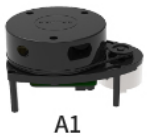
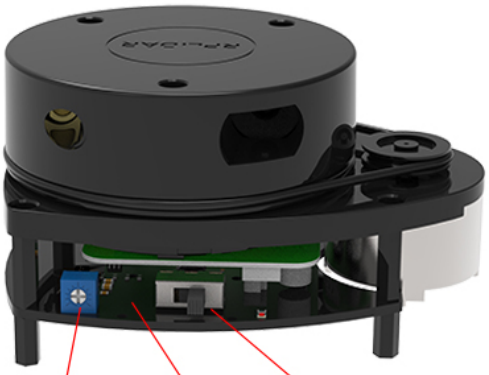
About SLAM Lidar

Lidar	Measure method Measure radius	Measure frequency	Scanning frequency	Usage scenes	Application field
TOF  C1	Triangular Ranging 12m	5000 times/s	8-12Hz	indoor /outdoor	Open source hardware, educational robot, sweeping robot, service robot navigation obstacle avoidance, mapping, environment modeling.
 A1	Triangular Ranging 12m	8000 times/s	5.5-10Hz	indoor	
 A1 high-speed version HOT	Triangular Ranging 12m	8000 times/s	7-16Hz Stepless regulation With switch control, no need serial port transfer	indoor	
 A2M12	Triangular Ranging 12m	16000 times/s	15Hz	indoor	Robot simultaneous localization and map construction (SLAM), environment scanning and 3D reconstruction, obstacle detection, multi-touch and human-machine interaction.
 A3	Triangular Ranging 25m	16000 times/s	20Hz	indoor /outdoor	
 S2L	TOF ranging 18m	32000 times/s	15Hz	indoor /outdoor	Service robot navigation and obstacle avoidance, AGV vehicle obstacle detection and avoidance, parking space detection, multi-touch and large screen interaction, environmental scanning and 3D reconstruction, Drone mapping and obstacle avoidance.
 S2	TOF ranging 30m	32000 times/s	15Hz	indoor /outdoor	
 M2	TOF ranging 40m	9200 times/s	15Hz	indoor /outdoor	It satisfies the above-mentioned fields, and has built-in mapping and positioning functions at the same time, without external dependence, and mapping can be performed after power-on. It is more suitable for users who need instant mapping.

A1 lidar high-speed upgrade version
Scanning frequency can be adjusted

A1 official standard 5.5Hz

A1 high-speed version 7~16Hz can be adjusted
The dynamic performance of SLAM
mapping navigation is significantly improved

