



GS-100C+ LiDAR

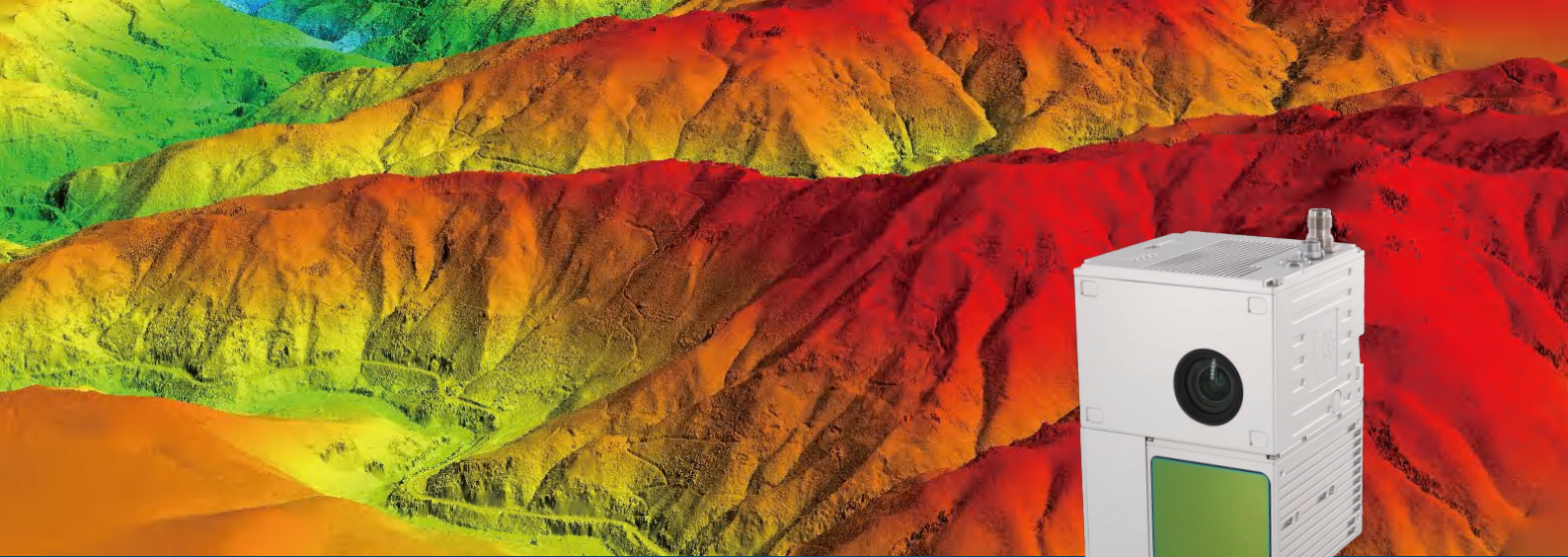
Your First UAV LiDAR Solution

Email:

sales@geosunlidar.com

WhatsApp:

+86 15527360208



ABOUT

GS-100C+ LiDAR Solution

GS-100C+ is an entry-level, short-range detection aerial LiDAR solution independently developed by Geosun Navigation. It integrates a Livox Avia laser scanner, high-accuracy IMU, and a built-in RGB camera. With cost-effectiveness, strong practicability, rich point cloud data, and image information, GS-100C+ is widely used in general mapping, especially for corridor mapping and other industries.



Light Weight

Weighing just 1kg, it's highly portable and easy to handle. Cost-Effective.



Cost-Effective

Make the LiDAR system more applicable and affordable.



Triple Echo

Capture more ground points, even in dense vegetation.



720,000 Points/Sec

High-density point cloud, rich in point cloud information.



Topographic Survey



Forestry Survey



Power Line Patrol



Mine Survey



Construction Project



Smart City Construction



SPECIFICATIONS

General System Performance		
Absolute Accuracy	10cm@100m	
Point Cloud Density	140pts/m²@100m@10m/s	
Real-Time Point Cloud	Support	
Weight	1kg	
Data Storage	64GB Max support 128GB TF card	
Dimension	13.6 x 9.4 x 9.1 cm	
Power Consumption	20W	
Carrying Platform	Multi-Rotor/VTOL	
Operating Temperature	-20° — +55°	
Voltage	12V - 24V	
POS Performance		
Model	gSpin 210	
IMU Update Rate	200 Hz	
GNSS System	GPS L1/L2/L5; GLONASS L1/L2; GAL E1/E5a/E5b; BDS B1c/B1/B2/B2a/B2b/B3	
Position Accuracy	0.020m horizontal, 0.030m vertical	
Pitch Accuracy	0.015°	
Roll Accuracy	0.015°	
Heading Accuracy	0.040°	
Laser Scanner Performance		
Measuring Range	Max. 450m	
Range Accuracy	±2cm	
Laser Line Number	Equivalent to 64-beam	
Data	Trible echo 720,000 Points/Sec	
Field of View (FOV)	70°/4.5°	
Camera		
Resolution	26 MP	
Field of View (FOV)	80°	
Operation Efficiency Table		
Flight Height (m)	Accuracy	Single Flight Operation(km²)
50	≤5cm	0.88
100	≤7cm	1.28
150	≤10cm	1.92
Software		
Point Cloud Automata	World-leading point cloud classification and post processing software	
Mission Planning Software	Customized Route Planning Software — WayPoint Master	



Applications

