



Automotive Sensor

DRVEGRD 169 | 79 GHz Corner Radar

4D/PxHD resolution

For delivery robots & autonomous parking

4 dimensions: range, speed, azimuth & elevation angle



User-selectable multi-mode, multi-band operation

Blind & misalignment diagnosis, interference suppression

Plug-and-play 360° sensor data fusion

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PERFORMANCE	Long-Range Mode	Medium-Range Mode	Short-Range Mode	Ultra-Short Range Mode
Operating Frequency	77...81 GHz 3 center frequencies	77...81 GHz 3 center frequencies	77...81 GHz 3 center frequencies	77...81 GHz 1 center frequency
Detection Range Passenger Car	95 m	55 m	19 m	9.5 m
Detection Range Min...Max	1.3...130 m	0.6...56 m	0.2...19 m	0.1...9.5 m
Range Separation	≤ 1.3 m	≤ 0.6 m	≤ 0.2 m	≤ 0.1 m
Range Accuracy	< 0.67 m	< 0.3 m	< 0.1 m	< 0.05 m
Speed Min...Max	-340...+140 km/h	-340...+140 km/h	-340...+140 km/h	-60...60 km/h
Speed Separation	< 0.3 m/s			
Speed Accuracy	< 0.15 m/s			
Field of View Azimuth	-65...+65°	-65...+65°	-65...+65°	-70...+70°
Field of View Elevation	-7.5...+7.5°	-7.5...+7.5°	-7.5...+7.5°	-14...+14°
Angle Accuracy Azimuth	≤ 0.5°			
Angle Accuracy Elevation	≤ 0.5°			
MECHANICAL				
Weight	< 186 g			
Dimensions	79 x 97 x 22.45 mm			
GENERAL				
Update Cycle Time	≤ 50ms			
Operating Voltage / Power Supply	7...32 V / < 5 W			
Operating Temperature	-40...+85°C			
Interfaces	Ethernet 100Mbit (2-wire); 2xCAN FD 5Mbit/s			
Connector	TE 1411001-1 series			
IP	IP 67			

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