Zio Rotary Encoder Sensor

SKU: 101905

Description:

This is a U-Shaped infrared sensor that can be used to detect the rotational speed of a motor mounted on a robot. This reading can be used to adjust the motor speed if it is too fast or too slow, and to calculate the robot's real-world travel speed. Using a pair of these sensors, we can also measure the robot's rotation, enabling navigation based on dead-reckoning methods.

Specification

- U-Shaped Sensor Gap: 5mm
- Output Signal Explaination: when the IR beam is unobstructed (not blocked by the encoder disc) it outputs a logic-LOW level(0); when blocked it outputs HIGH Level(1).
- IR Signal Trigger: SN74LVC1G14 Single Schmitt-Trigger Inverter
- Dimension: 32x 14mm
- Weight: 1.9g

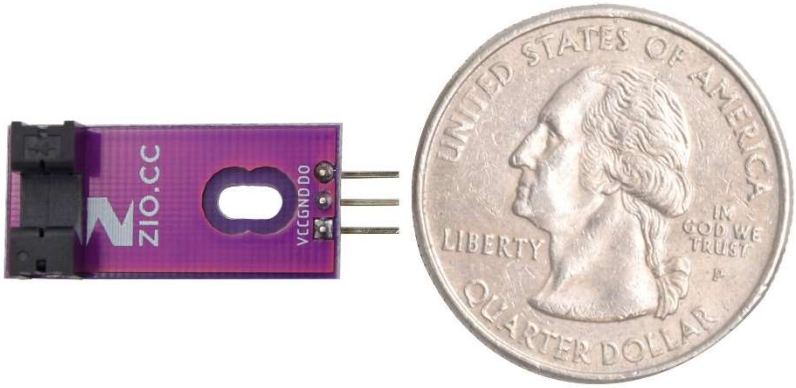
Links:

- Eagle file
- How IR Sensor Works
- SN74LVC1G14 Datasheet

More Product Picture:


DO GND VCC


VCC GND DO
ZIO.CC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