

LIGRIP

Rotating Handheld SLAM LiDAR System

LiGrip is a new series of products launched by GreenValley International. The product adopts a simplistic lightweight design compact body for convenient and versatile operating options. Boasting an integrated Velodyne VLP-16 puck LiDAR sensor and HD camera, LiGrip is a fit for many industry-specific projects. Multi-platform support, combining LiDAR and cutting-edge SLAM algorithms to achieve highly accurate HD mapping in even the most challenging environments.

Specifications

L270mm×W210mm×H120mm	Battery Pack Size	L128.5mm×W64mm×H165mm
1.5kg	Battery	5870mAh
~4h (per battery)	Voltage	18V
USB, Ethernet	Storage	128G SSD
Indoor and outdoor scenarios		
VLP16	LiDAR Accuracy	±3cm
280°×360°	Scan Range	100m
300,000 pts/s		
Panoramic Camera	Resolution	ТВС
≤3cm*	Absolute Accuracy	5cm
Las, Ply, LiData		
	1.5kg ~4h (per battery) USB, Ethernet Indoor and outdoor scenarios VLP16 280°×360° 300,000 pts/s Panoramic Camera	1.5kg Battery ~4h (per battery) Voltage USB, Ethernet Storage Indoor and outdoor scenarios Indoor and outdoor scenarios VLP16 LiDAR Accuracy 280°×360° Scan Range 300,000 pts/s Panoramic Camera Resolution Kesolution

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Advantages

Weather-Resistant Design

With an IP65 protection rating, the LiGrip is rugged and resistant to rain and dust

Lightweight

Minimalistic design with an Aluminum shell provides a light yet sturdy handheld system

I Customizable

Highly adaptable design, allowing for various modular integrations and custom to the users' needs

Applications

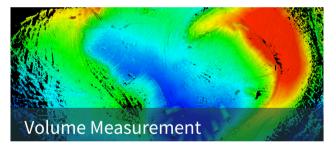
I Versatile

With add-on options allowing for adaptations as a UAV, Vehicle, or Backpack mount, the LiGrip is GreenValley's most versatile LiDAR system to date

Cutting-edge SLAM Algorithm

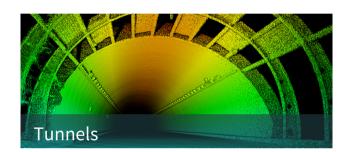
Utilizing GreenValley's very own Industry-leading SLAM (Simultaneous Localization And Mapping) algorithm, LiGrip provides real-time on-the-go accurate positioning as you map your environments

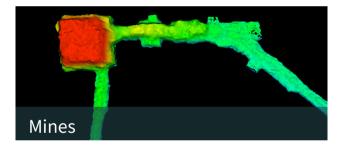


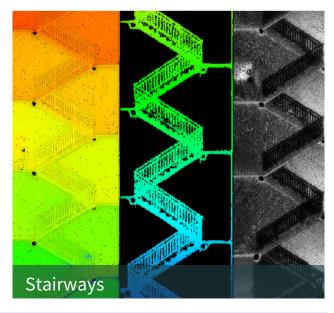












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