

LD 100M+

750g LD 100M+ Livox Avia Laser Vehicle Mounted UAV LiDAR System

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Detail Information

Compatibility:
High Density:
Application:
High Light:

Drone/Vehicle
240000 Points/s, Triple Echo
Photography Mapping
750g Vehicle Mounted Lidar
750g LD Vehicle Mounted LiDAR
LD 100M Vehicle Mounted LiDAR

Application:
Light Weight:
Material:

Smart City Road Construction
Less Than 750 G
Aluminum Alloy Body

Product Description

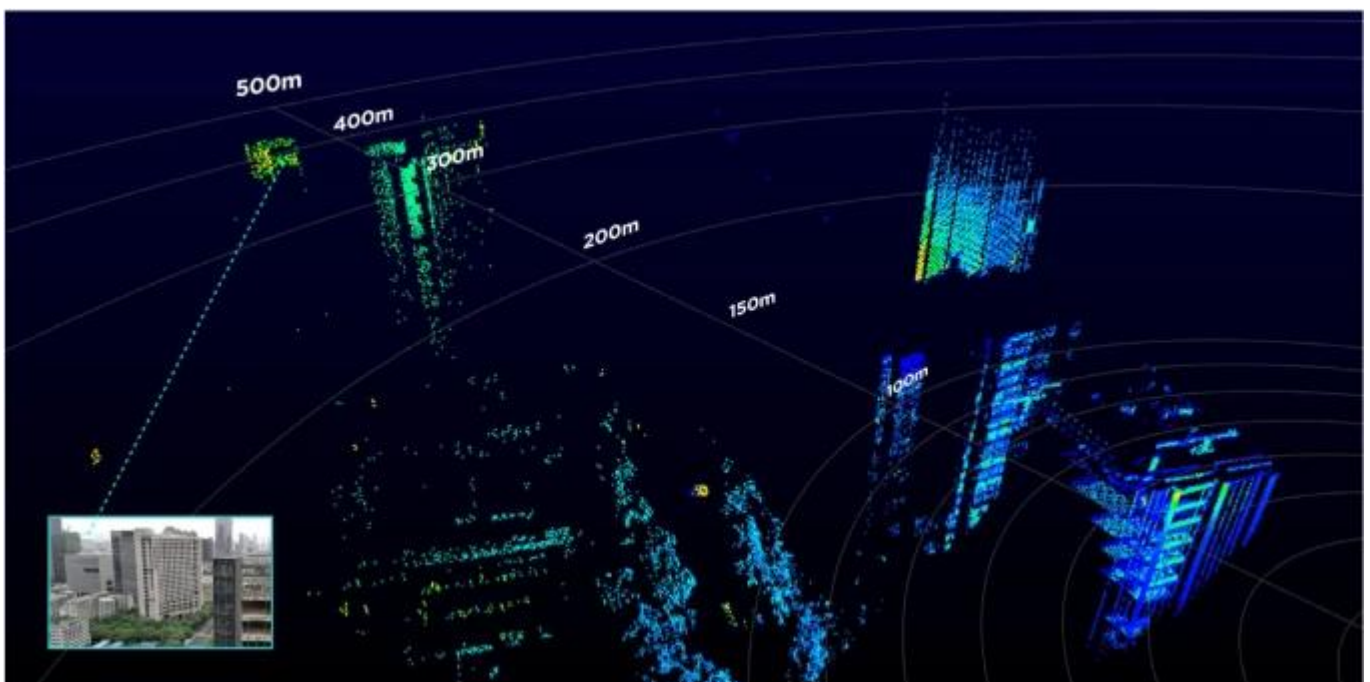
LD-100M+ LIDAR SCANNING SYSTEM

Mobile LiDAR Scanning System with DJI L1 Laser Sensor

LD-100M+ 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.

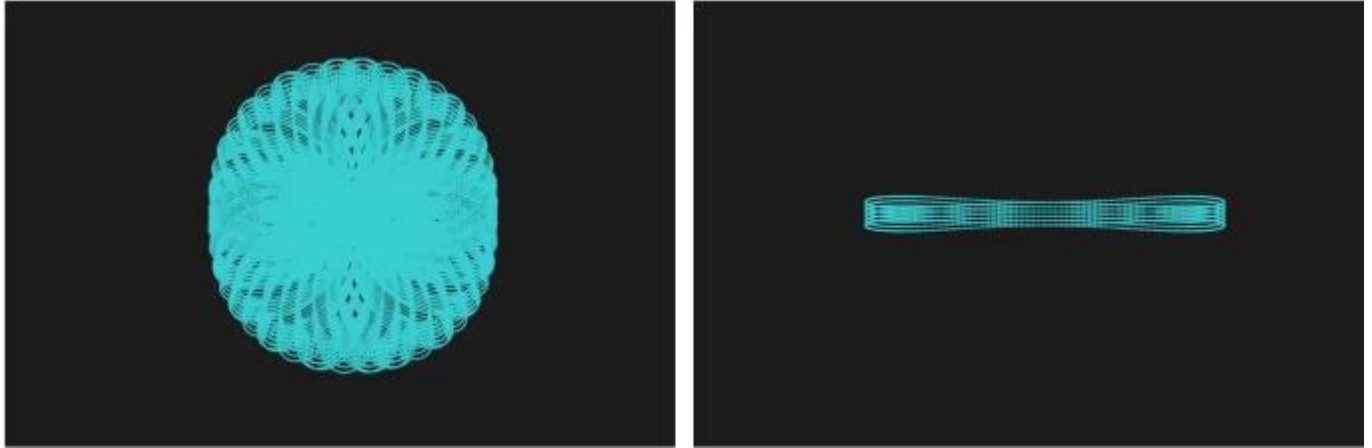
Long Detection Range

The Livox Avia adjusts its detection range according to the intensity of ambient light, while maintaining noise at a low level. The detection range increases to 450m under low-light conditions (such as on a cloudy day, indoors or at night), ensuring distant objects are captured in detail.



