

CH32R/CH16R

Ultra-Wide Angle Blind Spot LiDAR

CH16R/CH32R LiDAR can realize 360° three-dimensional high-speed scanning with a dense 16/32 scanning channels. The PoE version uses a single Ethernet cable to solve power and data transmission, simplifying wiring, reducing costs, supporting 100 meter power supply, and improving system flexibility and installation convenience. Widely used in driverless, automotive ADAS, intelligent transportation, service robots, logistics, surveying and mapping, security, port, industry and other fields.



		CH32R / CH32R PoE	CH16R
LASER	Wavelength	905nm	905nm
	Laser Class	Class I	Class I
SPEC	Channels	32	16
	Detection Method	TOF	TOF
	Detection Range	120m@70% 30m@10%	120m@70% 30m@10%
	Precision	±3cm	±3cm
	Range Accuracy	±1cm	±1cm
	Horizontal FOV	360°	360°
	Vertical FOV	2.487°~89.105°	2.487°~52.798°
	Horizontal Resolution	0.09° / 0.18° / 0.36°	0.09° / 0.18° / 0.36°
	Vertical Resolution	Min 2.61°	Min 2.618°
	FPS	5Hz、10Hz、20Hz	5Hz、10Hz、20Hz
EXPORT	Data Point Generating Rate	Single Echo 640,000 pts/sec Dual Echo 1,280,000 pts/sec	Single Echo 320,000 pts/sec Dual Echo 640,000 pts/sec
	Communication Interface	100M Ethernet、PPS、PTP / 100M Industrial Ethernet	100M Ethernet、PPS
ELECTRIC	Input Voltage	12V~32V DC / 36~57V DC	12V~32V DC
	Power Consumption	12W (10Hz)	10W (10Hz)
ENVIRON-MENT	IP Grade	IP67	IP67
	Working Temperature	-20℃~60℃	-20℃~60℃
	Vibration Test	5Hz-2000Hz, 3G rms	5Hz-2000Hz, 3G rms
	Shock Test	500m/sec², lasting for 11ms	500m/sec², lasting for 11ms
MACHINE	Weight	1000g / 1050g	1000g
	Dimensions (DxH)	Φ100x110mm / Φ100x124mm	Φ100x110mm