



# rs bpearl

360° x 90° Super Wide FOV, Short-range Blind Spot LiDAR



RS-Bpearl is a new type of short-range LiDAR designed specifically for the detection of blind spots. Loaded with RoboSense's innovative signal processing technology, RS-Bpearl is able to detect objects within a few centimeters, plus a 360° x 90° super wide field of view, RS-Bpearl can effectively detect the blind spots around the vehicle.

RS-Bpearl's disruptive modular design dramatically reduces costs while making the product more flexible, compact and customizable.

## Product Advantages



Blind Spot < 10cm



360° x 90° Super Wide FOV



-40°C Cold-Resistant

「Unique FOV Designed for Near-Field Blind-Spots Detection」



RoboSense / Suteng Innovation Technology Co., Ltd.

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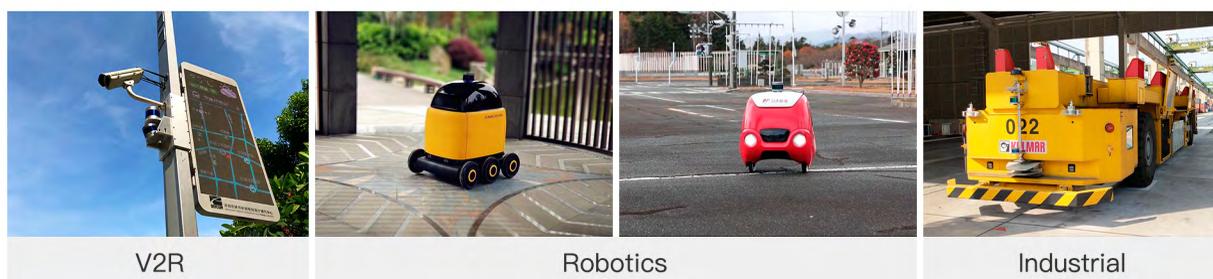
[www.robosense.ai](http://www.robosense.ai)

Sensor	
Wavelength	905nm
Laser class	Class 1
Accuracy	±3cm (typical)
Measurement range	30m (10% object reflectivity)
Blind spot	<0.1m
Vertical FOV	90°
Horizontal FOV	360°
Rotation speed	600/1200rpm (10/20Hz)

Output	
Data rate	576,000pts/s(single return) 1,152,000pts/s(dual return)
Interface	100Mbps Ethernet

Mechanical / Electrical / Operational			
Operating voltage	9–32VDC	Operating temperature	–40°C ~ +60°C
Protection level	IP67	Storage temperature	–40°C ~ +85°C

## Applications



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