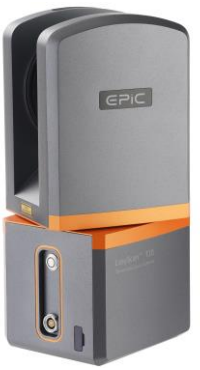
EasyScan

TERRESTRIAL 3D LASER SCANNER

T10

PRODUCT INTRODUCTION



EasyScan T10 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

SYSTEM ADVANTAGES

Convenient Scanning

The whole system is super light and compact. With the help of the unique design of integrated built-in sensors, it can carry out one-click data acquisition and achieve convenient scanning.

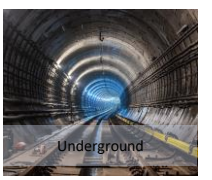
Target-free Registeration

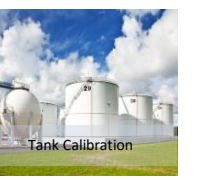
With mature and reliable data processing software, target-free registration can be realized in a variety of modes.

Dual Scanning Mode

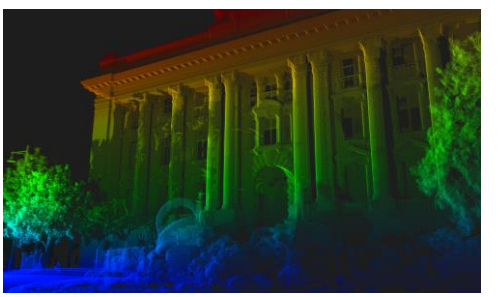
The dual scanning mode is original in the industry. It could meet the data collection requirements of different scenarios.

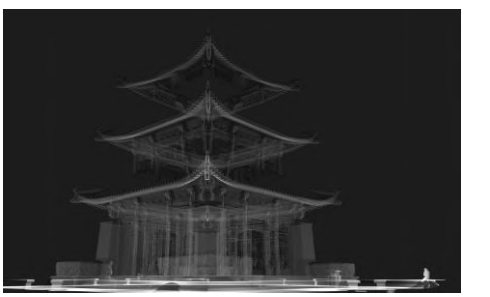
APPLICATIONS





SAMPLE DATA





EasyScan T10 SYSTEM PARAMETER

SYSTEM PARAMETER	Weight	3.2kg
	Dimension	L125×W113×H275mm
	Average Power Consumption	28W
	Battery Duration①	3hr for single battery
	FoV	Horizontal 360°， Vertical 268°
	Data Storage	U-Disk 64GB
	Operating Temperature	-10℃ ~ 50℃
	Storage Temperature	-20℃ ~ 60℃
	Compatible Platform	Aluminum alloy tripod Weight 1.92kg; Safeload 8kg; max. Height 1.49m
LASER SCANNING UNIT	Scan Principle	ToF
	Laser Class	Class I
	Wavelength	905nm
	Measurement Range	0.5m ~ 100m@20%
	Scanning Point Frequency	320,000pts/s
OPERATION PERFORMANCE	Precision②	1cm@100m⑤
	Ranging Accuracy③	1cm@10m， 2cm@30m， 5cm@100m⑤
	Minimum Data Collection Time	45s
	Point Density④	10m： >25000pts/m² 30m： >3200pts/m² 100m： >300pts/m²
PANORAMIC CAMERA (EXTERNAL)	Dimension(with protection box)	L66×W22.5×H160mm
	FoV	360°
	Image Resolution	18MP（6080×3040）

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

Note:

① Tested at 25℃~27℃, 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℃ 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℃ 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℃ and the target is a flat wall;

⑤ All values based on 1σ.

Perfection in virtual 3D universe

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