



# GS-260F

UAV LiDAR Scanning System GS-260F

**LIDAR**

Self Developed  
**POS**

**Trajectory**  
One Key Solution

**Camera**  
(Optional)



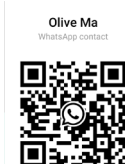
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# GS-260F

## UAV LiDAR Scanning System GS-260F

**Highly**  
Integrated

**High**  
Precision

**200m**  
Ranging

**High**  
Efficiency

**Multi**  
Platforms

**Easy**  
Operation

GS-260F 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(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@150m
Weight	2.2 kg
Working Temperature	-20° ~ +55°

Dimension	17.2*12*16 cm
Storage	64 GB Max support 128GB TF card
Carrying Platform	Multi Rotor/VTOL

### Laser Unit

Measuring Range	200m@10%
Laser Class	905nm Class1 (IEC 60825-1:2014)
Laser Line Number	40-beam

FOV	360°, adjustable
Range Accuracy	2cm
Data	Double echo

### POS Unit

Update Frequency	200HZ
Pitch /Roll Accuracy	0.005°
Heading Accuracy	0.017°

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)	15



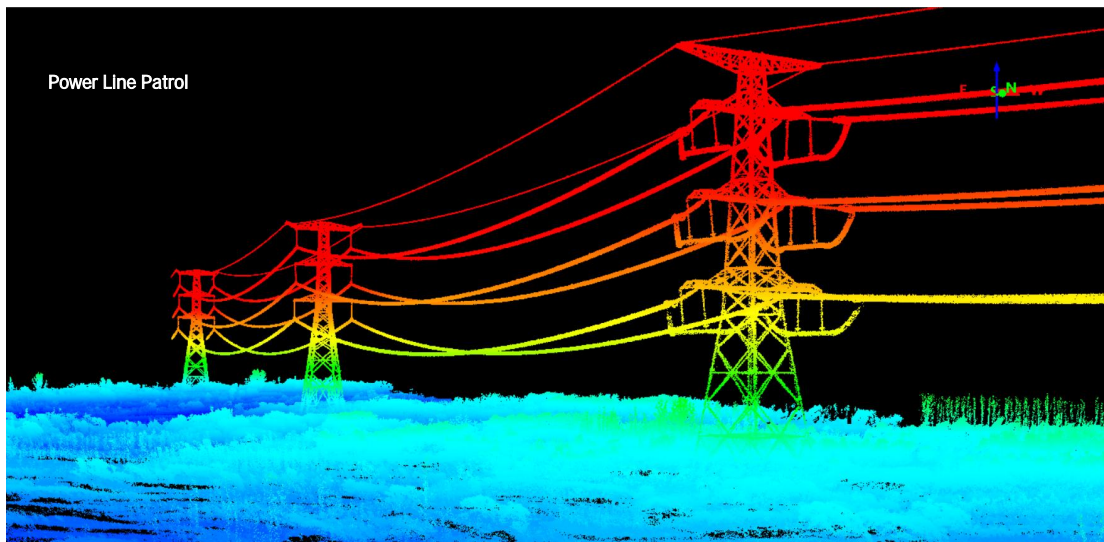
## Operation Efficiency Table

Flight Height (m)	Density (pts/m <sup>2</sup> )	Single Flight Operation(km <sup>2</sup> )
50	248	1.00
100	180	1.68
150	100	2.52

## Mission Planning Software (Optional)

Mission Planning Software	Customized Route Planning Software – WayPoint Master
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## Application Case



Model: GS-260F

Flight speed: 7m / s

Flight altitude: 120m

Application: Power Line  
1000KV State Grid

