

LiPod Lite

Light Weight and Affordable 3D Scanner

LiPod Lite by GreenValley International makes terrestrial 3D laser scanning (TLS) easier and more affordable than ever before. Its compact and lightweight design makes this high accuracy LiDAR surveying solution easy to transport and operate. LiPod allows users to quickly survey large interior and exterior sites without the need for inserting registration targets.

Lightweight Design

The device weighs only 3.0 kg (6.6 lbs) and is equipped with a carbon fiber tripod.

Cost-effective Reliability

The widely adopted VLP-16 sensor from Velodyne LiDAR powers this accurate 3D laser scanning system at an attractive price.

Wireless Control

Connect to and control the system from any WiFi-enabled device. No cables required.

Automatic Leveling

An integrated high-precision, dual-axis compensator allows users to save time leveling the device at each scanning location.

Multi-Sensor Integration

The multiple sensor design with a panoramic camera makes the LiPod more than just a simple 3D laser scanner.

Full Solutions

Build seamless workflows using various pre and post-processing software solutions from GVI to satisfy the needs for various industries.

Specifications

System Specifications

Dimensions ^[1] (mm)	150*375mm	Battery	5700mAh
Weight ^[1] (Excl. Battery)	3.0 kg	Battery Life	~4 h / Battery
Storage Capacity	128 GB SSD	Ports	USB, Network
Suitable Environment	Indoor and Outdoor	Processor	2 Cores and 4 Threads
System Control and Data Display	Wireless Mode	Smartphone/Tablet Connect via WIFI, Simultaneous Control and Display	
	Wireless Mode	Wire Connection between System and Tablet, Control and Data Transmission	

Data Output

Relative Accuracy	≤3cm ^[2]	Absolute Accuracy	≤5cm ^[2]
Point Cloud Data Format	las, laz, ply, LiData		

Sensor Specifications

Laser Sensor	VLP16	Range Accuracy	±3 cm
Verticle FOV	-15°~ 15°	Horizontal FOV	0°~360°
Maximum Range	100 m		

Camera Specification

Camera	Panoramic Camera	Resolution	18 MP
Sensor Size	1 inch		

[1] The camera module and GNSS module are optional, the weight and dimension of the system may vary depending on the choice of modules.

[2] May be affected by environmental and route planning factors.

