

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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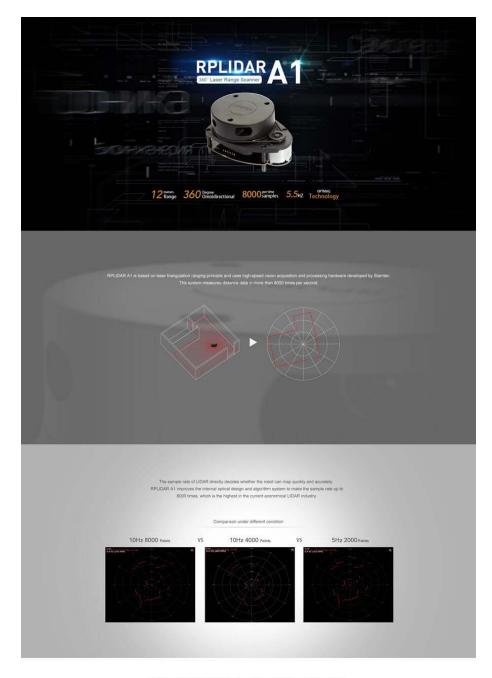






RPLIDAR A1M8 - 360 Degree Laser Scanner Development Kit SKU:DFR0315

INTRODUCTION

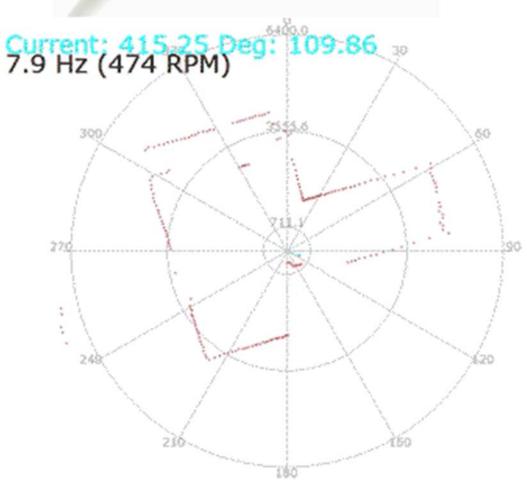


360 Degree Omnidirectional Laser Range Scanning

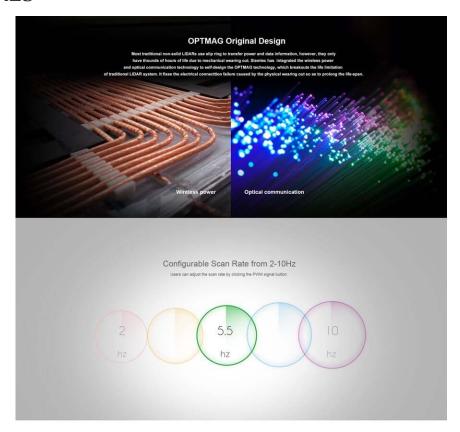
its surrounding environment and then generate an outline map for the environment.







FEATURES



Ideal for Robot Navigation and Localization

RPLIDAR is the designed sensor for applying SLAM algorithm

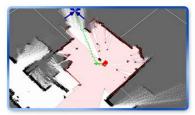


With the scan rate set as 5.5Hz and the resolution is 0.2% percent of the actual distance

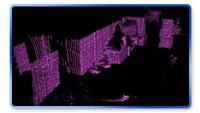


APPLICATIONS

Applications —



Robot Localization & Mapping (SLAM)



3D Modeling



Obstacle Avoidance Safety & Security



Multitouch & Human Interaction

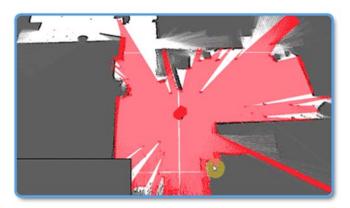
Best Sensor for Robots

Obstacle Avoidance, Mapping, Localization, Navigation





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



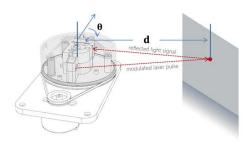
Realtime ICP-SLAM based on RPLIDAR

Mechanism =

2000 fps

High Speed Laser Triangluation Vision System
Designed by RoboPeak

RPUDAR emits modulated infrared laser signal and the laser signal is then reflected by the object to be detected. The returning signal is sampled by vision acquisition system in RPUDAR and the DSP embedded in RPUDAR starprocessing the sample data and output distance value and apple value in between onlying and RPUDAR through



Size & Weight



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