



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 716 Mini LiDAR is a SLAM navigation LiDAR with ultra-small size (50mm\*55mm\*72.5mm) and powerful performance (Point frequency would reach to 27K 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, saving assembly space



##### Ultra-small spot, ultra-low horizontal angle

10 milliradians minimum divergence angle with  $\leq 0.5$  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

### VANJEE Headquarters

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



+86 10 59766766



www.vanjee.net



ibd@vanjee.net

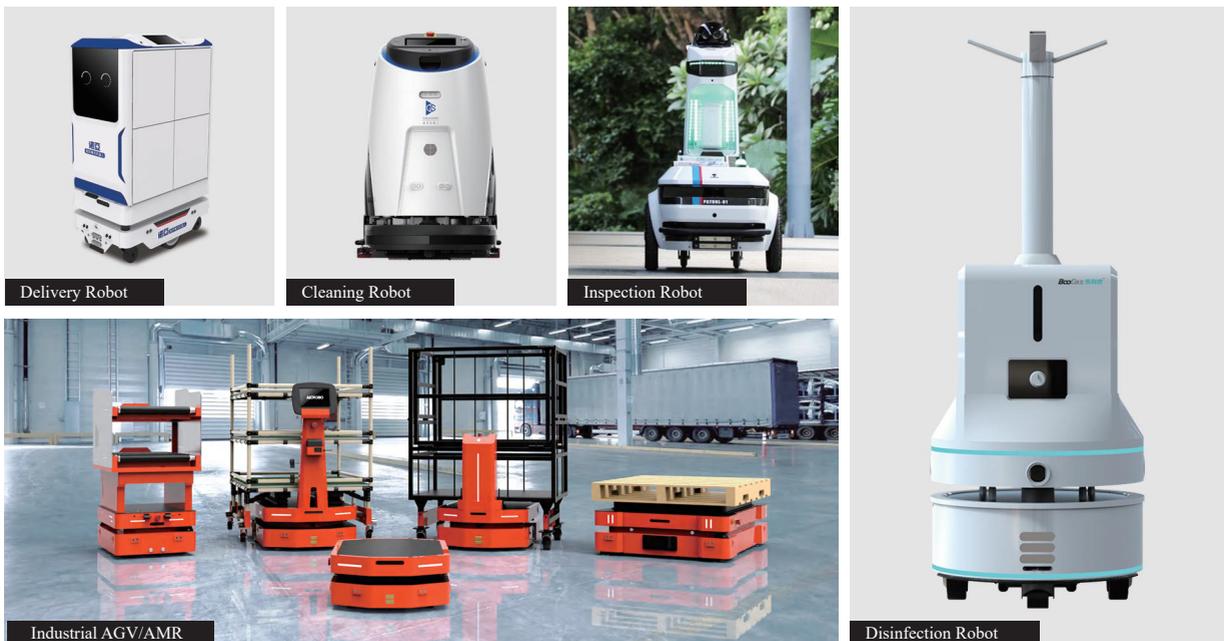
# WLR-716Mini

## Parameters

Basic Parameters >>>			
Model	WLR-716-Mini	Operating Temperature	-25°C-50°C
Size	50mm X 55mm 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	Data Rates	16200/27000 points/sec
Ranging Distance	10m@10%/25m@90%	Horizontal FOV	270°
Operating Range	0.05-25m	Horizontal Resolution	0.25°
Ranging Accuracy	±20mm (Typical Value)	Response Time	<67ms
Relevant Certification >>>			
Ingress Protection	IP66 GB / T 4208-2007	Communication Interface	Network Port
Laser Safety	Class I (eye safety) EN 60825-1:2014		

# WLR-716Mini

## Scenarios



VanJee WLR-716 Mini LiDAR has been operated worldwide including China, Singapore, Canada and Indonesia.