

C32W Wide-view Mechanical LiDAR



Abstract

C32W not only owns 360°x 69.9° ultra-wide scanning field of view, but also centrally scanning the space below the LiDAR, which is possible to efficiently recognize the low obstacles in the near-distance, greatly reduced the detection of blind zone space.

Parameters

Model	C32W	
Channel	32	
Measurement Technique	TOF	
Wavelength	905nm	
Laser Classification	Class 1 (Eye-safe)	
Range	160m	
Accuracy	±2cm	
Data Points Generated	300,000 pts/s	
Rotation Rate	5Hz, 10Hz, 20Hz(optional)	
FOV	Horizontal	360°
	Vertical	-55°~ 14.9°
Resolution	Horizontal	5Hz: 0.09°/ 10Hz: 0.18°/ 20Hz: 0.36°
	Vertical	Min 1.33°
Operating Voltage	9V~ 36V DC	
Communication Interface	Ethernet, PPS	
Operating Temperature	-20℃ ~60℃ (Customized up to -40℃)	
Shock Test	500m/sec ² , last11ms	
Vibration	5Hz-2000Hz, 3G rms	
IP	IP67	
Weight	≤1500g	
Dimension (D-H)	102*105mm	