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INDUSTRIAL PRODUCT DATASHEET

TOFSense - Time of Flight Laser Ranging Sensor

TOFSense is a laser ranging sensor based on TOF (time of flight).

SKU	UPDATED	PRICE
101990702	2026-11-11 08:33:20	$20.90(Excl. VAT)



Overview



TOFSense is a laser ranging sensor based on TOF (time of flight). The measuring range is 1cm~5m, and the range resolution is 1mm. The data update frequency is 10Hz and has an adjustable FOV (Field of view) with a maximum field angle of 27°, which can meet the demands of several scenes. Also, it supports UART and CAN communication protocols. It supports active and query output data, multi-sensor cascade ranging and I/O complementary output.

Key Features

01 **Based on TOF (Time of Flight) laser ranging technology**

02 **Adjustable FOV (Field of view) with 15~27°**

03 **Supports UART, CAN, and I/O communication with shared physical interface**

04 **Support multi-module cascade connection**

05 **Support active and query output**

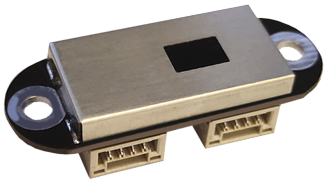
06 **Supports 3 distance measuring modes (short, medium, long)**

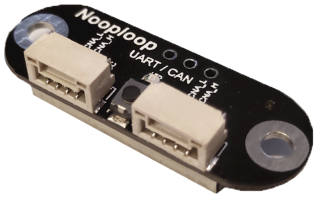
07 **7~5.2V power supply with anti-reverse protection**

08 **Low power consumption (290mW)**

09 **940nm laser in compliance with Class1 Standard stipulated in IEC 60825-1**
2014Version 3

Product Gallery







Applications

- Unmanned aerial vehicle height setting, ceiling detection
- Robot obstacle avoidance
- Measuring and detecting

Resource Links

- https://www.seeedstudio.com/TOFSense-p-4701.html
- Datasheet
- User Manual

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