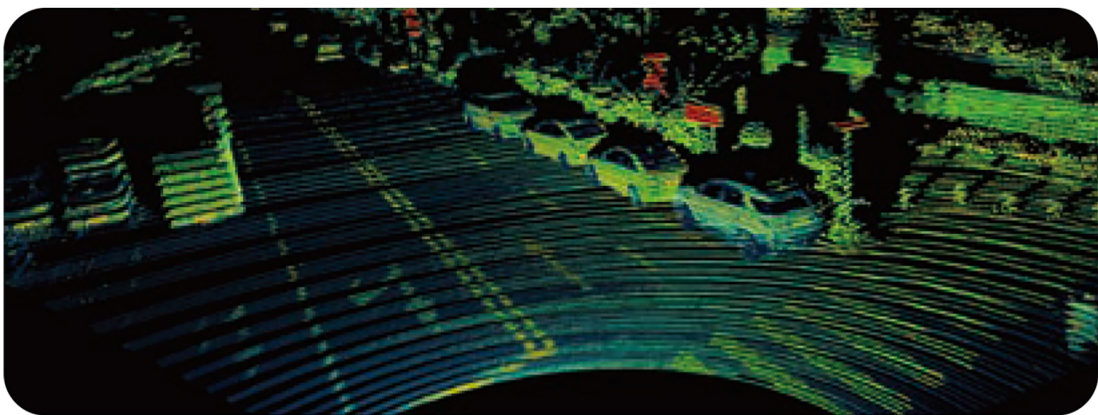


CH128 Series

Auto-grade Hybrid Solid-state LiDAR

LSLiDAR keeps upgrading CH128 series LiDAR with the requirements of factory-installed self-driving systems set by automotive OEMs. The stable and reliable performance of the original CH series Hybrid Solid-state LiDAR is fully integrated with the size, power consumption, function, safety, cost and other requirements of automobile manufacturers, and has passed a series of rigorous tests. CH128 series has achieved an unprecedented technological breakthrough in Hybrid Solid-state LiDAR on a global scale.



		CH128X1	CH128S1
LASER	Wavelength	905nm	905nm
	Laser Class	Class I	Class I
SPEC	Channels	128	128
	Detection Method	TOF	TOF
	Detection Range	200m (160m@10%)	200m (160m@10%)
	Range Accuracy	±3cm	±3cm
	Horizontal FOV	120°	120°
	Vertical FOV	25°(-18°~7°)	25°(-12.5°~12.5°)
	Horizontal Resolution	0.1° / 0.2° / 0.4°	0.1° / 0.2° / 0.4
	Vertical Resolution	0.125°@ROI, 0.25°@Non ROI	0.125°@ROI, 0.25°@Non ROI
	FPS	5 / 10 / 20 Hz	5 / 10 / 20 Hz
	Data Point Generating Rate	760,000 pts/sec	760,000 pts/sec
EXPORT	Communication Interface	Automotive / Industrial Ethernet	Automotive Ethernet
ELECTRIC	Input Voltage	9V~36V DC	9V~36V DC
	Power Consumption	15W	12W
ENVIRON-MENT	AUTOSAR	ASIL B	ASIL B
	IP Grade	IP6K9K	IP6K9K
	Operating Temperature	-40℃ ~ 85℃	-40℃ ~ 85℃
	Vibration Test	5Hz-2000Hz, 3G rms	5Hz-2000Hz, 3G rms
	Shock Test	500m/sec ² , lasting for 11ms	500m/sec ² , lasting for 11ms
MACHINE	Weight	≈1kg	≈1kg
	Dimensions (LxWxH)	118x90x75 mm	118x90x75 mm