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StarScan

Handheld 3D Laser Scanner

StarScan is a portable handheld 3D laser scanner independently designed and developed by Surestar. With a scan speed up to 320,000 points per second, it can capture survey grade data in minutes. In combination with LiDAR and SLAM technology, StarScan enables rapidly acquiring of 3D spatial information of surroundings with high point density at centimeter level accuracy, including for narrow indoor space at GPS deny circumstance. The compact and lightweight design makes it efficient and convenient for both indoor and outdoor mapping. It is widely used for construction / BIM, underground survey, real estate and other industries.



Features

Lightweight and Portable

- Total weight only 1.3kg
- One-button startup
- Easy operation
- Ultra-compact



High Efficiency and High Precision

- Capture 3D pointcloud and movement trajectory within minutes.

Robust and Durable

- Protection class IP 54



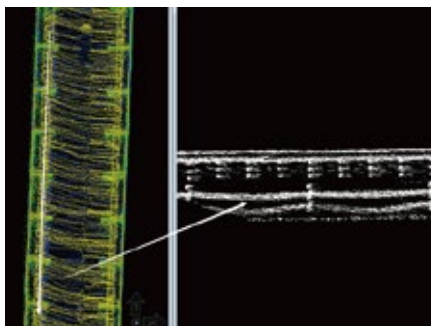
Cost-Effective

- Core sensors are all self-developed by Surestar
- Affordable price
- Low maintenance cost

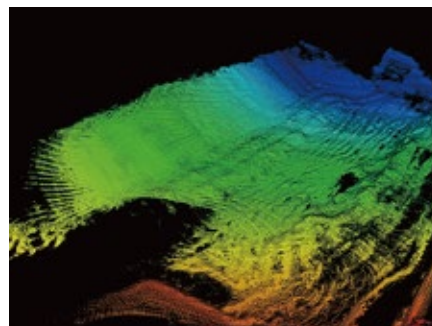
Application



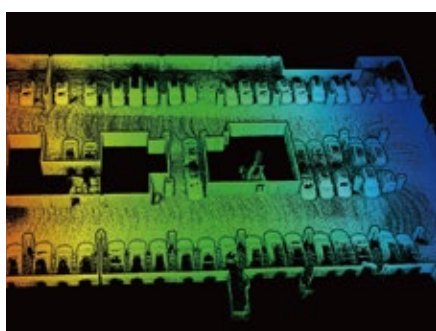
Forestry survey



Underground cable and pipe



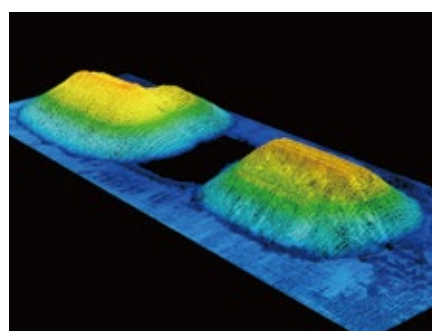
Slope measurement



Underground garage



Power line tower modeling



Stockpile volume measurement

Technical specification

Range	200m
Protection class	IP 54
Processing	Post (Starsolve post processing software)
Interface	Ethernet
One-button startup	√
Relative accuracy	3cm
Data format	Las, ply
FOV	360°×24°
Scan points per second	320,000
Weight	1.3kg
Dimensions	26.1cm*11.5cm*4.5cm
Battery	3400Amh
Application environment	Indoor and outdoor



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