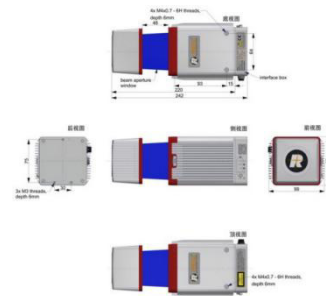


POSTERRA V-HAWK 260R

Posterra V-Hawk 260R 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

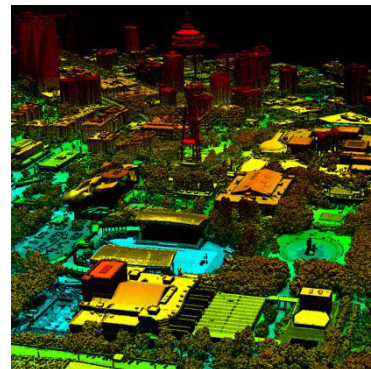
POS data double backup

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



SURMAP SDN BHD

Technical Parameter

Posterra V-Hawk 260R		
	Item Name	System Parameters
Parameters	Weight	2.9 kg (with camera)
	Measuring accuracy	0.1m/0.05m(@150m)
	Working temperature	-10°C~+40°C
	Power range	12 V- 24 V
	Consumption	16 W
	Carrying Platform	DJI M600 PRO
	Storage	64 GB storage, maximum support 128GB TF card
Lidar Unit	Measuring Range	170m@20% Reflectivity, 290m@60% Reflectivity, 330m@80% Reflectivity
	Laser class	905nm Class1 (IEC 60825-1:2014)
	Laser line number	Single-line
	Max. range	250 m
	Mix. range	3 m
	Range accuracy	15 mm, average 10 mm
	Scanning speed	10-100 rpm, Equivalent to 10-100 lines / sec
	data	100,000 Points/Sec, multiple echo
	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