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T150 Terrestrial Laser Scanner

Lightweight High-Precision 3D Scanning for Engineering Applications

The T150 features a lightweight design with a high-precision ranging system and an integrated HDR panoramic imaging system, enabling rapid acquisition of dense 3D point clouds with high-resolution color texture.

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Range	Weight	MaxPRR	Precision	Panorama Resolution Approx.
0.5-150 m	3.3 kg	1.2MHz	1.5mm@50m	100 MP

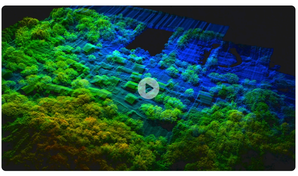
Main Features

Multi-Sensor Integration
Multi-sensor integration delivers reliable data acquisition across complex field environments.

Continuous Field Operation
Hot-swappable batteries and external power support for uninterrupted field operation.

Streamlined Survey Workflow
Automatic multi-station registration reduces field processing time and simplifies complex projects.

Engineering-Grade Accuracy
2 mm accuracy delivers reliable data for demanding applications.



Application

Integrated Field-to-Office Workflow

From field acquisition to final deliverables, EPIC software streamlines point cloud processing with efficient registration, colorization, classification and data export workflows.

Strip Adjustment

Classification

Colorization

Strip Adjustment

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Product Parameters

Pdf Download

laser unit | Camera | IMU | General

Wave Length	NIR
FoV	Horizontal 360°; Vertical 300°(-60°~+90°)
Maximum Vertical Rotation Speed	100 lines/sec
Maximum Pulse Repetition Rate	1.2MHz
Range	0.5~150m
Precision(1σ)	1.5mm@50m；2.5mm@100m
Accuracy(1σ)	2mm@50m；3mm@100m；
Tilt-compensation	Dual-axis ±5°
Inertial Navigation System	MEMS IMU

Video

Visit the YouTube channel

18 Stations, 1 Hour: Rapid 3D Reality Capture with EPICLIDAR T150

High-Precision Challenge in Denver, with "I See What You Mean"!

Related Resources

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