

# POSTERRA V-HAWK 260S

Posterra V-Hawk 260s is a kind of light compact LiDAR point cloud data acquisition system, integrated 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.



## Product Superiority

### High efficiency

Mapping accuracy met 1:1000 / 1:500

### High efficiency

Stand-alone daily survey 50 square kilometers

### High integration

Point cloud data time synchronization

Point cloud data / POS data unified storage

Simultaneous acquisition of image data

### System stability

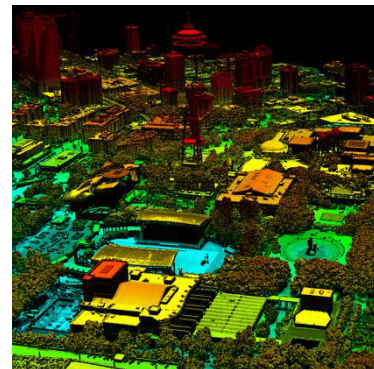
POS data double backup

### Easy to operate

Supports one-button process data collection, one-click take-off and landing, automatically execute flight route.

### Real-time monitoring

Support point cloud data, POS parameters, and real-time display device status during operation



## Technical Parameter

Posterra V-Hawk 260s		
	Item Name	System Parameters
Parameters	Weight	2.2 kg (without camera)
	Measuring accuracy	0.1m/0.05m(@150m)
	Working temperature	-20°C~+65°C
	Power range	12 V- 24 V
	Consumption	20 W
	Carrying Platform	DJI M600 PRO, DJI M300 RTK
	Storage	64 GB storage, maximum support 128GB TF card
Lidar Unit	Measuring Range	0.3m-200m@10% Reflectivity
	Laser class	905nm Class1 (IEC 60825-1:2014)
	Laser line number	20-line
	Max. range	230 m
	Mix. range	0.3 m
	Range accuracy	± 5cm (@0.3m~5m), ± 2cm (@0.5m~200m)
	Scanning frequency	10HZ, 20HZ
	data	Double echo 720,000 Points/Sec
	FOV	360°, adjustable
POS Unit	Update frequency	200HZ
	Heading accuracy	0.017°
	Pitch accuracy	0.005°
	Rolling accuracy	0.005°
	Position accuracy	≤0.05m
	GNSS signal type	GPSL1/L2 GLONASSL1/L2 BDS B1/B2
Pre-processing software	POS software	Output information: position, speed, attitude
	Point cloud software	Output point cloud data format: LAS format, custom TXT format
Point cloud processing software	The third-party software	LiDAR_Mate, Point Cloud Catalyst, Point Cab, TerraSolid, TopoDoT