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INDUSTRIAL PRODUCT DATASHEET

RPLiDAR A1M8 360 Degree Laser Scanner Kit - 12M Range

RPLIDAR A1 is a low cost 360-degree 2D laser scanner (LIDAR) solution developed by SLAMTEC.

SKU	UPDATED	PRICE
110991065	2026-11-11 08:04:37	$99.00(Excl. VAT)



Overview



RPLIDAR A1 is a low cost 360-degree 2D laser scanner (LIDAR) solution developed by SLAMTEC. The system can perform a 360degree scan within a 6meter range. The produced 2D point cloud data can be used in mapping, localization, and object/environment modeling. Note: This product has been replaced by an upgraded version, RPLiDAR A1M8-R6. Click here for more details.

Key Features

01 Measures distance data in more than 8000 times/s

02 360 Degree Omnidirectional Laser Range Scanning

03 8000 times sample rate, the highest in the current economical LIDAR industry

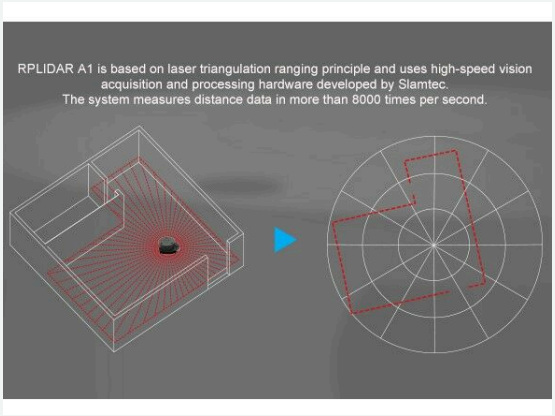
04 OPTMAG Original Design, prolong the life-span

05 Configurable Scan Rate from 2-10Hz

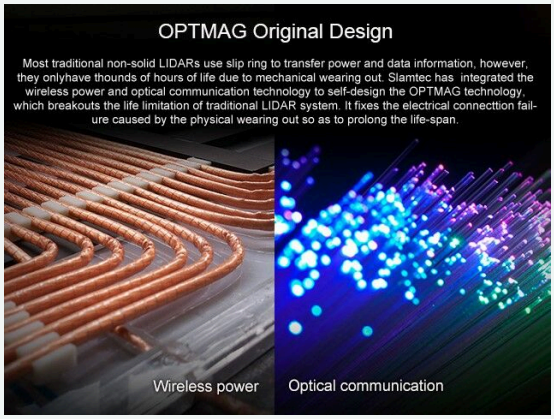
06 Ideal for Robot Navigation and Localization

07 Plug and Play

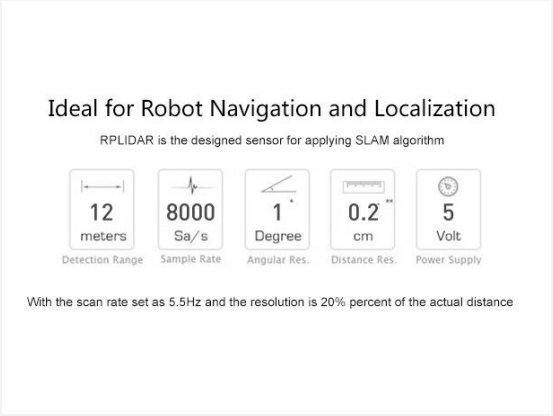
Product Gallery













Applications

- Home service /cleaning robot navigation and localization
- General robot navigation and localization
- Smart toy's localization and obstacle avoidance
- Environment scanning and 3D re-modeling
- General simultaneous localization and mapping (SLAM)

Resource Links

- https://www.seeedstudio.com/RPLiDAR-A1M8-360-Degree-Laser-Scanner-Kit-12M-Range.html
- Slamtec Lidar Documentation Hub

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