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IR Infrared Sensor Switch

IR Infrared Sensor Switch Module



1. sensing object without induction output 1, then can be directly connected to the microcontroller IO port 3 v and 5 v.
2. The induction distance 2 to 40 cm, distance, good anti-interference ability. (note: the infrared sensor is not all objects can be the same, the distance of the objects of different colors on the reflectivity of different light, the deeper the closer it gets to the black by the color of the object detection distance is shorter, the sensor 2 to 40 mm Rice is measured against the white wall)
3. The speed is quick, is suitable for smart car obstacle avoidance, black and white line tracking, prevent fall, counter products, line cutting, liquid level detection, etc.
4. With the sensor made of black and white line tracing cars don't need to run in the black line on the white paper, but in the concrete, yellow complex environments such as the black thread round mark. As long as the color of the black line around than black slightly shallow, eliminates the traditional way, make environment layout more simple.
5. This sensor 3 to 6 v power supply, super wide range, suitable for 3 v and 5 v of the SCM system.
6. Can make side, EN end is equal to "1" when the sensor does not work, work is equal to "0". Dance cap on EN end after long-term grounding on sensor (EN "0") for a long time. Please jump when to use EN end cap off.
7. Frequency adjust potentiometer is used to adjust the carrier frequency of the infrared transmitting tube, because the integration of received head is in a particular 38 KHZ carrier frequency is the most sensitive. Dispatch 502 resistor clockwise to do, and the brightness of the tube is transferred to the largest), and then on the white wall 103 resistance, has been transferred to the induction distance is the farthest so far, this sensor has been working in the best state

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