



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



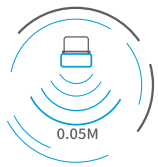
VanJee LiDAR

4-Line Mechanical LiDAR WLR-719

Description

VanJee 719(4Line) LiDAR is a 40 meter long-range mechanical LiDAR with unique four line design(Vertical FoV is 0.3° , 0° , -5° , -10°). The LiDAR has powerful detection capability with 40-meter ranging, 0.2° horizontal resolution and 72k high point frequency. The LiDAR would make various AMR (Delivery, Cleaning, Inspection Robot and Forklift) realize autonomous operation by detecting small object with utmost safety. The LiDAR has IP67 protection rating which enable AMR operate freely in inclement environment.

Advantages



Excellent performance for close measurement work normally at a distance of 0.05m



Strong anti-interference ability
Stable navigation in the complex environment



High Degree of Protection
IP67 protection rating



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

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WLR-719

Parameters

Basic Parameters >>>			
Model	WLR-719	Operating Voltage	DC12-28V(>15w)
Size	65mm x 65mm x 65mm	Operating Temperature	-20°C-60°C
Net Weight	0.3kg	Storage Temperature	-25°C-85°C
Power Consumption	4W(Typical Value)	Laser Wavelength	905nm
Performance Parameters >>>			
Scanning Frequency	10Hz	Horizontal FoV	360°
Ranging Distance	20m@10% reflectivity	Horizontal Resolution	0.2°
Operating Range	0.05-40m	Vertical FoV	0.3°/0°/-5°/-10°
Ranging Accuracy	1cm (10% reflectivity, 1σ)	Data Rates	72,000 points/sec
Ranging Precision	±1cm (10% reflectivity, typical)		
Relevant Certification >>>			
Ingress Protection	IP67	Time Source	GPS
Laser Safety	Class I (eye safety)	Output	UDP/IP

WLR-719

Scenarios



VanJee 719 (4Line) LiDAR has been operated worldwide including China, Singapore, India and Switzerland