthesis without the need using third-party software to colorize point cloud.One-stop colorization using panoramic video.

Various Scanning Methods

Support using RTK in vehicle,backpack and handheld modes,support geodetic coordinates output and various processing modes based on scanning scenes.

Batch Data Processing

Support data listed in queue,multi batch data processing,no staff required.

Anchor Point Processing

Processing data using known coordinates to perform high-precision correction,ensuring high-precision data can be obtained in handheld mode and it can be used in all scanning scenes.

GoSLAM LidarWorks

GoSLAM LidarWorks point cloud processing software is a powerful point cloud editing and application software.It supports basic functions such as massive point cloud browsing,cropping,noise reduction,smoothing,coordinate conversion and stitching.At the same time,it also supports mesh encapsulation and optimization,linkage between panoramic pictures and point cloud as well as a variety of industry application modules including forestry module,sand boat measurement module,pipeline measurement module,pile measurement module and mining module.When processing GoSLAM scanned data,you can also enjoy convenient operations such as automatic recognition of supporting files.
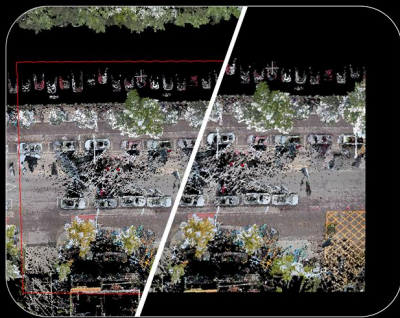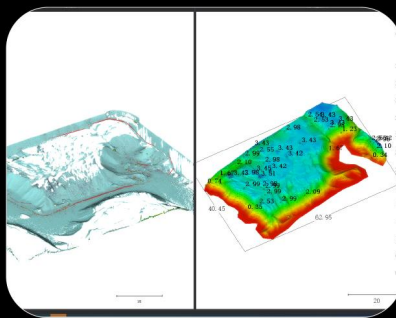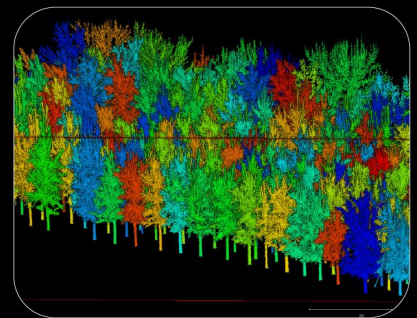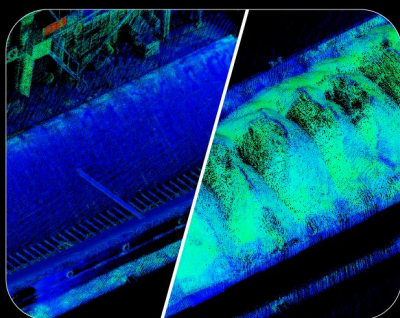

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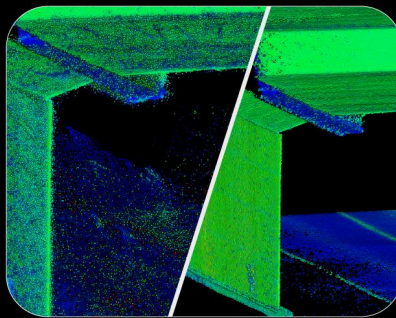
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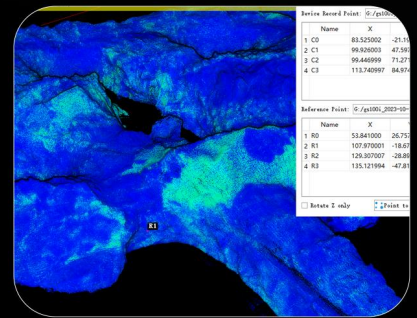
Coordinate Conversion
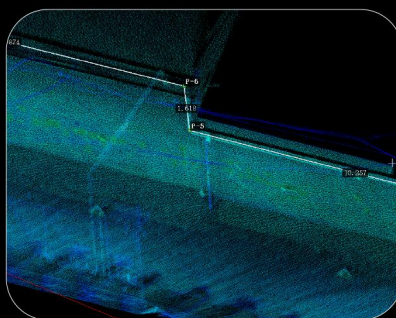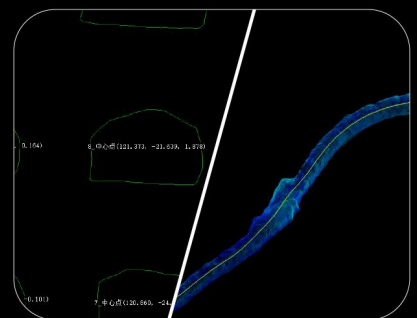

360 Panoramic Pictures Linkage

Pile Measuring Module

Forestry Module

Sand Boat Measuring Module

Pipeline Measurement Module

Mining Module

Product Parameter

M40

Laser Class	Class I(Eye-Safe)
Visual Slam	5 Million Pixels (Front)
Point Cloud Colorizing	Internal Front Camera, Color Module
Color Module	8K 360 Degree Panoramic Camera (Optional)
Scanning Range	40m(10% Reflectivity) 70m(80% Reflectivity)
FOV	360°X59°
Scanning Speed	200,000 Points/Second
Internal Hard Disk	512G Hard Disk
External Third-Party RTK	Support
Solution Method	Real Time, Device End, Desktop End
Scan Positioning	SLAM, Fusion Of Multi-Sensors
Accuracy	1cm(Highest)
Resolution	2mm(Highest)
Working Time	2.5h(There Is No Panoramic Color Module)
Working Temperature	-35°C～55°C
IP Level	66
Material	Aviation Grade Aluminum
Weight	900g (Excluding Battery)
Size	14.3×10.7×27.3cm

M40 RTK

Laser Class	Class I(Eye-Safe)
Visual Slam	5 Million Pixels (Front)
Point Cloud Colorizing	Internal Front Camera, Color Module
Color Module	8K 360 Degree Panoramic Camera (Optional)
Scanning Range	40m(10% Reflectivity) 70m(80% Reflectivity)
FOV	360°X59°
Scanning Speed	200,000 Points/Second
Built In RTK Module	Full Frequency, Single Beidou (Optional)
Built In RTK (RMS)	Plane 8mm+1ppm Elevation 15mm+1ppm
Internal Hard Disk	512G Hard Disk
External Third-Party RTK	Support
Solution Method	Real Time, Device Side, Desktop Side
Scan Positioning	SLAM, Fusion Of Multi-Sensors
Accuracy	1cm(Highest)
Resolution	2mm(Highest)
Working Time	2.5h(There Is No Panoramic Color Module)
Working Temperature	-35°C～55°C
IP Level	66
Material	Aviation Grade Aluminum
Weight	950g (Excluding Battery)
Size	14.3×10.7×27.3cm