



GS-130X

UAV LiDAR Scanning System GS-130X



Wuhan Geosun Navigation Technology Co.,Ltd

Web: www.geosunlidar.com

Tel: +86 15527360208

Email add: sales@geosunlidar.com

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



Ianboxie
WhatsApp contact



Olive Ma
WhatsApp contact

GS-130X

UAV LiDAR Scanning System GS-130X

Highly
Integrated

High
Precision

120m
Ranging

High
Efficiency

Multi
Platforms

Easy
Operation

GS-130X 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@110m
Weight	1.26 kg
Working Temperature	-20° ~ +55°

Dimension	11.5*11*12cm
Storage	64 GB Max support 128GB TF card
Carrying Platform	Multi Rotor/VTOL

Laser Unit

Measuring Range	120m@10%
Laser Class	905nm Class1 (IEC 60825-1:2014)
Laser Line Number	32-beam

FOV	360°, adjustable
Range Accuracy	±1cm
Data	Double echo 1280,000 Points/Sec

POS Unit

Update Frequency	200HZ
Pitch /Roll Accuracy	0.015°
Heading Accuracy	0.040°

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
---------------------------	---------

Point Cloud Software	gAirHawk
----------------------	----------

Camera

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



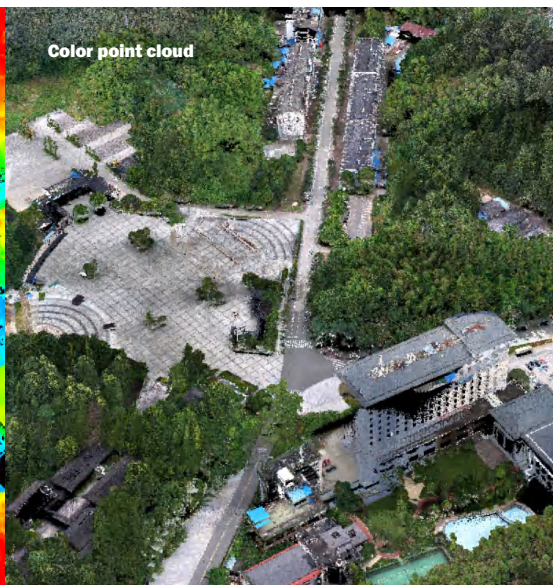
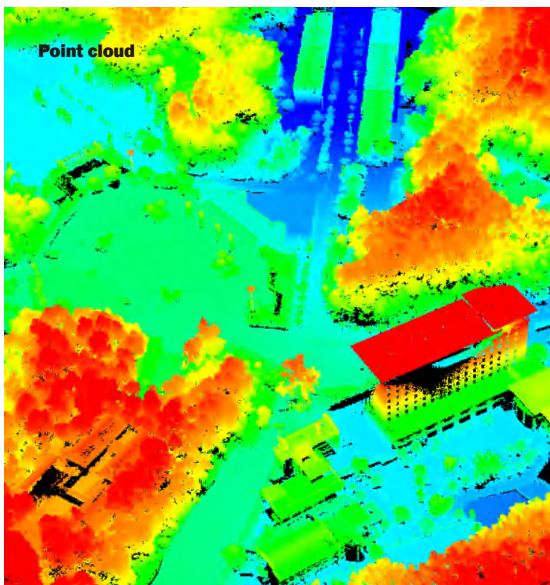
Operation Efficiency Table

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

Mission Planning Software (optional)

Mission Planning Software	Customized Route Planning Software – WayPoint Master
---------------------------	--

Application Case



Model:GS-130X
Flight speed:10m / s
Flight altitude:70m
Application:Urban Planning
Project location:Anhui, China

