



# 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 can rapidly acquire the 3D spatial information of surroundings with high precision, high density at centimeter level accuracy, especially for narrow indoor space without GPS signal. The compact and lightweight design makes it perfect for indoor surveys. 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 of high density and high precision within minutes.



#### Rugged and Durable

- Protection class IP54 meets outdoor and underground scanning requirements.



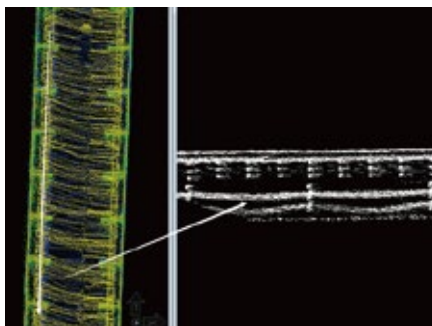
#### High Cost-Effective

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

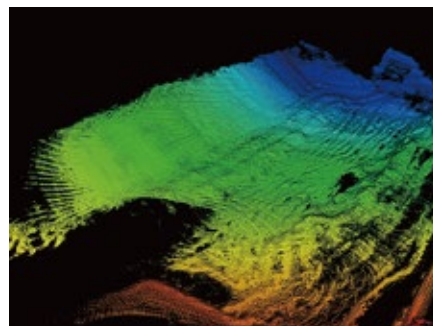
# Application



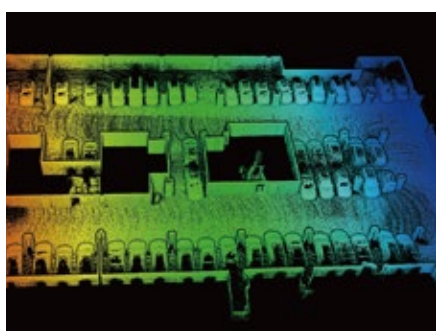
Forestry survey



Underground cable and pipe



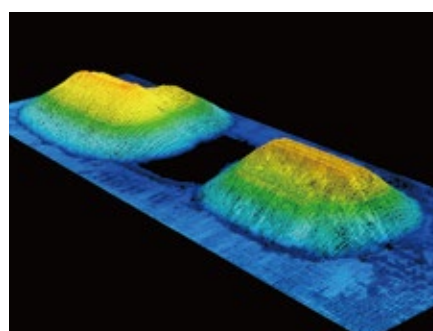
Slope measurement



Underground garage



Power line tower modeling



Stockpile volume measurement

## Technical specification

Range	200m
Protection class	IP54
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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