

Device Performance

Power input	14.4V	Power consumption	<20W
Weight	1kg	Data interface	USB 3.1 Gen2
Storage Capacity	TF card 256G (Replaceble)	Connection mode	Wifi/Bluetooth
Operating	-20°C~50°C	Protection level	IP54
Product shell	Navigational Aluminum	Power supply	Fast-lock battery/External power
Operating Time	1.5h	Battery capacity	28.8wh
Number of cameras	4	Visual-Aided Positioning	Supported
APP WiFi distance	20m	RTK module	Supported

LiDar

Laser lines	40	Laser Class	Class1/905nm
Relative Accuracy	1.2cm	Absolute Accuracy	3cm
Repeat Accuracy	2cm	Horizontal Accuracy	0.015°
Working Range	0.1m~40m@10%, 70m@80%	LiDar FOV	360°*-7~+52°
Scan mode	Mobile	Scan speed	200,000 points/s
Resume Scanning from Breakpoint	Supported		

Vision module

Camera FOV	Color panorama HDV 360°*360°	Camera resolution	5.6 million
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Data and storage

Calculating mode	Real-time calculating/ Mixed calculating	Calculating software	Lixel Studio post-processing software for Win
Point Cloud Format	.Las	Color point cloud	Supported