



GS-260X

Professional Level UAV LiDAR Scanning System GS-260X



Wuhan Geosun Navigation Technology Co.,Ltd

Web:www.geosunlidar.com

Cellphone/WhatsApp:+86 15527360208

Email:sales@geosunlidar.com

Add: 4F, Building D, Maker plaza No.8 West Maodianshan Road, East Lake Hi-tech Zone Wuhan City, China

GS-260X

Professional Level UAV LiDAR Scanning System GS-260X

Highly
Integrated

High
Precision

300m
Ranging

High
Efficiency

Multi
Platforms

Easy
Operation

GS-260X LiDAR scanning system is a UAV measurement system independently developed by Geosun company. It highly integrates laser scanner, GNSS satellite positioning system, INS inertial navigation system and camera), 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@150m	Dimension	11.5*11*12cm
Weight	1.15 kg	Storage	64 GB Max support 128GB TF card
Working Temperature	-20° ~ +55°	Carrying Platform	Multi Rotor/VTOL

Laser Unit

Measuring Range	300m@10%	FOV	360°, adjustable
Laser Class	905nm Class1 (IEC 60825-1:2014)	Range Accuracy	±1cm
Laser Line Number	32-beam	Data	Triple echo 1920,000 Points/Sec

POS Unit

Update Frequency	200HZ	Position Accuracy	≤0.05m
Pitch /Roll Accuracy	0.005°	GNSS Signal Type	GPS L1/L2/L5, GLONASS L1/L2 BDS B1/B2/B3, GAL E1/E5a/E5b
Heading Accuracy	0.017°		

Pre-Processing Software

POS (Trajectory) Software	Shuttle	Point Cloud Software	gAirHawk
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Camera

FOV	83°
Effective Pixel	26 MP
Focal Length (mm)	16



Operation Efficiency Table

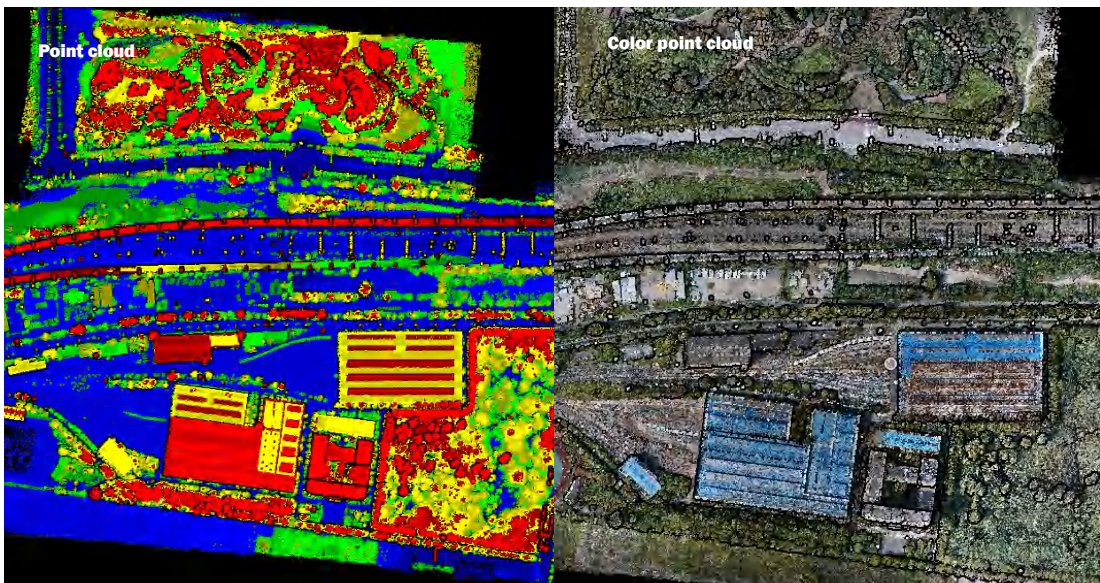
Flight Height (m)	Density (pts/m ²) @ speed 10m/s	Single Flight Operation(km ²)
50	228	1
100	160	1.68
150	80	2.52

Mission Planning Software (optional)

Mission Planning Software

Customized Route Planning Software – WayPoint Master

Application Case



Model:GS-260X

Flight speed:10m/s

Flight altitude:120m

Accuracy:5cm

Application:Track Monitoring

Project location:China

