

Perfection in virtual 3D universe



# EasyScan T05

TERRESTRIAL 3D LASER SCANNER

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## PRODUCT INTRODUCTION

### EasyScan T05

Lightweight & Exquisite | Easy scanning

The overall design of the system is extremely lightweight, and a variety of sensors are highly integrated, which can ensure the rapid and effective acquisition of high-precision true color point clouds under different application scenarios, and lead a new development direction of the terrestrial 3D laser scanner.



## MAIN FEATURES



### High Intergration

With three embedded high-definition cameras and one smart battery.



### Intelligent Workflow

Once click to collect data, it can calaulate and splice data automatically.



### High Accuracy

5mm point cloud accuracy and pixel level colorization.

## APPLICATIONS



Infrastructure Management



Digital Plant



Underground



BIM

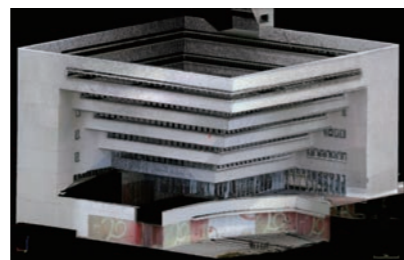
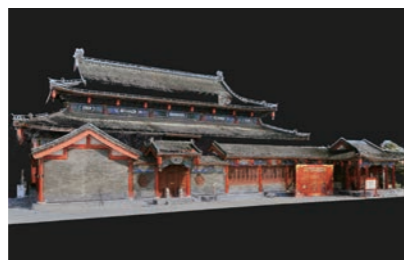


Mine Monitoring



Tank Calibration

## SAMPLE DATA



## SYSTEM PARAMETER

System Parameter	Weight	3.7kg
	Dimension	L125 x W124 x H265mm
	Average Power Consumption	20W
	Battery Duration <sup>①</sup>	2hr for single battery
	FoV	Horizontal 360°, Vertical 268°
	Data Storage	U-Disk 64GB
	Operating Temperature	-10°C~50°C
	Storage Temperature	-20°C~60°C
Laser Scanning Unit	Compatible Platform	Aluminum alloy tripod: Weight 1.92kg; Safeload 8kg ; max. Height 1.49m
	Scan Principle	ToF
	Laser Class	Class I
	Wavelength	905nm
	Measurement Range	0.5m ~ 100m@20%
Operation Performance	Scanning Point Frenquency	320,000pts/s
	Precision <sup>②</sup>	1cm@100m <sup>⑤</sup>
	Ranging Accuracy <sup>③</sup>	5mm@10m, 8mm@30m, 1cm@100m <sup>⑤</sup>
	Minimum Data Collection Time	60s
Embedded Camera	Point Density <sup>④</sup>	1 0 m : >25000pts/m <sup>2</sup> 3 0 m : >3200pts/m <sup>2</sup> 100m: >300pts/m <sup>2</sup>
	FoV	360°
	Image Resolution	66MP

\*Technical parameters and configurations of our products are subject to change without notice

Note:

- ① Tested at 25°C~27°C, charging time and duration will vary depending on conditions;
- ② Precision: it may be affected by the distance to the target, the ambient temperature and the reflectivity of target. The typical value is the average value of the thickness collected by multiple devices within the range of 0.5~100m, the ambient temperature is 25°C and the target is a flat wall.
- ③ Ranging Accuracy: it may be affected by the distance to the target, the ambient temperature and the reflectivity of target. The typical value is the average value measured by each channel within the range of 0.5~70m, when the outdoor ambient temperature is 30°C and the reflectivity of target is 50%;
- ④ Point Density: it may be affected by the distance to the target, the ambient temperature and the reflectivity of target. The typical value is the average value of point density of multiple devices within the range of 0.5~100m, when the ambient temperature is 25°C and the target is a flat wall;
- ⑤ All values based on 1σ.