

# ABOUT

## GS-260X LiDAR Solution

The GS-260X is a lightweight, high-precision LiDAR system. It features a 300-meter range, weighs just 1.1 kg, and delivers up to 1.92 million laser points per second. With support for triple returns and strong penetration, it simultaneously collects point cloud and image data. Ideal for terrain mapping, power inspections, forestry surveys, and digital cities, the GS-260X ensures efficient and comprehensive data capture.



### High Precision

1.92 million points per second for exceptional precision.



### 3 Returns

Capture more ground points, even in dense vegetation.



### Light weight

Weighing just 1.1 kg, it's highly portable and easy to handle.



### Multi-Platform

Compatible with vehicles and airborne for complete coverage and efficiency.



Topographic Survey



Vegetation Monitoring



Power Line Patrol



Mine Survey



Construction Project

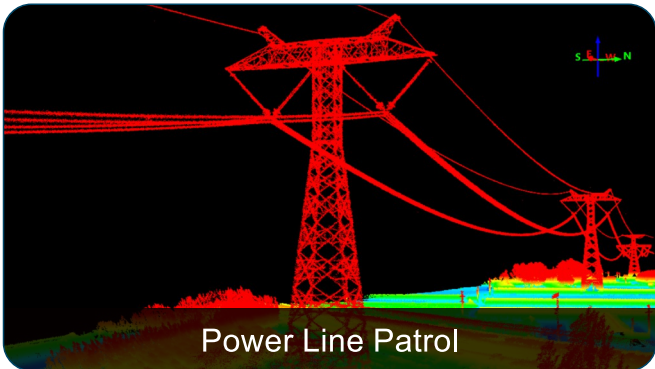


Smart City Construction

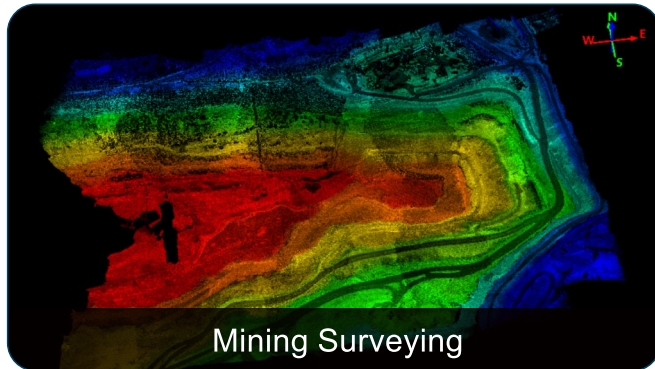
# SPECIFICATIONS

General System Performance		
Absolute Accuracy	10cm@150m	
Point Cloud Density	50pts/m <sup>2</sup> @150m@10m/s	
Weight	1.1kg	
Data Storage	64GB Max support 128GB TF card	
Dimension	14.4 x 10.9 x 12 cm	
Power Consumption	20W	
Carrying Platform	Multi-Rotor/VTOL/Vehicle	
Operating Temperature	-20° - +55°	
Voltage	12V - 24V	
POS Performance		
Model	gSpin 310	
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	0.005°	
Roll Accuracy	0.005°	
Heading Accuracy	0.017°	
Laser Scanner Performance		
Measuring Range	Max. 300 m	
Range Accuracy	0.5 cm	
Laser Line Number	32	
Data	Triple echo 1920,000 Points/Sec	
Field of View (FOV)	360°/40.3°	
Camera		
Resolution	26 MP	
FOV	80°	
Operation Efficiency Table		
Flight Height (m)	Density (pts/m <sup>2</sup> ) @ speed 10m/s	Single Flight Operation(km <sup>2</sup> )
50	228	1
100	160	1.68
150	80	2.52
Software		
Point Cloud Automata	World-leading point cloud classification and post processing software	
Mission Planning Software (optional)	Customized Route Planning Software — WayPoint Master	

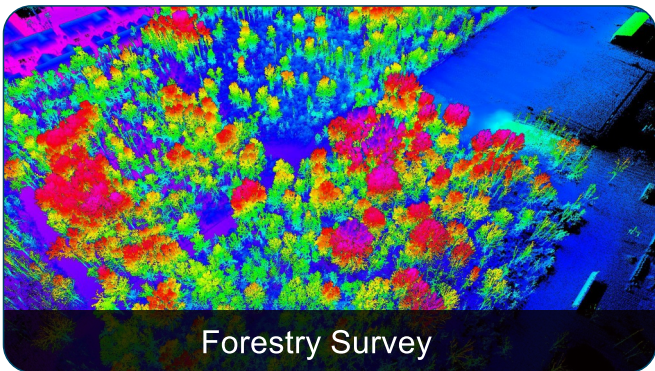
# Applications



Power Line Patrol



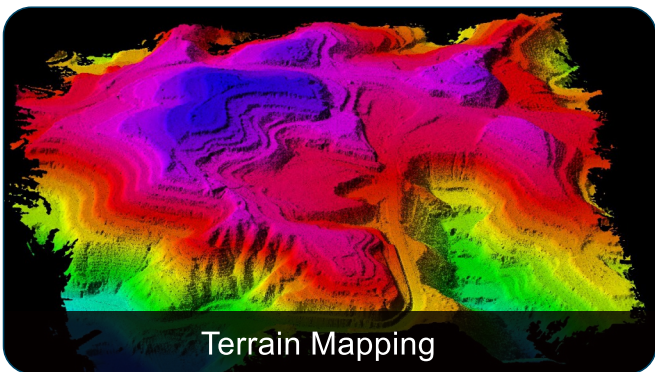
Mining Surveying



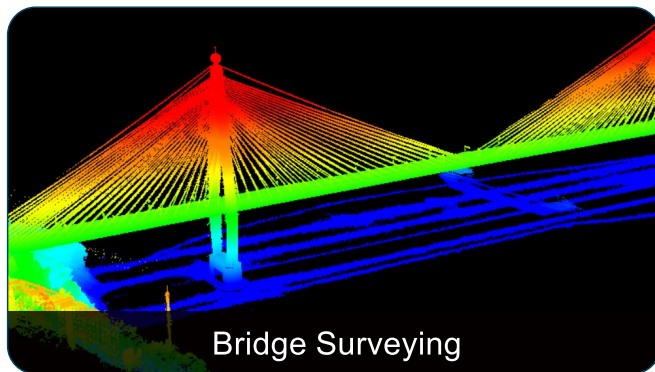
Forestry Survey



Urban Planning



Terrain Mapping



Bridge Surveying



Highway Surveying