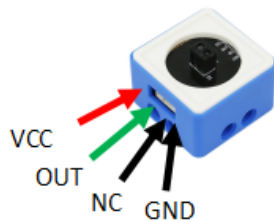


# About infrared modules

## 1. Introduction to infrared module

The infrared sensor has a pair of infrared signal transmitting and receiving diodes. The transmitting tube transmits infrared signals of a certain frequency, and the receiving tube receives infrared signals of this frequency. When the detection direction of the sensor encounters an obstacle (reflective surface), the infrared signal is reflected back and received by the receiving tube. After processing, it is returned to the microcontroller through the digital sensor interface. The microcontroller can use the return signal to identify changes in the surrounding environment.

## 2. Sensor parameters



GND: connect <u>gnd</u>	VCC: Power supply interface, can be connected to 3.3V, 5V
OUT: Digital signal output	NC: no need connect
Working voltage : 3.3V/5V	Size: 29.4mm*28.8mm