

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

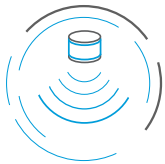
# VanJee LiDAR

## 16-Line Mechanical LiDAR WLR-720

### Description

VanJee WLR-720 LiDAR is a long-range 16-Line mechanical LiDAR. It has powerful detection capacity with 120-meter ranging, 576K high point frequency and 0.1 ° horizontal resolution. The LiDAR would make various robotics(Delivery, Cleaning, Inspection Robot and Forklift) realize autonomous operation by providing 360 ° stereoscopic scanning information. The LiDAR has IP67 protection rating and multi-return technology which enable robotics operate freely in outdoor and indoor scenarios.

### Advantages



120M Ranging Capacity  
Meet outdoor large-scale scenarios



High level of Ingress Protection  
IP67 protection rating



Modular Design &  
Automated Production  
Guarantee the supply capacity  
of mass production



Superior Anti-Interference Capability  
Multi-return technology and  
mechanism unaffected by Interference  
from other LiDARs

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# WLR-720 Parameters

Basic Parameters >>>			
Model	WLR-720	Operating Voltage	DC12-32v
Number of Channels	16	Operating Temperature	-20°C-60°C
Size	Φ105.7×81.5	Storage Temperature	-40°C-85°C
Net Weight	0.91kg	Laser Length	905nm
Power Consumption	15W(Typical Value)		
Performance Parameters >>>			
Scanning Frequency	5Hz/10Hz/20Hz	Horizontal FOV	360°
Ranging Distance	70m@10% Reflectivity	Horizontal Resolution	0.1°/0.2°/0.4°
Operating Range	0.5-120m	Vertical FOV	30° (-16°~14°)
Ranging Accuracy	±3cm(Typical Value)	Vertical Resolution	2°
Return Mode	Single Return/Double Return		
Relevant Certification >>>			
Ingress Protection	IP67	Transport Protocol	UDP/IP
Laser Safety	Class I (Eye Safety)	Time Source	GPS/PTP

# WLR-720 Scenarios

