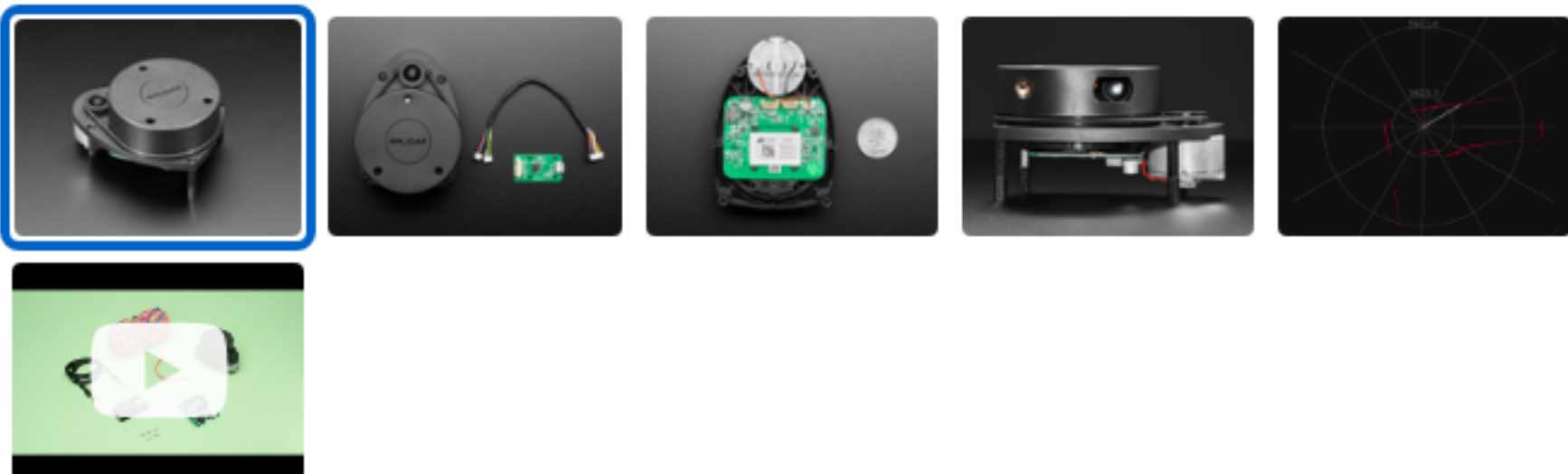


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Technical Details



The sensor comes with an onboard connector with power and data pins. You can power from 5V, and data is 3V logic "TTL" serial. You could in theory power and communicate directly over the serial pins, but for most computers, it will be a lot easier to use a USB cable and connect to the included USB-serial converter dongle. Please note: despite having RP in the name, its *not* just for Raspberry Pi computers. [Slamtec provides plug-n-play software that ran on our computer very easily and will plot out the 2D point cloud data for quick testing.](#)

Revision History:

- As of June 2, 2021 Slamtec has revised the LIDAR to look slightly different: PCB color and enclosure are changed. It is labeled A1M8.

Specifications:

- Power Supply: 5V
- Detection Range: 12 meters
- Sample Rate: 8,000 Samples/s
- Angular Resolution: 1 degree
- Distance Resolution: 0.2cm (If scan rate set as 5.5Hz, resolution is 0.2% of actual distance)
- Dimensions:
 - Overall width: 98.5mm
 - Height: 60mm
 - Weight: 170g
- Visit [Slamtec's support page](#) for software, CAD files, documentation and more

A1M8 Datasheet

Using the Slamtec RPLIDAR on a Raspberry Pi

Letting a Pi know what's around it

May We Also Suggest...



TEmini Infrared Time of



Laser Diode - 5mW 650nm



Line Laser Diode - 5mW



Cross Laser Diode - 5mW



TTL Laser Diode - 5mW



Barcode Reader/Scanner



Barcode Reader/Scanner



Garmin LIDAR-Lite Optical



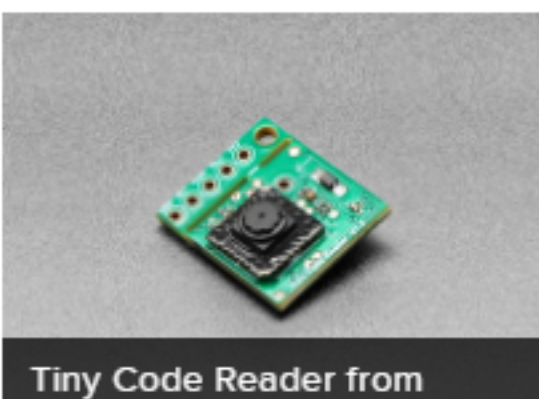
Garmin LIDAR-Lite Optical



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“To be persuasive we must be believable; to be believable we must be credible; to be credible we must be truthful.”

– Edward R. Murrow

