

POSTERRA V-HAWK 100M & 100C

Posterra V-Hawk 100M & 100C is a kind of light compact LiDAR point cloud data acquisition system, integrated Livox new generation laser scanner, GNSS and IMU positioning and attitude determination system, 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.



Product Superiority

Low cost

With the help of DJI laser sensors, a laser scanning system of ten thousands USD has been realized.

High efficiency

Standalone daily survey 6 square kilometers

High integration

Point cloud data time synchronization

Point cloud data / POS data unified storage

Simultaneous acquisition of image data

System stability

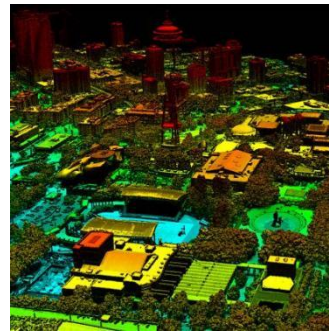
Safe operating time over 8000 hours

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 100M & 100C		
	Item Name	System Parameters
Parameters	Weight	1.1kg (without camera)
	Measuring accuracy	0.15cm (100m AGL)
	Working temperature	-20°C~+55°C
	Power range	12 V- 16 V
	Consumption	Average 20 W
	Carrying Platform	DJI M210, DJI M600 PRO, DJI M300
	Storage	64 GB storage, maximum support 128GB TF card
Lidar Unit	Measuring Range	230m@20% Reflectivity
	Laser class	905nm Class1 (IEC 60825-1:2014)
	Laser line number	Equivalent to 64-beam
	Laser Model	PosTerra Lidar
	Mix. range	0.3 m
	Range accuracy	±5cm (@0.3m~1m), ±2cm(@1m~200m)
	data	Triple echo, 720,000 Points/Sec
	FOV	70° the circular view
POS Unit	POS type	AGS 301
	Update frequency	200HZ
	Heading accuracy	0.08°
	Pitch accuracy	0.025°
	Rolling accuracy	0.025°
	Position accuracy	0.02 – 0.05m
	GNSS signal type	GPSL1/L2 GLONASSL1/L2 BDS B1/B2a/B3
Pre-processing software	POS software	Output information: position, speed, attitude
	Point cloud software	Output point cloud data format: LAS format, custom TXT format
Camera	Camera Model	Sony sensor
	Effective Pixel	26 Mega Pixel
	Trigger event	Distance or Time trigger
	Weight (g)	Less than 300 (After modified)

Made in USA