

360° TRIANGLE LIDAR



LS01B

LS01 LiDAR is a two-dimensional detection and ranging product independently developed by LeiShen Intelligent. Adopting the triangulation measurement method, it performs 360° two-dimensional scanning within the detection range to generate plane point cloud map information of the surroundings.

- Using the principle of triangulation, cost-effective
- The maximum acceptable ambient light intensity is 20000 lux
- Small size, low power consumption, long life, safe to use

Wavelength	10Hz
Laser Class	8m / 12m / 16m
Range Accuracy	Distance \leq 1m: accuracy $<$ 10mm; Distance $>$ 1m : accuracy $<$ 2.5% of distance
Data Point Generating Rate (pts/sec)	14,400
FOV	360°
Angular Resolution	0.25°
Ambient Light Intensity	20000 lux
Input Voltage	4.75V~5.25V DC
Communication Interface	UART serial port
Weight	180g
Dimensions (LxWxH)	Φ 75.54x40.37 mm