

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 720

VanJee LiDAR WLR-720 stands out as a long-range 3D LiDAR with 150 meters ranging distance and 16-channel scanning layers. The LiDAR has capability to do SLAM (simultaneous localization and mapping) navigation by providing high quality 3D point clouds. Notably, the LiDAR is also good at target navigation due to it features 0° horizontal line to detect target perfectly. Moreover, the LiDAR has IMU inside to make AMR do Inertial Positioning (provide crucial data including orientation, position tracking and motion sensing). Lastly, VanJee would provide SLAM algorithm to make our AMR customers utilize LiDAR.

VANJEE Lidar

Advantages 720



150M Ranging Capacity Meet outdoor large-scale scenarios

Millimeter Level **Positioning Accuracy** Provide SLAM+Target navigation with millimeter level accuracy



High level of Ingress Protection IP67 protection rating



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

VANJEE Headquarters



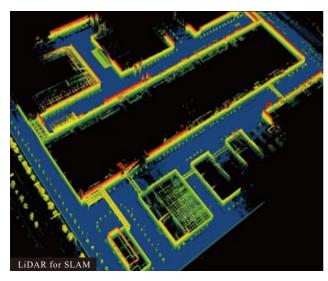
ibd@vanjee.net



Parameters -720

Basic Parameter	rs >>>		
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	12W(Typical Value)		
Performance Pa	rameters >>>		
Scanning Frequency	5Hz/10Hz/20Hz	Horizontal FOV	360°
Ranging Distance	70m@10% Reflectivity	Horizontal Resolution	0.1°/0.2°/0.4°
Operating Range	0.3-150m	Vertical FOV	30° (-16°~14°)
Ranging Accuracy	±2cm(Typical Value)	Vertical Resolution	2°
Return Mode	Single Return/Double Return		
Relevant Certification >>>			
Ingress Protection	IP67	Transport Protocol	UDP/IP
Laser Safety	Class1 (Eye Safety)	Time Source	GPS/PTP

Scenarios –720







ous Forklift

Iultiple Outdoor Autor

