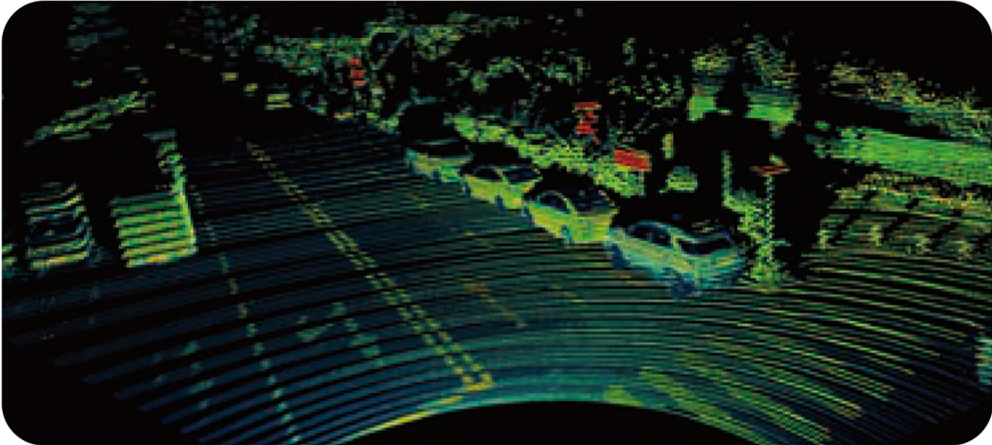


CH16X1

Auto-grade Hybrid Solid-state LiDAR

CH16X1 hybrid solid-state LiDAR is a modified version based on the CH128X1, inheriting its outstanding long-range measurement and high angular resolution characteristics. With its exceptional performance and stability, it can easily cope with a variety of complex environments, to ensure stable and accurate operation, widely used in grain bin testing, volume measurement and other fields.



Wavelength	905nm	Data Point Generating Rate	95,000
Laser Class	CLASS 1	Communication Interface	Automotive / Industrial Ethernet
Channels	16	Input Voltage	9V~36V DC
Detection Method	TOF	Power Consumption	12W
Detection Range	200 m (160 m @10%)	IP Grade	IP 6K9K
Range Accuracy	±3cm	Operating Temperature	-40℃ ~ 85℃
Horizontal FOV	120°	Storage Temperature	-40℃ ~ 105℃
Vertical FOV	-2°~2°	Vibration Test	5Hz-2000Hz, 3G rms
Horizontal Resolution	0.06° / 0.12° / 0.24° (Industrial Ethernet) 0.1° / 0.2° / 0.4° (Automotive Ethernet)	Shock Test	500m/sec ² , lasting for 11ms
		Weight	≈1kg
Vertical Resolution	0.25°	Dimensions (LxWxH)	118x90x75 mm
FPS	5Hz / 10Hz / 20Hz		