

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



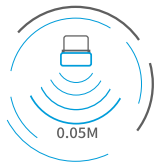
# VanJee LiDAR

## 2D SLAM Long-Range Navigation LiDAR WLR-719

### Description

VanJee 719 LiDAR is a 50 meter long-range SLAM navigation LiDAR with powerful detection capacity(Point frequency would reach to 110K and scanning frequency up to 30Hz ). The LiDAR provides the highest stability positioning function for robotics in various scenarios through its superior performance.

### Advantages



High quality point cloud  
LiDAR point frequency is up to 11K/s Horizontal resolution 0.033°



Superior Anti-Interference Capacity  
Navigation can still be stable in any complex scenarios such as sunlight, water droplets, and other LiDARs interference



Large-range, Full-angle Scanning  
360°horizontal FOV, 50m operating range



Modular design + automated production  
Guarantee the supply capacity of mass production

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# WLR-719

## Parameters

Basic Parameters <span>  &gt;&gt;&gt;</span>			
Model	WLR-719	Operating Voltage	DC12-28V
Size	65mm X 65mm X 62mm	Operating Temperature	-20°C - 60°C
Net Weight	0.3Kg	Storage Temperature	-25°C~85°C
Power Consumption	4W(Typical Value)	Laser Length	905nm
Performance Parameters <span>  &gt;&gt;&gt;</span>			
Scanning Frequency	30Hz/20Hz/10Hz	Horizontal FOV	360°
Ranging Distance	50m (20m@10% Reflectivity)	Response Time	67ms
Horizontal Resolution	0.1°/0.067°/ 0.033°	Interface Type	10-100M Ethernet Port (TCP)/UDP
Ranging Accuracy	±30mm(Typical Value)		
Relevant Certification <span>  &gt;&gt;&gt;</span>			
Ingress Protection	IP67	EMC	GB/T17626.2-2006
Laser Safety	Class1 (Eye Safety)		GB/T17626.4-2008
Mechanical load resistance	Passenger car regulations GB/T28046.3-2011		

# WLR-719

## Scenarios

