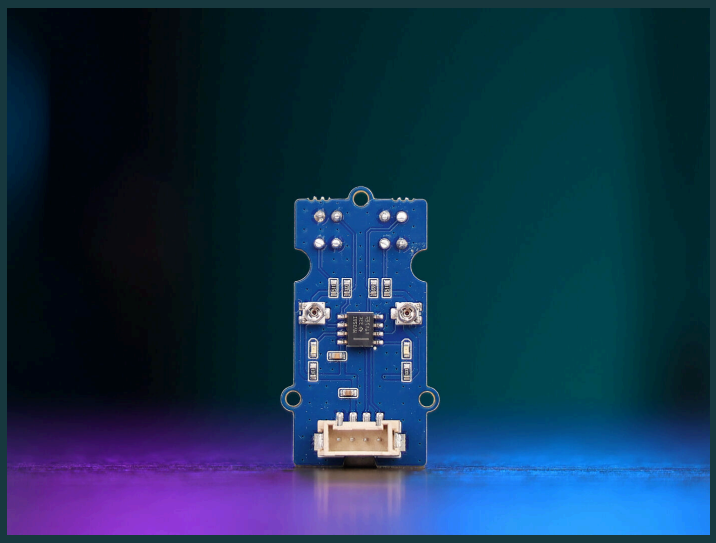
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INDUSTRIAL PRODUCT DATASHEET

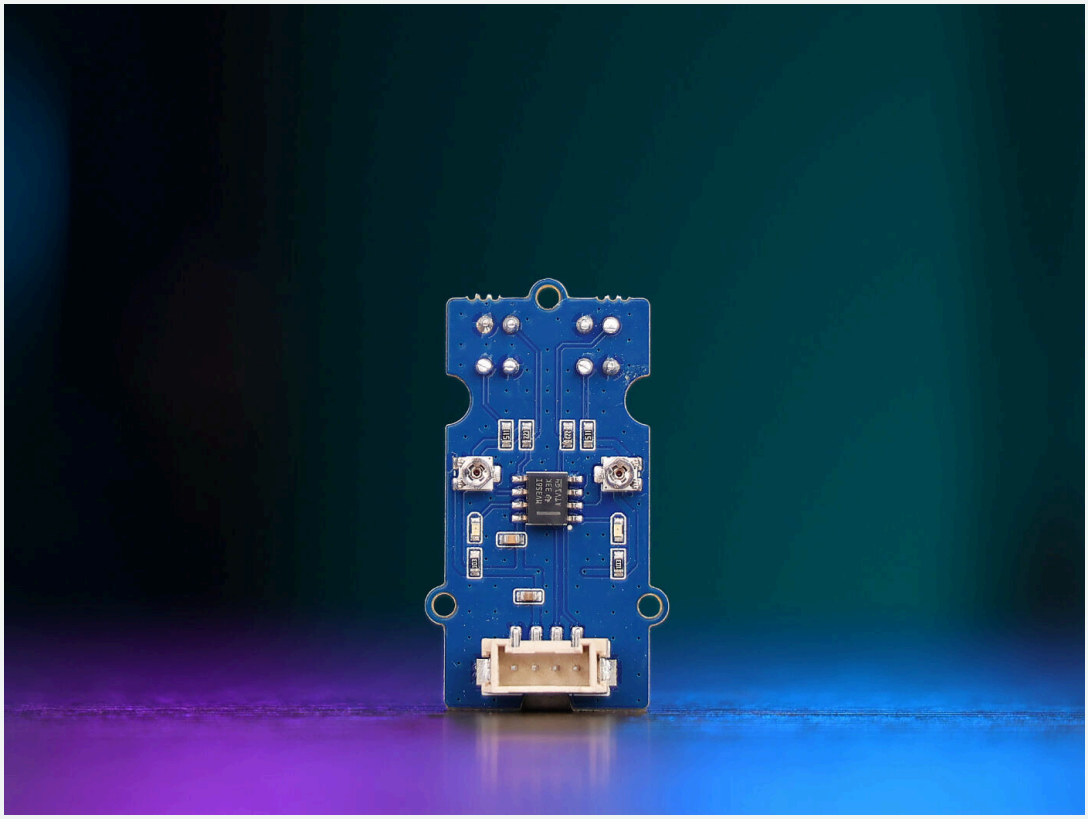
Grove - IR Line Follower Sensor V3.0

It is designed for use with line-follower robots.

