

# TL-3

Solid-State 2D LiDAR



## PRODUCT FEATURES

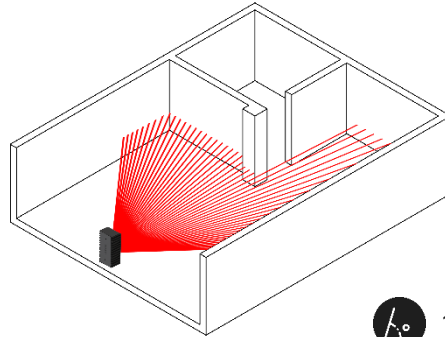
Rev. 1907

- Non-rotating solid state 2D LiDAR sensor (**no noise and vibration**)
- Rapid scan frequency (**30 Hz**) and high angular resolution (**0.1 °**)
- Compact (**42 x 81 x 29 mm**) and lightweight (**58 g**)
- Low power consumption (**5 V / 500 mA**)
- Convenient connection and usage
- Support ROS driver



## APPLICATION AREAS

- Indoor mobile robots
- Safety and security
- Internet of things(IoT)
- Education

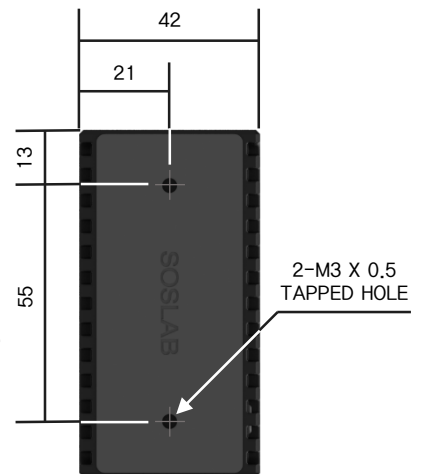
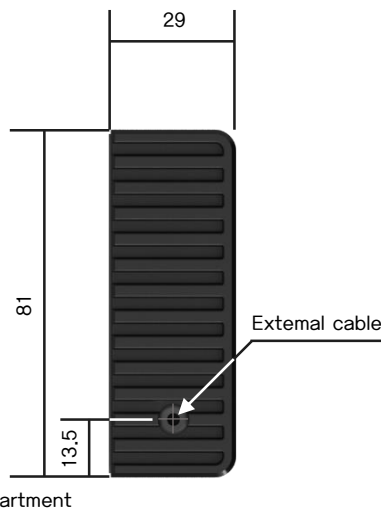
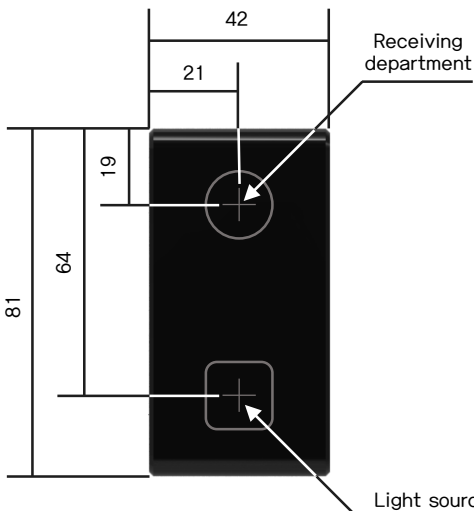


100°



0.1m~5m

## DIMENSIONS



## SPECIFICATIONS

Model	TL-3_V2
Supply Voltage	DC 5 V $\pm$ 0,2 V
Supply Current	Approximately 500 mA (5 V)
Light Source	Wavelength 940 nm infrared laser
Detection Range	0.1 m ~ 5 m (A white object with a reflectance of 90 % or more)
Repeated Accuracy	5 % of the distance
Scanning Angle	100 °
Angular Resolution	0.1 °(Based on 30 Hz)
Scanning Frequency	30 Hz
Response Time	Below 40 msec
Startup Time	Below 1 sec
Interface	UART
Ambient Light Immunity	Below 1,000 lux
Operating Temp	-10 ~ 50 °C
Weight	58 g (Not including cable)
Dimensions	42 x 29 x 81 mm (WDH)



CLASS 1 LASER PRODUCT

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