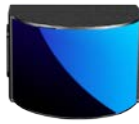


CH 64W Blind Spot Detection LiDAR



Abstract

CH64W is designed for blind area detection with large FOV. Its ultra wide horizontal field of view is 180° x 40°. The measurement accuracy is ±3 cm which help cars, robots and AGV have excellent perception for blind areas.

Parameters

Model		CH64W
Channel		64
Measurement Technique		TOF
Wavelength		905nm
Laser Classification		Class 1 (Eye-safe)
Range		80m
Accuracy		±3cm
Data Points Generated		350,000 pts/s
Rotation Rate		10Hz, 20Hz (optional)
FOV	Horizontal	180°
	Vertical	40°(-25°~ 15°)
Resolution	Horizontal	0.36°@10Hz
	Vertical	0.63°@10Hz
Operating Voltage		9V~36V DC
Operating Temperature		-40°C ~ 85°C
Communication Interface		Automotive Ethernet 1000Base-1
Shock Test		500m/sec ² , last11ms
Vibration		5Hz-2000Hz, 3G rms
Function Safety Level		ISO26262 (ASIL B)
IP		IP67
Dimension (L·W·H)		116 * 90 * 76 mm