SKU	UPDATED	PRICE
101021132	2026-11-11 09:00:20	$5.00(Excl. VAT)



Overview



It is designed for use with line-follower robots. It has 2 IR LEDs and 2 IR sensitive phototransistors. The sensors on the board that look like eyes are actually IR LEDs and sensitive phototransistors. When the phototransistor detects infrared light reflected from the IR LEDs, it outputs a digital signal that changes from high to low.

Key Features

01 **Fast response time**

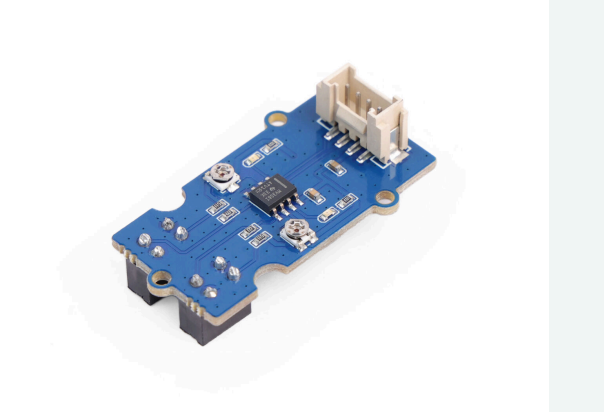
02 **High analytic**

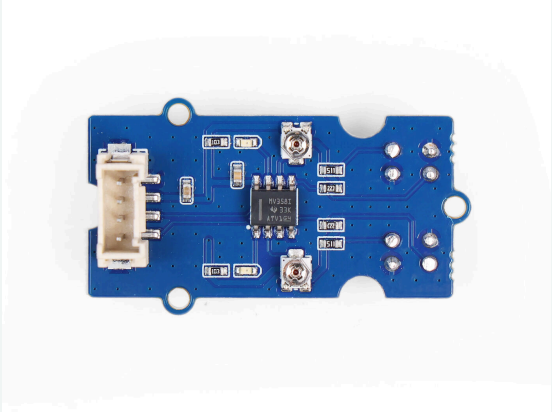
03 **Cut-off visible wavelength λp=940nm**

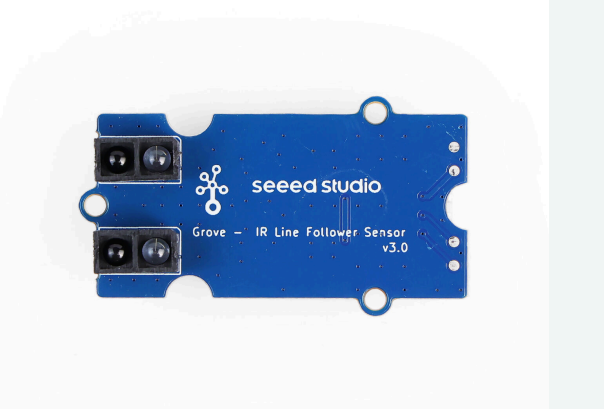
04 **Adjustment potentiometer and indicator LED**

