



UAV LIDAR SCANNING SYSTEM gAirHawk Series

gAirHawk

gAirHawk GS-260S uav Lidar Scanning System

gAirHawk GS-260S is a kind of compact LiDAR point cloud data acquisition system, integrated Livox new generation laser scanner, GNSS and IMU positioning and attitude determination system, camera (optional) and storage control unit, is able to real-time, dynamically, massively collect high-precision point cloud data and rich image information. It is widely used in the acquisition of 3D spatial information in surveying, electricity, forestry, agriculture, land planning, geological disasters, mine safety.



High efficiency, high precision, high point cloud density, double echo function, good vegetation penetration, it can be widely used in topographic surveying and mapping, pile measurement, power line inspection, marine surveying and mapping, forestry investigation, road survey and design and other fields.

Specification of GS-260S:

	Item Name	System Parameters
GS-260S	Weight	2.2 kg (without camera)
	Working temperature	-20°C~ +65°C
	Power Range	12 V- 24 V
	Consumption	20 W
	Carrying Platform	DJI M300, M600 PRO
	Storage	64 GB Max support 128GB TF card
	Measuring accuracy	0.1m/0.05m(@150m)
Lidar Unit	Measuring Range	0.3m-200m@10% Reflectivity
	Laser Class	905nm Class1 (IEC 60825-1:2014)
	Laser Line Number	20-Beam
	Mix. range	0.3M
	Range accuracy	±5cm (@0.3m~5m), ±2cm (@0.5m~200m)
	Data	Double echo 720,000 Points/Sec
	FOV	360°, adjustable
	Laser sensor	HESAI Pandar 20B
	POS Unit	Update frequency
Pitch Accuracy		0.05°
Roll Accuracy		0.05°
Heading Accuracy		0.017°
Position Accuracy		≤0.05m
GNSS Signal type		GPSL1/L2 GLONASSL1/L2 BDS B1/B2a/B3
POS Type		gSpin 303(AGS)
Pre-processing software	POS software	Output information: position, speed, attitude
	Point cloud software	Output data format: LAS format, custom TXT format
Camera (option)	Camera Model	Sony RX1/a 6000
	Effective Pixel	42/24 Mega Pixel
	Trigger event	Distance or Time trigger
	Weight	Less than 600/300g