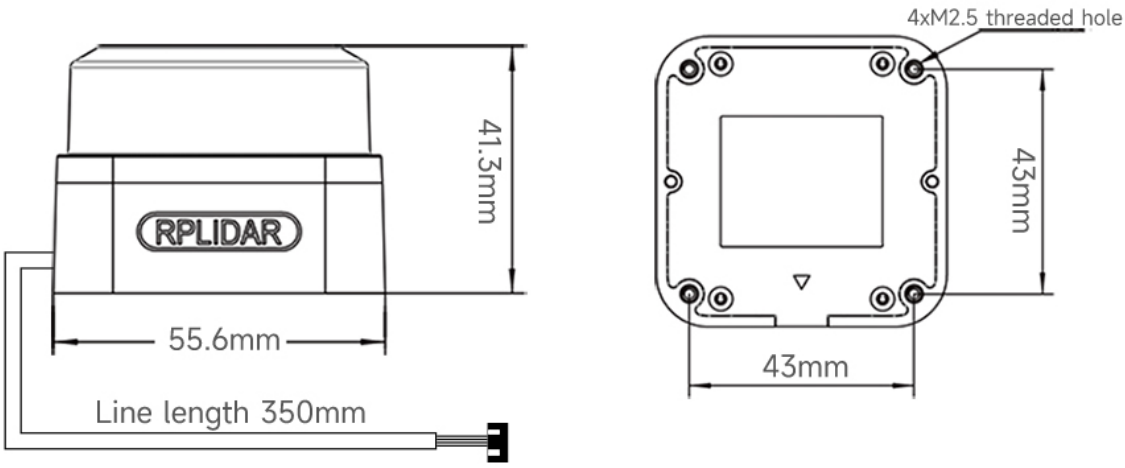


Through the adjustable knob,
scanning frequency can be adjusted

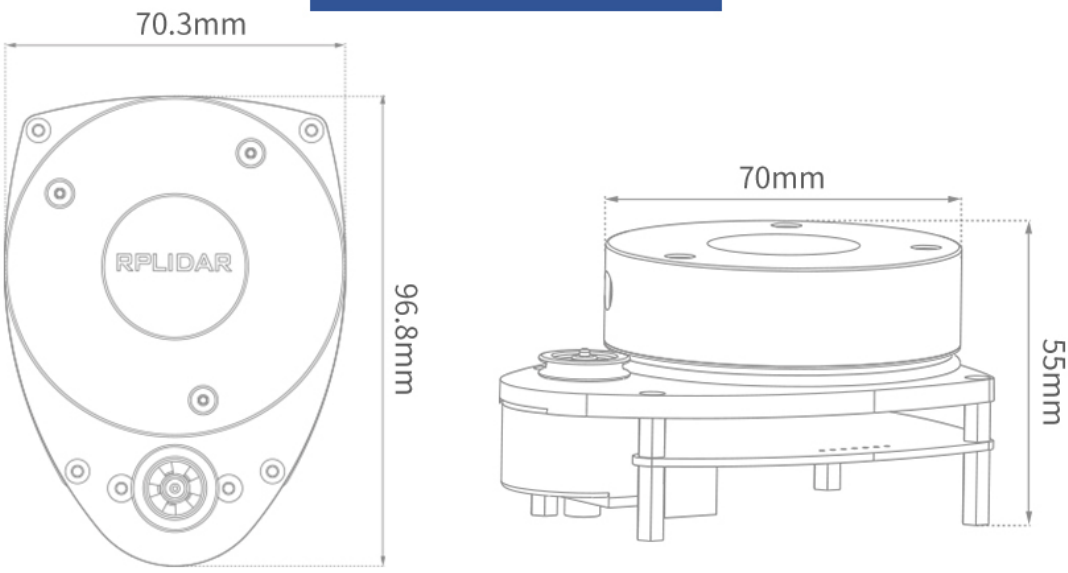
Lidar power switch

Built-in USB serial port chip, Type-c data cable
Direct connection, no adapter board required

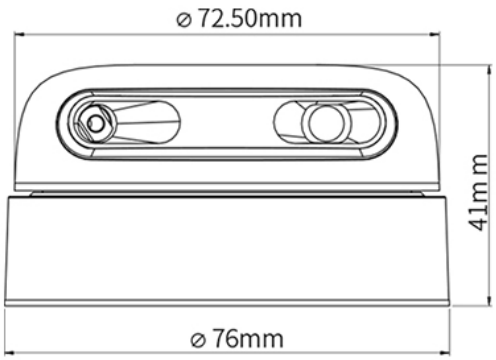
Product size



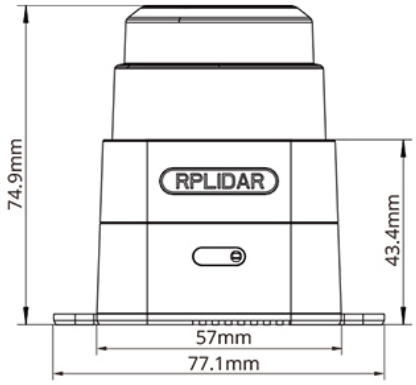
C1 Size parameters



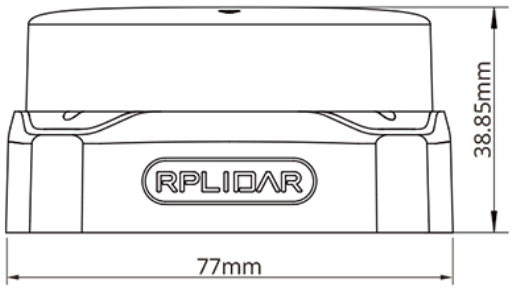
A1/A1 high-speed Size parameters



A2/A3 Size parameters



M2 Size parameters



S2/S2L Size parameters