

Automotive grade CH128X Hybrid solid state lidar sensor



CH128X1



CH128X2

Abstract

CH128X, long-range detection and perception performance for autonomous driving, but also has a mini size and a height of only 75/45mm, which is more suitable for autonomous vehicle.

Specifications

Model		CH128X1-200	CH128X2-200
Channel		128	
Measurement Technique		TOF	
Wavelength		905nm	
Classification		Class 1	
Measurement Range		200m@10%	
Ranging Accuracy		±3cm	
Data Points Generated		MAX 850,000pts/s	
Rotation Rate		10/20Hz	
Field of View (FOV)	Horizontal	120°	
	Vertical	-18°~ 7°	
Angular Resolution	Horizontal	0.18°(10Hz) , 0.36°(20Hz)	
	Vertical	Middle 0.125° , side 0.25°	
Operating Voltage		9V~36VDC	
Operating Temperature		-40°C ~85°C	
Communication Interface		CAN-FD&Automotive Ethernet 100Base-T1 or 1000Base-1	
Power Consumption		15W	
Shock Test		5Hz~2000Hz , 3G rms	
IP		IP6K9K	
Weight		850g	

Size(L* H * W)

118 x 75 x 90mm

140 x 45 x 110mm



深圳市镭神智能系统有限公司

