

## 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 .

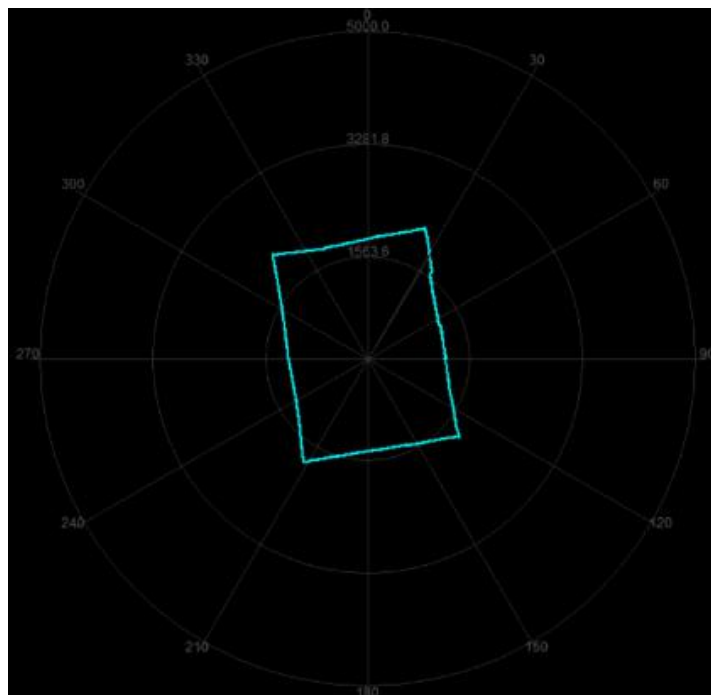
### Features

- 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 )	$\Phi$ 75.54*40.37mm