

Power	10 W	
Shock	500m/sec ² , Lasts 11ms	
Vibration	5Hz-2000Hz ,3G rms	
IP	IP67	
Weight	Weight 1.5kg	
Size (L·W·H)	Size (L·W·H) 155 * 107.5 * 90mm	

CH Series 64 Channel LiDAR (Hybrid Solid-State) ystem co.Ltd

--For Blind spot detection Large FOV



Abstract

The CH series 64-Channel large field of view LiDAR is a product designed for eliminating blind spots. It has an ultra-wide horizontal field of view of 160°, and two vertical field of view angles of 60° and 40°. The measurement accuracy is accurate to ±3cm. It can efficiently identify obstacles in the short range, and bring accurate environmental perception to the blind areas of vehicle, robots, and AGV.

SLIDAR

Specifications

Mode	l	CH64W		
Channel		6	4	
Measurement Technique		TC)F	
Wave Length		905nm		
Laser Classification		Class 1 Eye-safe/ IEC 60825-1:2007 & 2014		
Measurement Range		100m		
Ranging Accuracy		±3cm		
Data Points Generated		MAX 568,000 pc	pints per second	
Rotation Rate		5~20Hz		
Field of	tal tal			
View(FOV)	Vertical	-30°~ 30°	-20°~ 20°	

Phone: +86 139 2033 2675 Email: sales@leishenlidar.com Website: www.leishenlidar.com



Angular Resolution Horizon tal						
Vertical0.93°0.63°Operating Voltage9V~36VDCOperating Temperature-20°C ~ 65°CCommunication InterfaceAutomotive Ethernet 、 PPSShock Test500m/sec² , Lasts 11msVibration5Hz-2000Hz , 3G rmsIPIP67Size (L·W·H)174.4*113.5*144174.4*113.5*105				0.18° (10Hz)		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			Vertical	0.93°	0.63°	
Communication Interface Shock Test Shock Test Vibration IP IP67 Size (L·W·H) Automotive Ethernet 、 PPS 500m/sec² , Lasts 11ms 5Hz-2000Hz , 3G rms IP67 174.4*113.5*144 174.4*113.5*105	Operating Voltage		oltage	9V~36VDC		
Interface Automotive Ethernet 、 PPS Shock Test 500m/sec² , Lasts 11ms Vibration 5Hz-2000Hz , 3G rms IP IP67 Size (L·W·H) 174.4*113.5*144 174.4*113.5*105	Operating Temperature		perature	-20°C ~ 65°C		
Vibration 5Hz-2000Hz , 3G rms IP IP67 Size (L·W·H) 174.4*113.5*144 174.4*113.5*105				Automotive Ethernet 、 PPS		
IP IP67 Size (L·W·H) 174.4*113.5*144 174.4*113.5*105	Shock Test		st	500m/sec², Lasts 11ms		
Size (L·W·H) 174.4*113.5*144 174.4*113.5*105	Vibration		n	5Hz-2000Hz,3G rms		
	IP			IP67		
Weight *	Size (L·W·H)		н)	174.4*113.5*144	174.4*113.5*105	
	Weight			*		

CH Series 32/16 Channel LiDAR (Hybrid Solid-State)



Abstract The Contract of the C SLIDAR The CH series 80 Channel LiDAR sensor is designed for Autonomous vehicle. It uses a hybrid solid-state structure. The detection range is up to 200 meters. The measurement accuracy is accurate to ±2cm. The horizontal field of view is 120°, The measuring point rate is up to 426,000 points/sec (32 lines) and 213,000 points/sec (16 Channel), which can bring more accurate environmental perception for autonomous driving.

Future

Long measurement distance, high measurement accuracy, high horizontal resolution Automotive grade standard design, stable structure, lower power consumption. Z LSLIDAR

Easier for mass production, high cost performance.

DEMO

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