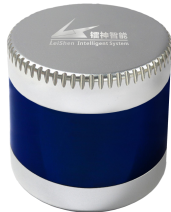


MS-C Series 360° 3D Mapping LiDAR



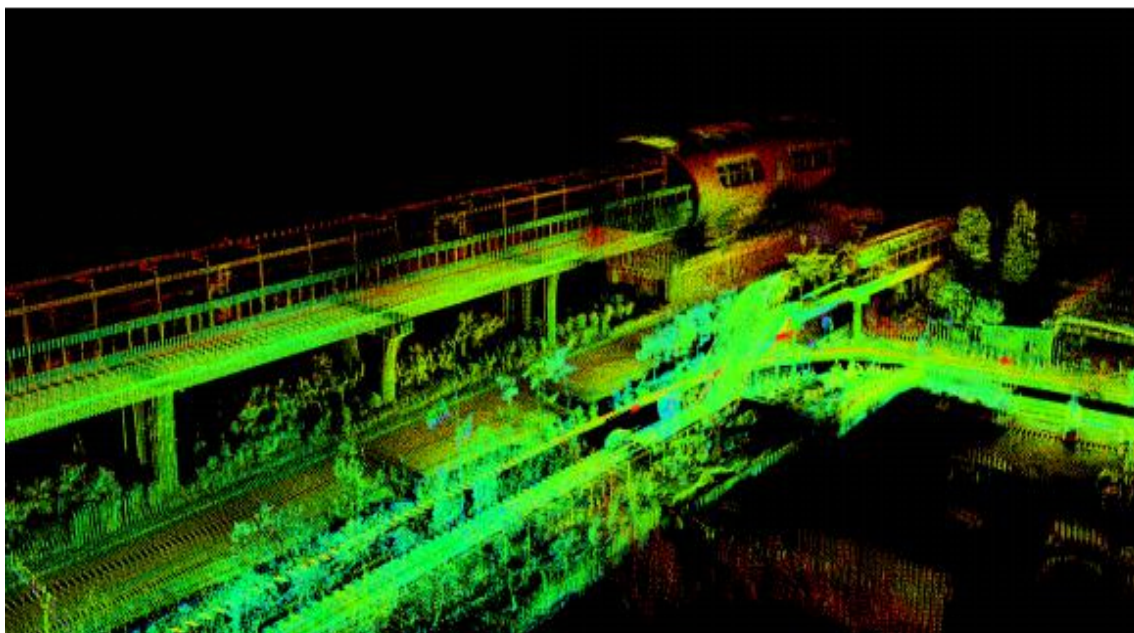
Abstract

MS-C is a high-performance 360° 3D mapping LiDAR. It has two types: 32-line & 16-line. Through the scan of 32-line & 16-line laser at 360° FOV to achieve 3D detection and imaging, accurately obtaining the surrounding environment information. Detection distance is up to 200m and measurement accuracy $\pm 3\text{cm}$. Widely used in high-precision maps, smart cities, 3D modeling of cities, land surveys, fire emergency, power line inspection, mine/ tunnel detection, etc.

Features

- High point density, dual echo generating about 1.28 million 3D point cloud coordinates per second
- Wide field of view, with 360° horizontal FOV and 32° vertical FOV
- Lightest weight only 840g for MS-C16

RTK-SLAM



Specifications

Model		MS-C32	MS-C16
Channel		32	16
Measurement Technique		Time of Flight (TOF)	
Wavelength		905nm	
Laser Product Classification		Class 1 Eye-safe/ IEC 60825-1:2007 & 2014	
Measurement Range		200m	
Ranging Accuracy		±3cm	
Data Points Generated	Single Return	640,000 point/s	320,000 point/s
	Dual return	1,280,000 point/s	640,000 point/s
Rotation Rate		5Hz , 10Hz , 20Hz	
Echo times		2	
Field of View (FOV)	Horizontal	360°	
	Vertical	-16°~ 15°	-15°~ 15°
Angular Resolution	Horizontal	5Hz: 0.09° / 10Hz: 0.18° / 20Hz: 0.36°	
	Vertical	1°	2°
Operating Voltage		9V~ 36VDC	
Operating Temperature		-20°C ~ 60°C (Customized up to -40°C)	
Communication Interface		1000M Ethernet , PPS	
Shock Test		500m/sec ² , last11ms	
Vibration		5Hz-2000Hz , 3G rms	
IP		IP 67	
Dimension (D-H)		Φ 120*110mm	Φ102*78mm
Weight		1200g	650g



**Dealer of Leishen LIDAR products and technical solutions
in Australia and New Zealand Region**

Contact: +61 412 75 2033

Email: info@mgwtradenservice.com.au

Website: <https://mgwtradenservice.com.au/leishen-lidar/>

Location: Melbourne, Australia