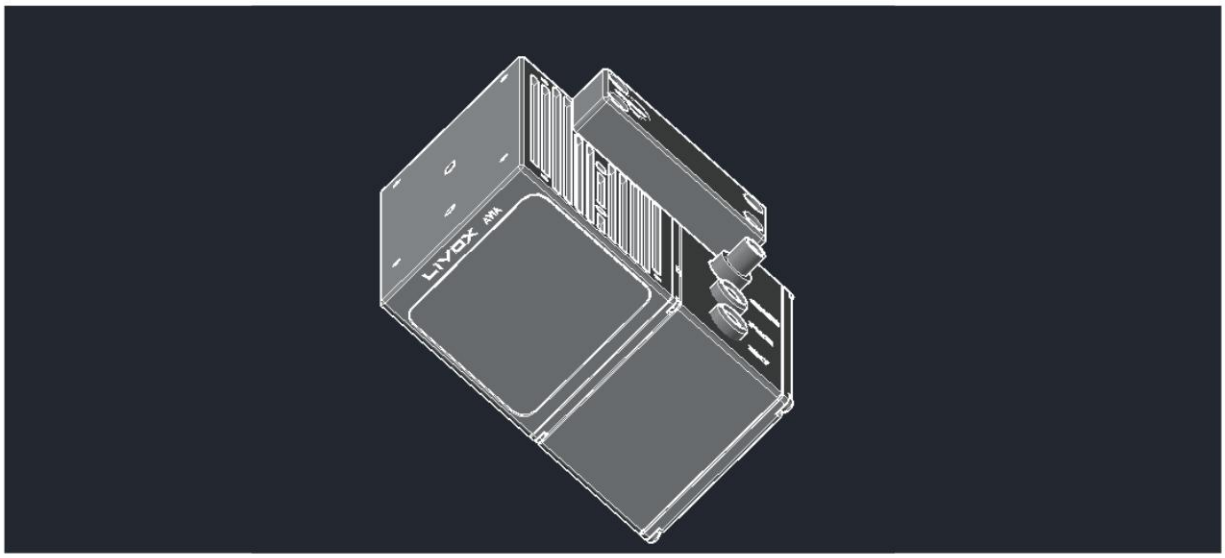
Geosun

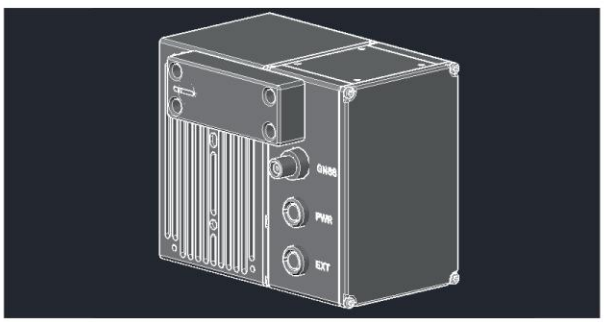
UAV LIDAR SCANNING SYSTEM
gAirHawk Series

gAirHawk

gAirHawk GS-260P uav Lidar Scanning System

gAirHawk GS-260P 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-260P:

	Item Name	System Parameters
GS-260P	Weight	Less than 1000 g
	Working temperature	-20℃~+55℃
	Power Range	12V~16V
	Consumption	Average 20W
	Carrying Platform	DJI M210, DJI M600 PRO, DJI M300 and others
	Storage	64 GB Max support 128GB TF card
Lidar Unit	Measuring accuracy	10cm/0.05m(@150m)
	Measuring Range	190m@10% Reflectivity 260m@20% Reflectivity 450m@80% Reflectivity
	Laser Class	905nm Class1 (IEC 60825-1:2014)
	Laser Line Number	Equivalent to 64-beam
	Range accuracy	1σ（@20m）＜2cm
	Data	Triple echo, 720,000 Points/Sec
	FOV	70° the circular view
	Laser sensor	Livox Avia
POS Unit	Update frequency	200HZ
	Pitch Accuracy	0.05°
	Roll Accuracy	0.05°
	Heading Accuracy	0.017°
	Position Accuracy	0.02 ~ 0.05 m
	GNSS Signal type	GPS L1/L2;GLONASS L1/L2 BDS B1/B2a/B3;GAL E1/E5b/E5a
	POS Type	gSpin 303(AGS)
Pre-processing software	POS software	Shuttle
	Point cloud software	gAirHawk
Camera (option)	Camera Model	Sony a 6000 (Non standard)
	Effective Pixel	24 Mega Pixel
	Trigger event	Distance or Time trigger
	Weight	Less than 300g