



RPLIDAR A1M8 - 360 Degree Laser Scanner Development Kit SKU:DFR0315

INTRODUCTION



360 Degree Omnidirectional Laser Range Scanning

The core of RPLIDAR A1 runs clockwise to perform a 360 degree omnidirectional laser range scanning fo its surrounding environment and then generate an outline map for the environment.





FEATURES



Ideal for Robot Navigation and Localization RPLIDAR is the designed sensor for applying SLAM algorithm



With the scan rate set as 5.5Hz and the resolution is 0.2% percent of the actual distance

	Plug and Play	
	Just connecting the RPLIDAR and a computer via a micro USB cable, users can use the RPLIDAR without any coding job	
	र्थ∕IOI GPL ाः ROS	
	Build an sama port Open source Integration and USB standard BDR and solar Web H05	
and the second second		
	-p	
	ľ	

APPLICATIONS

Applications



Robot Localization & Mapping (SLAM)



3D Modeling



Obstacle Avoidance Safety & Security



Multitouch & Human Interaction

Best Sensor for Robots

Obstacle Avoidance, Mapping, Localization, Navigation



RoboPeak Mini Robot generates the environment map and find its way to the destination using an RPLIDAR



Realtime ICP-SLAM based on RPLIDAR



SPECIFICATION



Note: It has been newest Model: A1M8 — 2018/5/15

RPLIDAR A1M8 - 360 Degree Laser Scanner Development Kit Review

SHIPPING LIST

360 Degree Laser Scanner Development Kit x1

https://www.dfrobot.com/product-1125.html 8-22-18