

Grove - Infrared Reflective Sensor

SKU 101020029

Description

This product is retired, please consider the new version [Grove - Infrared Reflective Sensor V1.2](#) as your alternative choice.

The reflectivity of infrared light varies with the color and distance of the reflecting surface. According to this principle, Grove - Infrared Reflective Sensor utilizes a RPR220 reflective photosensor module to detect color and distance. When a light-colored object approaches, the signal intensity received by infrared reflective sensor increases and the indicator LED on board turns red. When a dark-colored object approaches, the intensity decreases and the LED turns off.

This sensor is a basic and widely used part in applications such as line-following cars, rotary speed detection, auto data logging on utility meters or other situations where color or distance contrast is sharp.

Features

- Operating voltage: 3.3 V - 5 V
- Digital output, 0 or VCC
- High resolution sensor; minimum detectable length: 1mm black line
- Effective distance : 4-15mm
- Indicator LED on board
- Sensitivity adjustable via potentiometer
- Small Grove 1X1 compatible interface

For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through [Preface - Getting Started](#) and [Introduction to Grove](#) before your using of the product.

Technical Details

| | |
|------------|--------------------|
| Dimensions | 50mm x 70mm x 10mm |
| Weight | G.W 6g |
| Battery | Exclude |

Part List

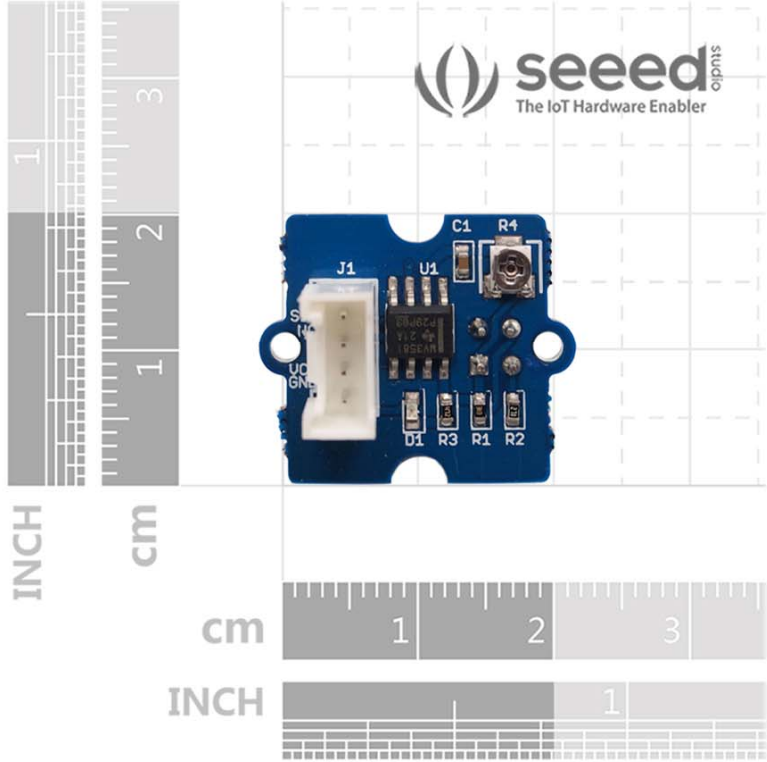
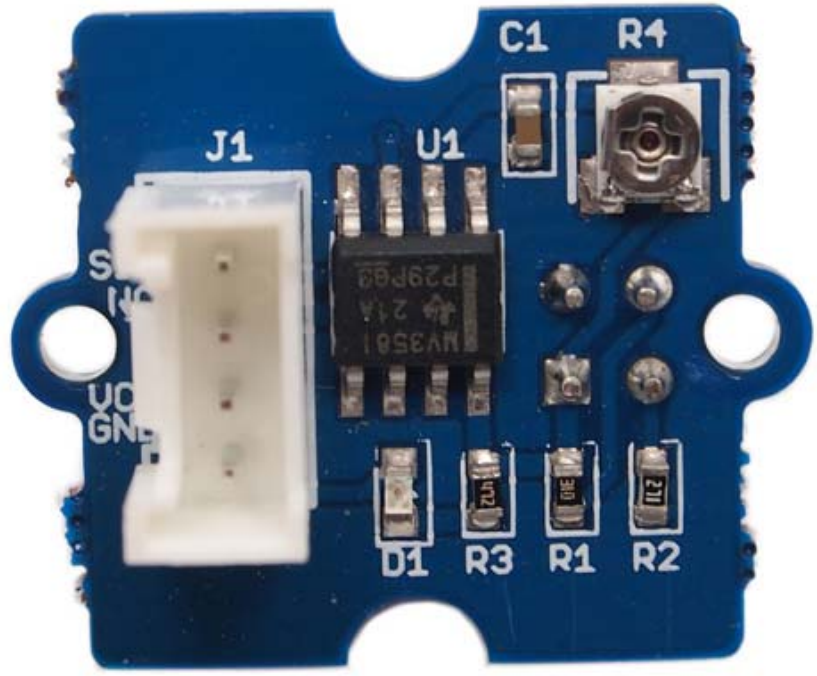
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ECCN/HTS

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| ECCN | Not Available |
| HSCODE | 9031900090 |

Certification

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|------|-----------|
| RoHS | Compliant |
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<https://www.seeedstudio.com/Grove-Infrared-Reflective-Sensor-p-1230.html>/12-6-18