

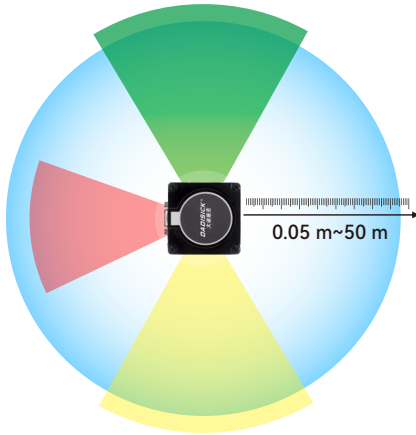
# TECHNICAL DATA SHEET

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## 2D SCANNING LIDAR LD-50G series



## Product Introduction



LD-50G is a 2D single-line laser radar. Based on the TOF ranging principle, two-dimensional area detection is realized by rotating scanning. It has the characteristics of long distance, high precision and high cost performance. Mainly for AGV/AMR, service robot, intelligent transportation, intelligent logistics, volume measurement, safety inspection and other fields.

## Application Scenario



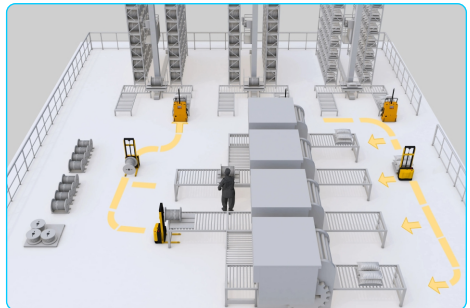
AGV / Intelligent Logistics



Smart transportation



Service robot



Safety inspection

## Specifications

### Basic parameters

Laser wavelength	905nm
Eye safety level	Class 1 (IEC60825-1:2014)
Working radius	20m@10% Reflectivity 50m@70% Reflectivity
Scan angle range	270°
Measurement accuracy	±2cm
Angular resolution	0.06°@10Hz 0.09°@15Hz 0.12°@20Hz
Sampling frequency	60k

### Environmental parameters

Degree of protection	IP65
Operation temperature	-20°C - 60°C
Storage temperature	-30°C - 80°C
Anti-ambient light ability	80000Lux

### Data interface

Data interface	100Mbps ethernet interface
Protocol	UDP

### Mechatronic Parameters

Power	2.5W
Operating Voltage	9-32V DC
Size	60mm*60mm*84.5mm
Weight	205g

## Lidar Appearance



## Lidar size

