

## High Sensitivity Mini 10x8mm Digital Intelligent PIR Motion Sensor Detector Module SB312 For Breadboard

**ModelNo.:SB312A-01-001F**

### General

**SB312A-01-001F** is the latest digital sensor module which developed for human body detection. A digital PIR sensor combined with a fresnel lens is mounted on a compact size PCB, and resistance.IC is not needed any more. Digital output improve the performance.

### Features and Electrical Specification

Compact size: 8\*10 mm

Supply current: DC2.7V-12V

Current drain :< 20uA

Voltage Output: High/Low level signal, 3V

High sensitivity

Delay time: 2S

Blockade time:2S

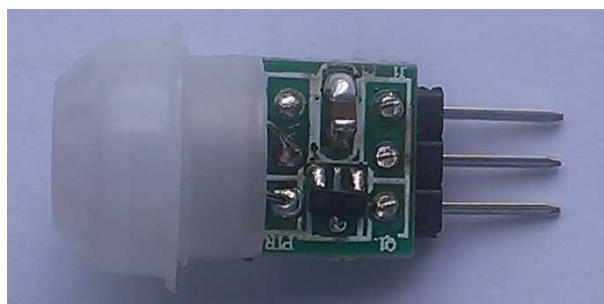
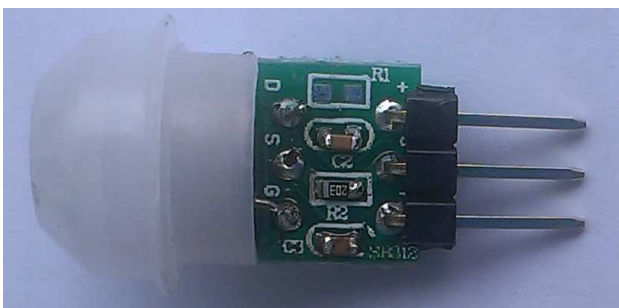
Operation Temperature: -20-55°C

Infrared sensor: dual element, low noise, high sensitivity

Detecting length: 2-5m

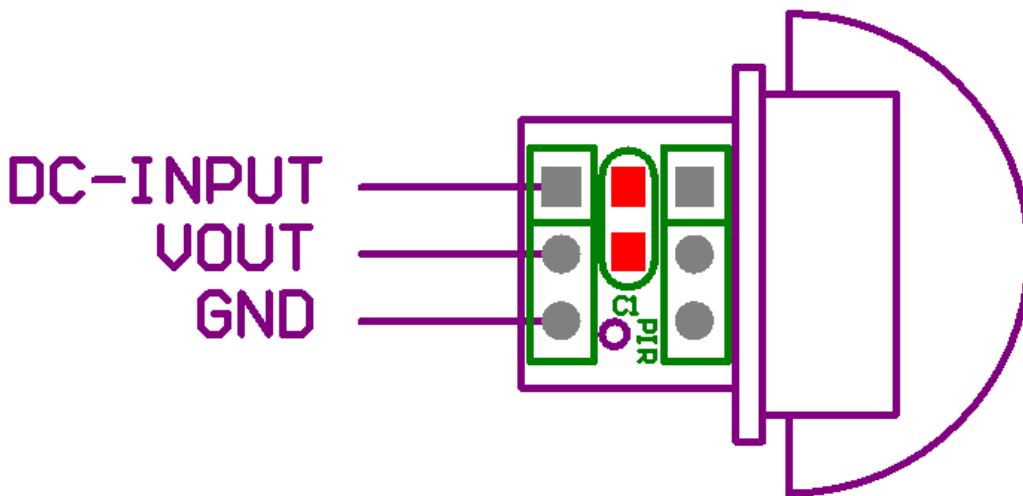
Detecting Angle: 100degree

### Module Pictures



# Aolittel Technology Co.,Ltd.

## Module Information:



## Note:

1. DC-INPUT: supply voltage (DC 2.7V-12V)
2. Vout: pin for signal output. With output, high level signal (3V); no output, low level signal (0V)

## Note

Due to the high sensitivity of PIR sensor device, it is not recommended to use the module in the following or similar condition.

- A) in rapid environmental changes
- B) in strong shock or vibration
- C) in a place where there are obstructing material (eg. glass) through which IR cannot pass within detection area.
- D) exposed to direct sun light
- E) exposed to direct wind from a heater or air condition