

EliteScan T1000

Long Range Terrestrial Laser Scanner

EPIC

PRODUCT INTRODUCTION

EliteScan T1000

T1000 is a fully self-developed high-precision and long range of terrestrial laser scanner. The system is designed to be most compact and portable. It can capture 3D topographic data in a wider landscape quickly, enabling to acquire true color of 3D point cloud in most demanding scenarios.



MAIN FEATURES

Long Range

Excellent ranging ability, max. measurement range up to 1400m.

High Accuracy

Millimeter accuracy 5mm@100m,with more precision data details.

IIPR

Developed with independent intellectual property rights, upgrade guaranteed.

Easy Extension

Supports customized integration and SDK.

APPLICATIONS



Polar Scientific Research



Mine Monitoring



BIM



Industrial Metrology



Powerline Inspection

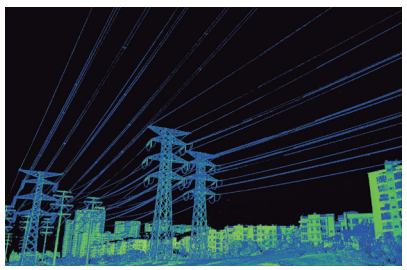


Disaster Survey

SAMPLE DATA







SYSTEM PARAMETER

System Parameter	Weight	7kg
	Dimensions	210mm × 163mm × 270mm
	External Power Supply	Input Voltage 18~33V DC
	Power Consumption	Typical 50W
	Data Communication Interface	GigE
	Humidity	Non-condensing
	Operating Temperature	-20℃~+50℃
	Storage Temperature	-30℃~+60℃
	Dual-axis Tilt Seneor Range	±5°
Laser Unit	Scan Principle	ToF
	Laser Product Classification	Class I
	Wavelength	NIR
	Laser Pulse Repetition Rate	100~2000 kHz
	Max. Measuring Range	1400m
	Min. Measuring Range	1.5m
	Precision	3mm@100m
	Accuracy	5mm@100m
	Laser Beam Divergence	0.35 mrad
	Vertical FoV	100° (-40°~+60°)
	Horizontal FoV	360°
	Scan Speed	Vertical: 12~150 lines/sec
		Horizontal: max. 18°/sec
	Angle Measurement Resolution	0.001°
Camera Unit (Optional)	Resolution of Panoramic Image	Approx.100 MP
	FoV	360°x 110°
	Weight	Approx. 564g
	Storage	Built-in SD Card 128GB
	Dimension	112mm×96.7mm×156.3mm
	Focal Length	16mm
	Expandable	RTK Quick Mouting Adapter

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

The LiDAR Expert

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