

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°C ~60°C (Customized up to -40°C)
Shock Test		500m/sec ² , last11ms
Vibration		5Hz-2000Hz, 3G rms
IP		IP67
Weight		≤1500g
Dimension (D·H)		102*105mm