



VanJee LiDAR creates vision for robotics.

# VanJee LiDAR

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

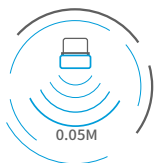
### Description

VanJee 719 LiDAR is a **long-range and high precision SLAM navigation LiDAR** with a **50-meter** detection range and **ultra-precise 0.033 ° angular resolution**. The LiDAR has powerful object detection capabilities, featuring a point frequency of 110K. The 719 LiDAR ensures accurate positioning and navigation for robotics high speed operation with its exceptional stability and precision.

The LiDAR has  
three adjustable modes :

Scanning Frequency	Horizontal Angular Resolution
30Hz	0.1°
20Hz	0.067°
10Hz	0.033°

### 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

# WLR-719

## Parameters

Basic Parameters >>>			
Model	WLR-719	Operating Voltage	DC12-28V
Size	65mm X 65mm X 62mm	Operating Temperature	-20℃ - 60℃
Net Weight	0.3Kg	Storage Temperature	-25℃~85℃
Power Consumption	4W(Typical Value)	Laser Length	905nm
Performance Parameters >>>			
Ranging Distance	50m (20m@10% Reflectivity)	Horizontal FOV	360°
Ranging Accuracy	±20mm(Typical Value)	Response Time	67ms
Interface Type	10-100M Ethernet Port (TCP)/UDP		
Relevant Certification >>>			
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



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