e-survey

eScan M1

Anywhere You Go

The combination of zero-processing algorithms and anti-fuzzy technology balances speed and accuracy.
Industry-leading portability, breaking through the traditional device bulky limitations.
With “high efficiency, precision, lightweight and openness” as the core, it offers an optimal user experience from data collection to application landing.

Laser

Real Time Data

Zero processing after scanning, point cloud exported for immediate use.

True Natural Colored

Industrial-grade cameras equipped with advanced shutter technology eliminate motion blur.

Modular Design

The Type-C port supports the expansion of external devices such as panoramic cameras and RTKs.

Lightweight and Easy to Use

Weighing only 560g, the simple operation interface makes it quick to master the use of the device.

Website & Social media

Product Specification

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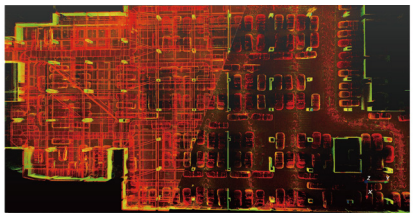
Device Performance	
Dimensions(Main Unit)	115 mm X 110 mm X 83 mm
Weight (no battery)	560 g
Operating Time	1.5h
Battery Capacity	5000mAh
Operating Temperature	-20℃ ~ 50℃
Connection Mode	Wifi (802.11 b/g/n)
RTK Module	Supported

LiDAR	
Relative Accuracy	2cm
Absolute Accuracy	3cm
Point Cloud Thickness	1cm (no filter)
Working Range	▪ 40 m @ 10% reflectivity, ▪ 70 m @ 80% reflectivity
Scan Mode	Mobile
Scan Speed	200,000 points/s
Laser Class	Class1/905nm
LiDAR Channels	40
LiDAR FOV	360°*-7~+52°

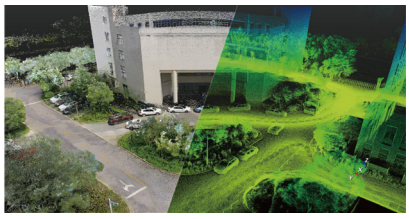
Vision Module	
Camera Resolution	Dual 5MP
Camera Lens	Fisheye
Camera Shutter	Global Shutter

Data and Storage	
Calculating Mode	Real-time calculating/Mixed calculating
Mobile Software	liveScan App for Android/iOS
Calculating Software	PrecisionHub post-processing software for Windows
Point Cloud Format	LAS, LAZ
Color Point Cloud	Supported
Storage	512GB

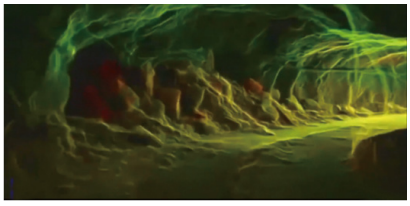


Garage

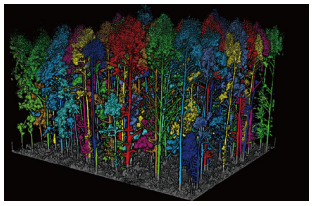
Garden



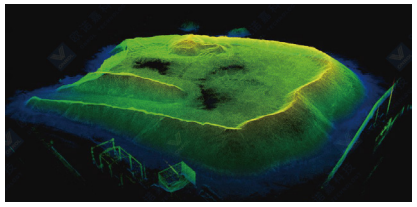
Architecture



Mine tunnel



Forestry



Volume calcuation

Note:The sample point cloud data displayed in datasheet are acquired by eHLS2 Standard version with 32 LiDAR channels.

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