



VanJee LiDAR would create vision for robotics (AGV +AMR) to realize autonomous operation with utmost safety.

# VanJee LiDAR

## Mini SLAM Navigation LiDAR WLR-716 Mini

### Description

VanJee 716Mini LiDAR is a SLAM navigation LiDAR with ultra-small size (50mm×55mm×72.5mm) and powerful performance (Point frequency would reach to 32.4K and scanning frequency up to 25Hz ). Therefore, robotics could save more space due to LiDAR size advantage and becoming more agile. Due to LiDAR's ultra-high ranging accuracy ( $\pm 20\text{mm}$ ), AMR can operate flexibly in most warehouses and factories complicated operation scenarios.

### Advantages



#### Mini model

Only 50mm × 55mm × 72.5mm, convenient to integration, and suitable for various application scenarios.



#### Powerful detection function

Anti-collision protection suitable for various applications through integrated IO zone evaluation function.



#### High quality point cloud

$\pm 20\text{mm}$  ranging accuracy and can detect all kinds of objects, stable navigation in complex environment.



#### Modular design & automated production

Guarantee the supply capacity.

### VANJEE Headquarters



Building No.12, ZPark, Haidian District, Beijing 100193, China



+86 10 59766766



[www.vanjee.net](http://www.vanjee.net)



[ibd@vanjee.net](mailto:ibd@vanjee.net)

# WLR-716Mini

## Parameters

Basic Parameters >>>			
Model	WLR-716Mini	Operating Temperature	-25°C-50°C
Size	50mm × 55mm × 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	Data Rates	27000/32400 points/sec
Ranging Distance	50m(15m@10%)	Horizontal FoV	270°
Operating Range	0.05-50m	Horizontal Resolution	0.125°@15HZ/0.25°@25HZ
Ranging Accuracy	±20mm (Typical Value)	Response Time	<67ms
Relevant Certification >>>			
Ingress Protection	IP66 GB / T 4208-2007	Communication Interface	Ethernet and IO
Laser Safety	Class I (eye safety) EN 60825-1:2014		

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## Scenarios

