

CX Series

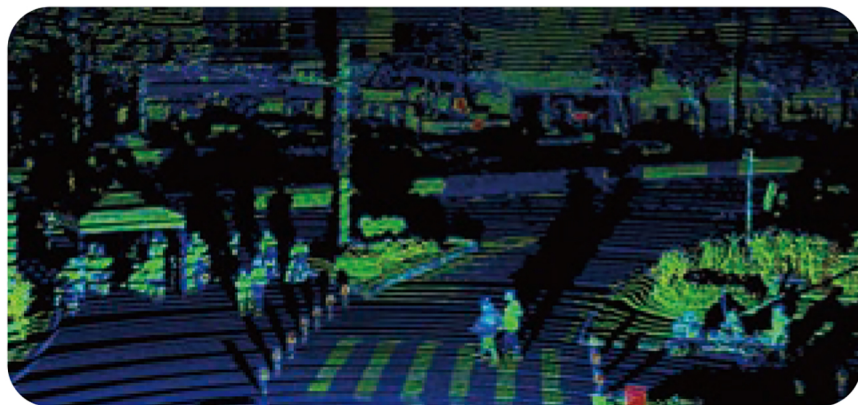
Auto-grade Hybrid Solid-state LiDAR

Thanks to the breakthroughs have been made by LSLiDAR, CX series is built on the miniaturization technology on automotive grade hybrid-solid state LiDARs and achieves a long detection range of 200 meters at 10% reflectivity and offers high angular resolution, it not only meets the performance requirements of remote detection and perception in autonomous driving but also has a mini size, suitable for embedding in the position of roof or front bumper, which is more in line with the aesthetic requirements of passenger car appearance design.

CX126S3



CX128S2



	CX126S3	CX128S2	CX128S2-R
Wavelength	905nm	905nm	905nm
Laser Class	Class I	Class I	Class I
Channels	126	128	128
Detection Method	TOF	TOF	TOF
Detection Range	180m@10%	200m@10%	200m@10%
Range Accuracy	≤3cm	±3cm	±3cm
Horizontal FOV	120°	120°	120°
Vertical FOV	25°(-12.5°~12.5°)	25°(-12.5°~12.5°)	25°(-12.5°~12.5°)
Horizontal Resolution	0.09° / 0.18° / 0.36°	0.05° / 0.1° / 0.2°	0.05° / 0.1° / 0.2°
Vertical Resolution	0.2°	0.125° @ROI, 0.25°@Non ROI	0.125° @ROI, 0.25°@Non ROI
FPS	5Hz / 10 Hz / 20 Hz	5Hz / 10 Hz / 20 Hz	5Hz / 10 Hz / 20 Hz
Data Point Generating Rate	840,000 pts/sec	1,530,000 pts/sec	1,530,000 pts/sec
Communication Interface	Automotive Ethernet	Automotive Ethernet	Industrial Ethernet
Input Voltage	9V~16V DC	9V~16V DC	9V~32V DC
Power Consumption	13.5W	-	-
AUTOSAR	ASIL B	ASIL B	-
IP Grade	IP6K9K	IP6K9K	IP6K9K
Operating Temperature	-40℃ ~ 85℃	-40℃ ~ 85℃	-40℃ ~ 85℃
Vibration Test	5Hz-2000Hz, 3G rms	5Hz-2000Hz, 3G rms	5Hz-2000Hz, 3G rms
Shock Test	500m/sec ² , lasting for 11ms	500m/sec ² , lasting for 11ms	500m/sec ² , lasting for 11ms
Weight	635g	≤935g	<1000g
Dimensions (LxWxH)	110x100.4x45 mm	139x112.78x47mm	139x115.7x47mm (Arc window; Rear outlet)
			139x100.3x47mm (Flat window; Rear outlet)
			139x114.2x47mm (Arc window; Side outlet)