



GS-1350W

Long Range UAV LiDAR Scanning System GS-1350W



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GS-1350W

Long Range UAV LiDAR Scanning System GS-1350W

Highly
Integrated

High
Precision

1350m
Ranging

High
Efficiency

Multi
Platforms

Easy
Operation

GS-1350W LiDAR scanning system is a UAV / vehicle measurement system independently developed by Geosun company. It highly integrates laser scanner, GNSS satellite positioning system, INS inertial navigation system and camera(optional), and can quickly obtain high-precision laser point cloud number. It can be widely used in Digital city construction, Industry, Land survey, Forestry and Agriculture

System Parameter

Accuracy	≤10cm@250m
Weight	< 4.1kg
Working Temperature	-20° ~ +55°

Dimension	29*18*12.5 cm
Storage	512 GB Solid State Drive Support 128GB TF Card
Carrying Platform	Multi Rotor/VTOL/Vehicle

Laser Unit

Measuring Range	1000m@60%
Laser Class	1550nm
Laser Line Number	L-Scan

FOV	355°
Range Accuracy	±0.1cm
Echo	Five Echo

POS Unit

Update Frequency	200HZ
Pitch /Roll Accuracy	0.003°
Heading Accuracy	0.010°

Position Accuracy	≤0.05m
GNSS Signal Type	GPS L1/L2/L5, GLONASS L1/L2 BDS B1/B2/B3, GAL E1/E5a/E5b

Pre-Processing Software

POS (Trajectory) Software	Shuttle
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Point Cloud Software	gAirHawk
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Camera (optional)

FOV	80°
Effective Pixel	24 MP
Focal Length (mm)	16



Operation Efficiency Table

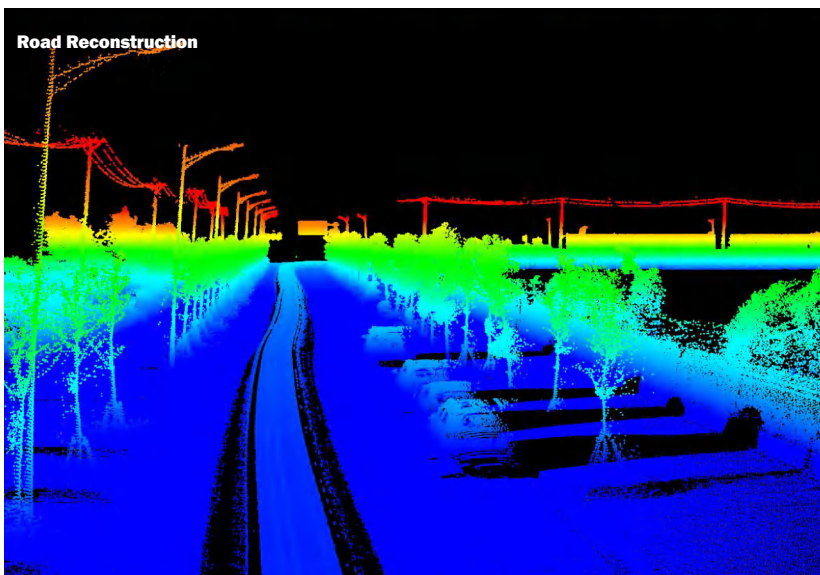
Flight Height (m)	Density (pts/m ²) @ speed 10m/s	Single Flight Operation(km ²)
200	36	4
400	18	8
600	13	12

Mission Planning Software (optional)

Mission Planning Software

Customized Route Planning Software – WayPoint Master

Application Case



Model:GS-1350W

Carrying Platform:Vehicle

speed:40 km/h

Application: Road Reconstruction

Project location:China

