



VANJEE LiDAR

Mini SLAM Navigation LiDAR WLR-716 Mini

Description

WLR-716-Mini is a mini SLAM navigation LiDAR, suitable for SLAM navigation of commercial service robots such as cleaning and disinfection robots; SLAM navigation of industrial logistics robots of different sizes such as mobile robot chassis and composite robots.

Advantages



Mini model

Only 50mm*55mm*72.5mm,
saving assembly space



Ultra-small spot , ultra-low horizontal angle

10 milliradians minimum divergence angle with ≤ 0.5 degrees horizontal angle



High quality point cloud


Can detect all kinds of objects,
stable navigation in complex environment






Modular design & automated production

Guarantee the supply capacity of mass production

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WLR-716Mini

Parameters

Basic Parameters >>>

Model	WLR-716-Mini	Operating Temperature	-25°C-50°C
Size	50mm X 55m X 72.5mm	Storage Temperature	-30°C-70°C
Net Weight	0.3kg	Laser Wavelength	905nm
Power Consumption	4W	Operating Voltage	9~28V DC

Performance Parameters >>>

Scanning Frequency	15Hz/25Hz	Out Points	16200/27000 points/sec
Detection Distance	10m@10%/25m@90%	Horizontal FoV	270°
Operating Range	0.5-25m	Horizontal Angle Resolution	0.25°
Ranging Accuracy	±20mm (Typical Value)	Response Time	<67ms

Relevant Certification >>>

Protection Class	IP66 GB / T 4208-2007	Communication Interface	Network Port
Security Level	Class I (eye safety) EN 60825-1:2014		

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Scenarios