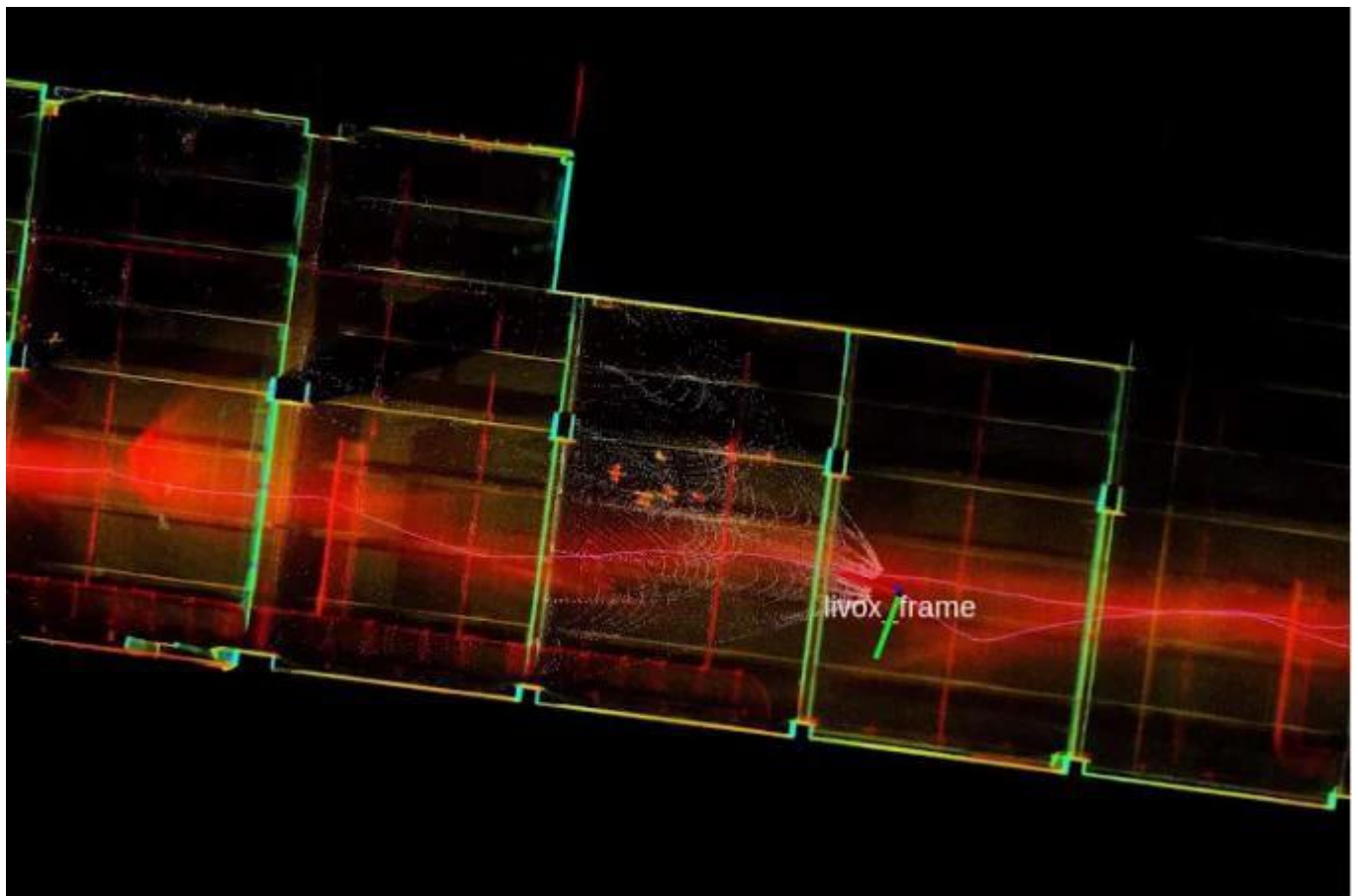
Dual-Scanning Mode

The use of multi-line laser and high-speed scanning enable the Livox Avia to achieve a point cloud data rate of up to 240,000 points/s. The high performance device is equipped with both repetitive and non-repetitive scanning modes, to meet the needs of different scenarios.



Specification

LD-100M+		
	Item Name	System Parameter
LD-100M+ Parameter	Weight	Less than 0.75 kg
	Measuring accuracy	Less than 0.15 cm (100 m AGL)
	Power range	12V~16V
	Working temperature	-20°C~+55°C
	Consumption	Average 20W
	Support Platform	LD-800 Multi Rotor, VTOL Fixed Wing
	Storage	64 GB storage, maximum support 128GB TF card
Lidar Unit	Laser Model	Livox Avia
	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
	Mix. range	0.3 M
	Range Precision	2 cm
	data	Triple echo, 720,000 Points/Sec
POS Unit	FOV	70° the circular view
	Update frequency	200HZ
	Heading accuracy	0.040°
	Pitch accuracy	0.015°
	Rolling accuracy	0.015°
	Position accuracy	0.02 - 0.05m
Pre-processing software	GNSS signal type	GPSL1/L2/L5 GLONASSL1/L2 BDS B1/B2/B3 GAL E1/E5a/5b
	POS software	Output information: position, speed, attitude
	Point cloud software	Output point cloud data format: LAS format, custom TXT format



Package

It is packed by suit case with EVA material liner inside, then covered by hard carton box. It is suitable for air shipment and sea shipment.





Please feel free to contact us if you are interested in this product.