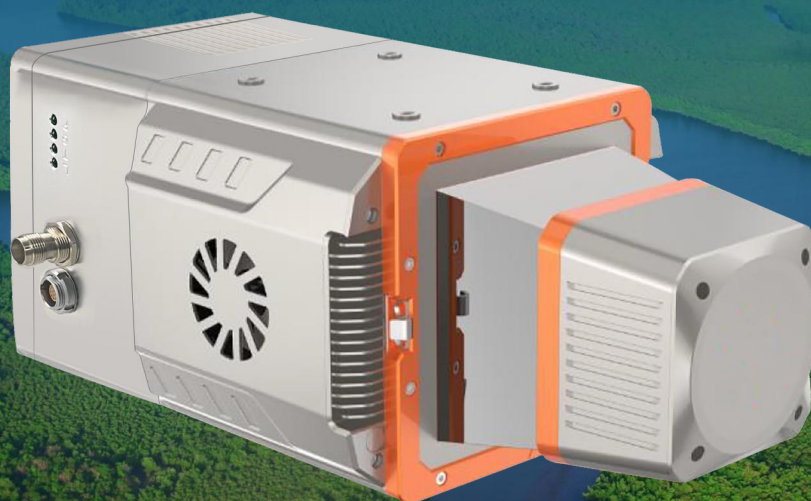




GS-1800N LiDAR

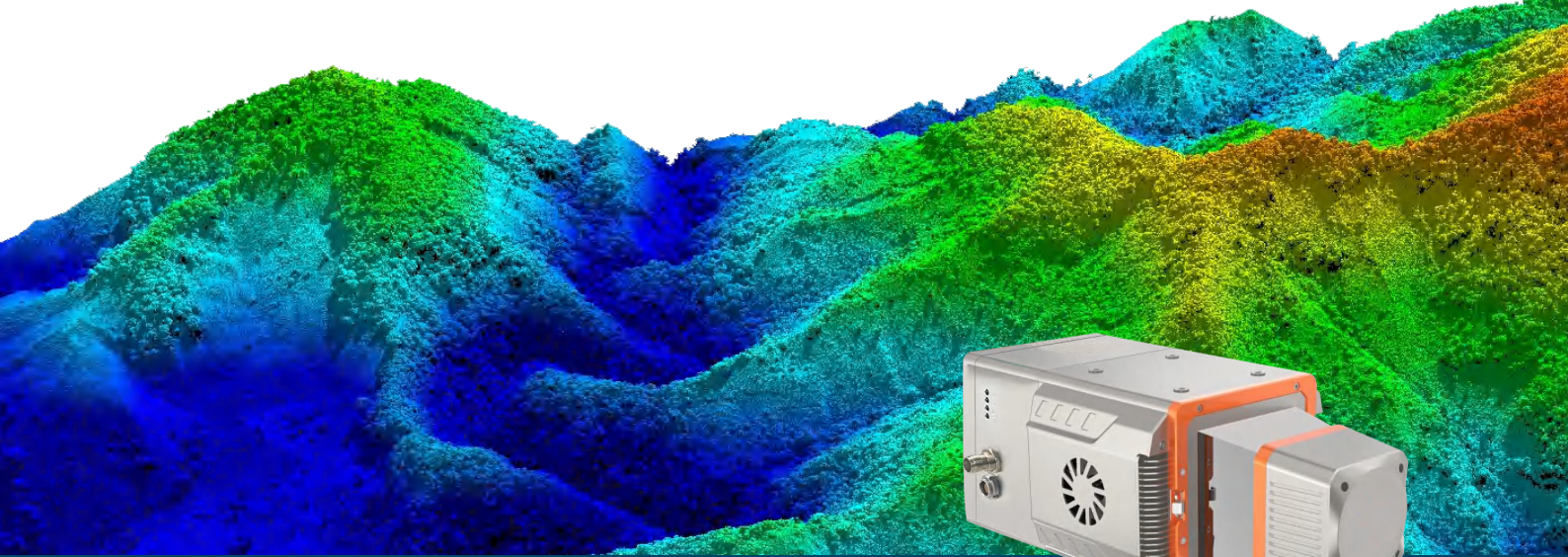
Professional Long Range LiDAR Scanning System

Email:

sales@geosunlidar.com

WhatsApp:

+86 15527360208



ABOUT

GS-1800N LiDAR Solution

The GS-1800N LiDAR is an advanced scanning system independently developed by Geosun Navigation. It captures high-precision point cloud data quickly and efficiently. With its user-friendly design, high integration, compact size, and low power consumption, the GS-1800N is ideal for applications in surveying, land management, transportation, power, and digital city projects.



Multi platform highly integrated system



Rapid-release design for simplified installation



High-performance laser with ultra-low error



High-precision INS with enhanced accuracy



Topographic Survey



Power Line Patrol



Smart City Construction



Mine Survey



Construction Project

SPECIFICATIONS

General System Performance	
Absolute Accuracy	10cm@600m
Point Cloud Density	10pts/ m ² @400m@10m/s
Weight	3.9kg
Voltage	24V
Dimension	34.8x14.8x18.8cm
Data Storage	256G
Carrying Platform	Airborne / Vehicle / Shipborne
Operating Temperature	-20° - +55°
POS Performance	
Model	gSpin 410
Update Frequency	200-1000Hz
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	0.003°
Roll Accuracy	0.003°
Heading Accuracy	0.010°
Laser Scanner Performance	
Measuring Range	Max. 1850m
Range Accuracy	3mm@100m
Laser Line Number	Single Beam
Max. Measurement Rate	2,000,000 points/sec
Number of Echoes	Unlimited
Field of View (FOV)	360°
Camera	
Resolution	45 MP (Full-Frame)
Focal Length	18mm/40mm
Panoramic Camera (Optional)	
Resolution	30MP (6 x 5MP)
Focal Length	4.4mm (Fixed Focus)
Software	
Point Cloud Automata	World-leading point cloud classification and post processing software

Applications