05 **Dual detection**

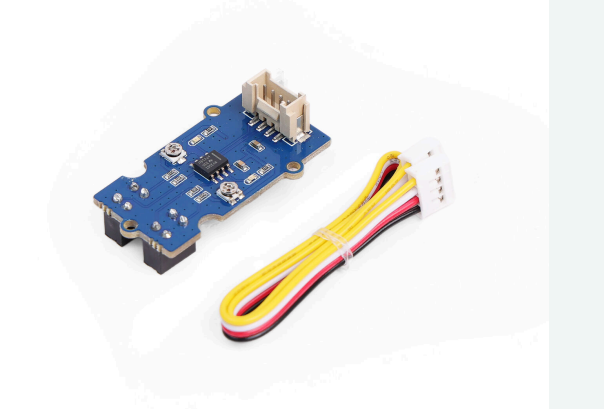
Product Gallery

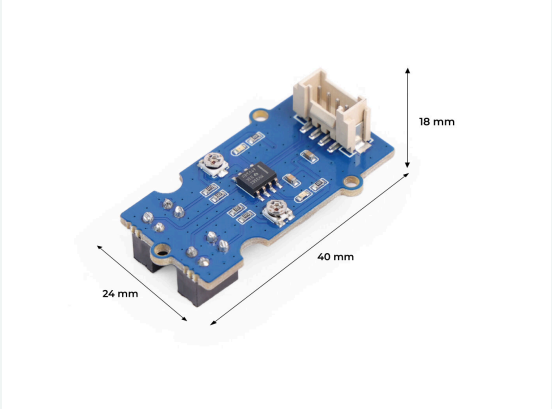




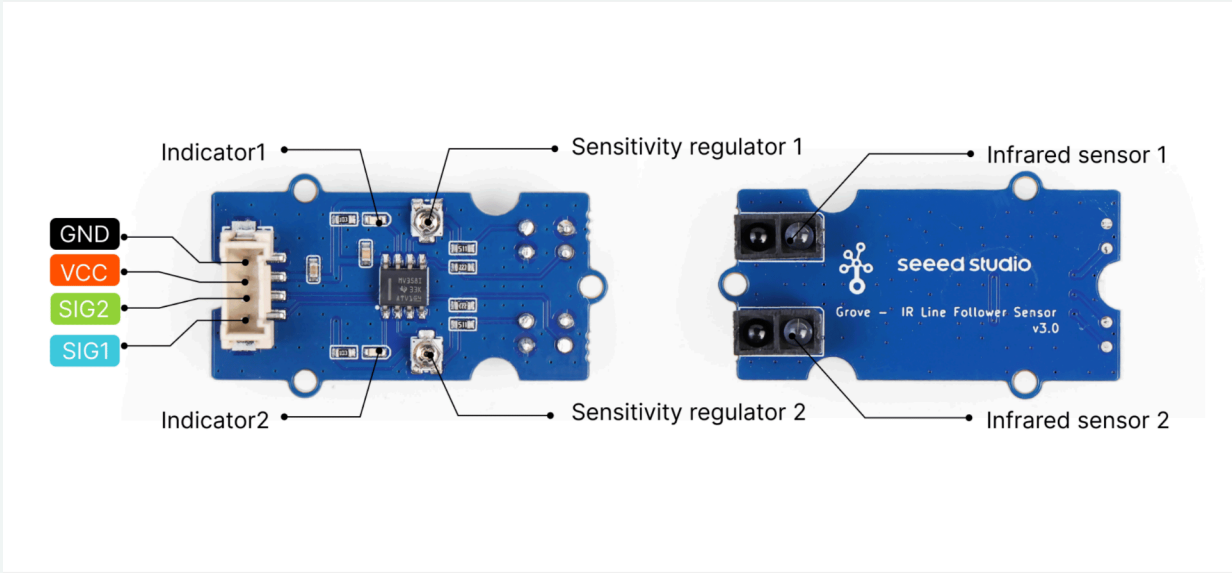








Hardware Overview



Applications

- **Black and White Inspection**
- **Robotic line tracking**

Resource Links

- https://www.seeedstudio.com/Grove-IR-Line-Follower-Sensor-V3-0-p-5992.html
- Grove - IR Line Follower Sensor v3.0_SCH_PDF_240617.pdf
- 314020241_ITR9909_datasheet.pdf

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