

LS01 Series 360°Triangular LiDAR



Abstract

LS01 series LiDAR is a 2D LiDAR developed by Leishen. This series LiDAR can do 360° 2D scanning to generate spatial point cloud map .

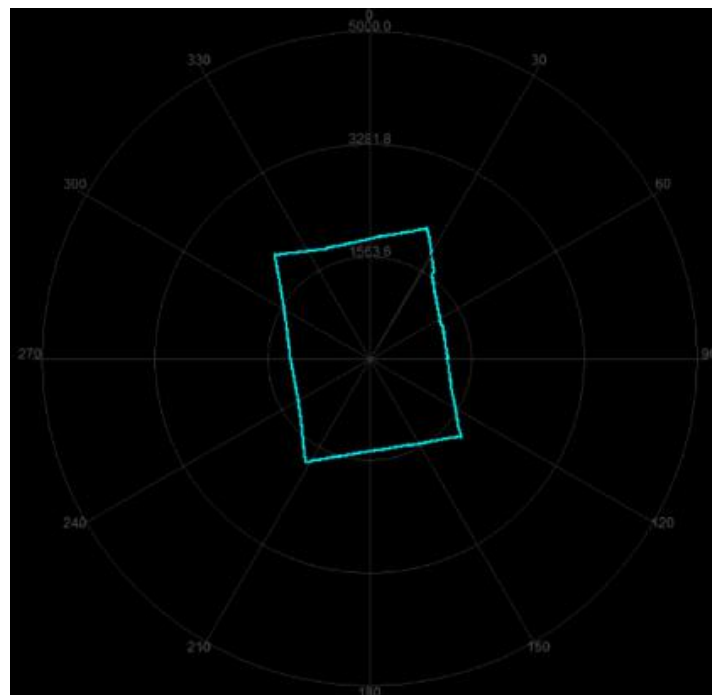
Features

- Triangulation principle , Cost-effective
- Max light intensity up to 20,000lux
- Compact, low power consumption, durable

Applications

- Robotic self-navigation and positioning
- AGV self-navigation and positioning

Demo (LS01B)



Specifications

Model	LS01B
Rotation Rate	10Hz
Measurement Range	8m/ 16m/ 28m
Ranging Accuracy	Distance \leq 1m: accuracy $<$ 10mm; Distance $>$ 1m : accuracy $<$ 1% of distance
Data Points Generated	16000 points per second
Scanning angle	360°
Angular Resolution	0.25°(0.25°/ 0.5°/ 1°optional)
Illumination intensity	20000 lux
Operating Voltage	5V
Communication Interface	UART
Weight	180g
Dimension (D·H)	Φ 75.54*40.37mm



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