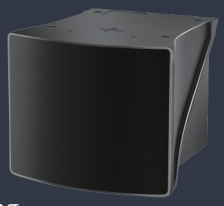
Robin W

Wide FOV LiDAR



- 70m@10% detection range provides enhanced safety protection for high-speed lane merging and vehicle starting scenarios
- Blind area ≤10cm, efficient perception of small and low objects, providing all-around 3D perception for the vehicle
- Automotive grade reliability and lifetime, using proven scanning architecture
- Ideal for wide-angle monitoring of intersections and pedestrian venues at mid-distance ranges

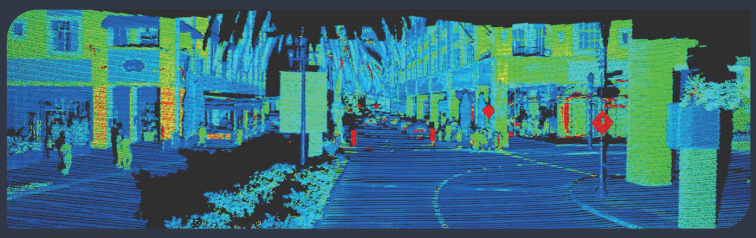
Key Specifications

0.1m~150m(70m@10%) Detection Range	120°×70° FOV	0.15°×0.36° Resolution(H×V)	10~20FPS Frame Rate
192lines Scanning Lines / Layers	-40°C~85°C Operating Temperature	IP67(body), IP69K(window) Water and Dust Protection	905nm,Class1(IEC-60825) Laser
85mm×104.8mm×106.7mm Dimension(H×W×D)	800g Weight	7.2W Power Consumption	

Applications

ADAS/AD | Smart City | Highways | Railways | Ports | Shipping | Mining | Robotics

About Seyond



Seyond is a leading global provider of image-grade LiDAR technology, powering a safer, smarter and more mobile world across the automotive, intelligent transportation, robotics and industrial automation sectors. Founded in Silicon Valley with strategically placed research and manufacturing facilities across the globe, Seyond is crafting LiDAR solutions that elevate autonomous driving and fuel the advancement of smart infrastructure development.

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Performance

Detection Range (Maximum)*	150m
Detection Range (10% Reflectivity)*	70m
Detection Range (Blind Area)	0.1m
FOV	120°×70°
Resolution*	0.15°×0.36°
Distance Accuracy	±2cm
Distance Precision	up to 1cm(1σ)
Scanning Lines / Layers*	192lines
Frame Rate*	10-20FPS

Reliability

Water and Dust Protection	IP69K(window), IP67(body)
Operating Temperature	-40°C~85°C
Laser Wavelength	905nm
Laser Safety	Class1(IEC-60825)

Electrical & Interface

Operating Voltage	9~28V DC
Power Consumption	7.2W
Data Interface	1000BASE-T1 Automotive Ethernet (UDP, TCP)
Data Output	3D Points, Intensity or Reflectivity, Timestamp
Time Synchronization	NTP, PTP, gPTP

Mechanical

Dimension (H×W×D)	85mm×104.8mm×106.7mm
Weight	800g

*: Configurable. For more information, please contact Seyond.