



## Grove - Infrared Reflective Sensor v1.2

SKU 101020174


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### Description

Grove - Infrared Reflective Sensor v1.2 can be used for detection of proximity and color of objects. The reflective photosensor - **RPR-220** used in this module consists of an infrared light emitting diode and a high -sensitivity phototransistor. Light-colored objects directly in front of the sensor will reflect more infrared light as well as generate more current in the phototransistor than an object with dark-colored surfaces, this can be tell from a built-in indicator LED which will turn red with sufficient flow of current. Also, the intensity of the reflective light increases as the object getting closer. You can adjust the potential-meter on the back of the board if you want to detect a specific object (eg. Black line) at a certain distance. This sensor is a widely used in applications such as line-following robots, rotary speed detection, auto-data logging on utility meters or other situations where color or distance contrast is sharp.

### Features

- Easy to use
- Panel-mounting Grove interface
- Digital output: 0 or VCC
- Built-in indicator LED
- Threshold adjustable via potentiometer
- Power supply: 3.5 – 5.5V DC
- Reflective Photosensor: RPR-220
- Effective working distance: 4-15mm
- Minimum detectable width for monochrome lines: 10mm
- Connector: 4 pin Buckled Grove interface
- Dimension: 20mm\*20mm

### Documents

Please visit our [wiki page](#) for more info about this product. It will be appreciated if you can help us improve the documents, provide more demo code or tutorials. For technical support, please post your questions to our [forum](#).

### Best-sellers



Grove - IR Distance Interru...



Grove LED Bar v2.0



Grove - Ultrasonic Ranger



Grove - PIR Motion Sensor

Dimensions	89mm x 140mm x 10.5mm
Weight	G.W 9.5g N.W 8.5g
Battery	Exclude

Questions and Answers

Have a question about this? Ask people who own it.



View History



Grove - Gas Sensor(MQ2)



Grove - Gas Sensor(MQ5)



Grove - Infrared Temperat...



Grove - 3-Axis Digital Acce...

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