

VauJee LiDAR would create vision for autonomous vehicle to realize autonomous operation with utmost safety.

# VanJee LiDAR

Ultra-thin Automotive-Grade Long-Range LiDAR

#### Description = 760A

VanJee LiDAR WLR-760 is an automotive-grade long-range LiDAR with 200m@10% ranging capability, 192-channel scanning layers. The LiDAR has ultra-high point cloud quality, due to the 120  $^{\circ}$  × 25  $^{\circ}$  FOV (Field of View) and genuinely 192 channels design. Moreover, the LiDAR has the ultra-thin height (30mm) and less than 25dB noise. Therefore, driver and passengers will have comfortable experience, even when the LiDAR is installed inside the cabin.

### Advantages 760A



Slim and Compact The Ultra-thin LiDAR with 30mm height



Ultimate cost-effective Adopt the latest transmit-receive technology Have a cost advantage without sacrificing high-performance



Image-like Resolution Up to 0.15°×0.13°(H×V)Resolution Achieve high-definition point clouds at the image level



Low Power and Noise 15W power consumption Less than 25dB Noise Bring more comfortable in-cabin experience

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## Parameters -760A

Basic Parameters >>>			
Model	WLR-760A	Operating Temperature	-40°C~85°C
Number of Channels	192	Scanning Principle	Rotating Mirror
Size	136mm×112mm×30mm	Laser Length	905nm
Operating Voltage	9~24VDC	Power Consumption	15W
Performance Parameters >>>>			
Scanning Frequency	10Hz/20Hz	Ranging Accuracy	±3cm@10
Operating Range	200m@10% reflectivity	Ranging Precision	±5cm
Horizontal FOV	120°	Horizontal Resolution	0.15°(10Hz)/0.3°(20Hz)
Vertical FOV	25°	Vertical Resolution	0.13°
Point Frequency	1,536,000 points/s(Single Return);	Blind Spot	1m@10% Reflectivity
	3,072,000 Points/s(Dual Return)		
Relevant Certification >>>			
Ingress Protection	IP67,IP6K9K	Communication Interface	Automotive Ethernet(1000M Base T1)
Operating Range	Class1 (Eye Safety)	Transport Protocol	UDP Packets over Ethernet
Time Synchronization	PTP/gPTP	Functional Safety	ASIL B



