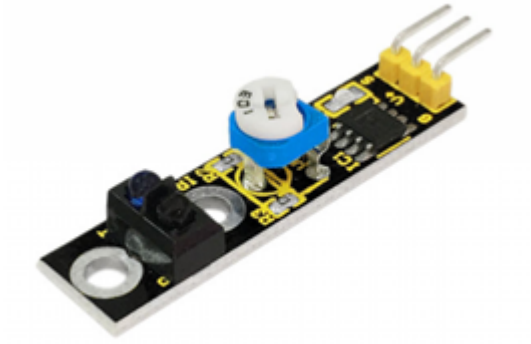
Ks0050 keyestudio Line Tracking Sensor

Contents

Introduction

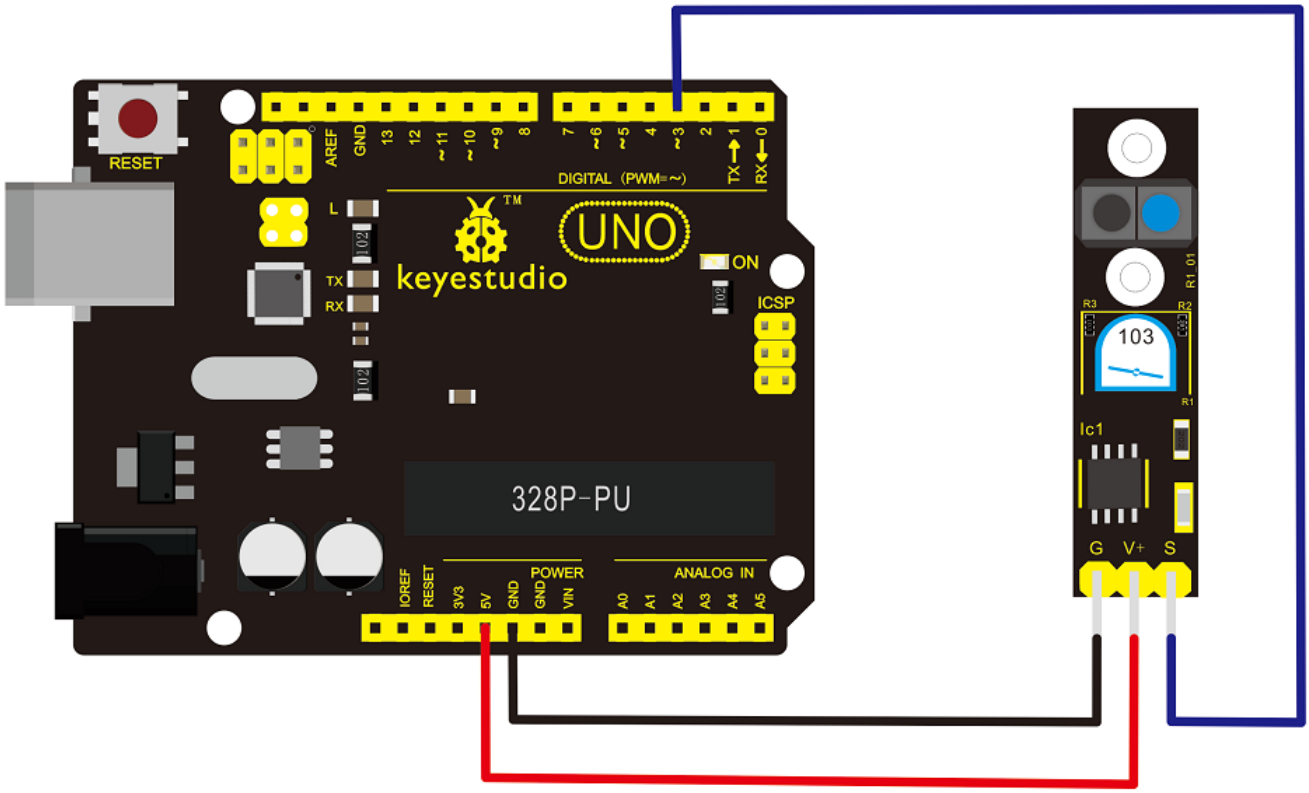
This Line Tracking Sensor can detect white lines in black and black lines in white. The single line-tracking signal provides a stable output signal TTL for a more accurate and more stable line.
Multi-channel option can be easily achieved by installing required line-tracking robot sensors.



Specification

- Power supply: +5V
- Operating current: <10mA
- Operating temperature range: 0°C ~ + 50°C
- Output interface: 3-PIN (1 - signal ; 2 - power ; 3 - power supply negative)
- Output Level: TTL level

Connection Diagram

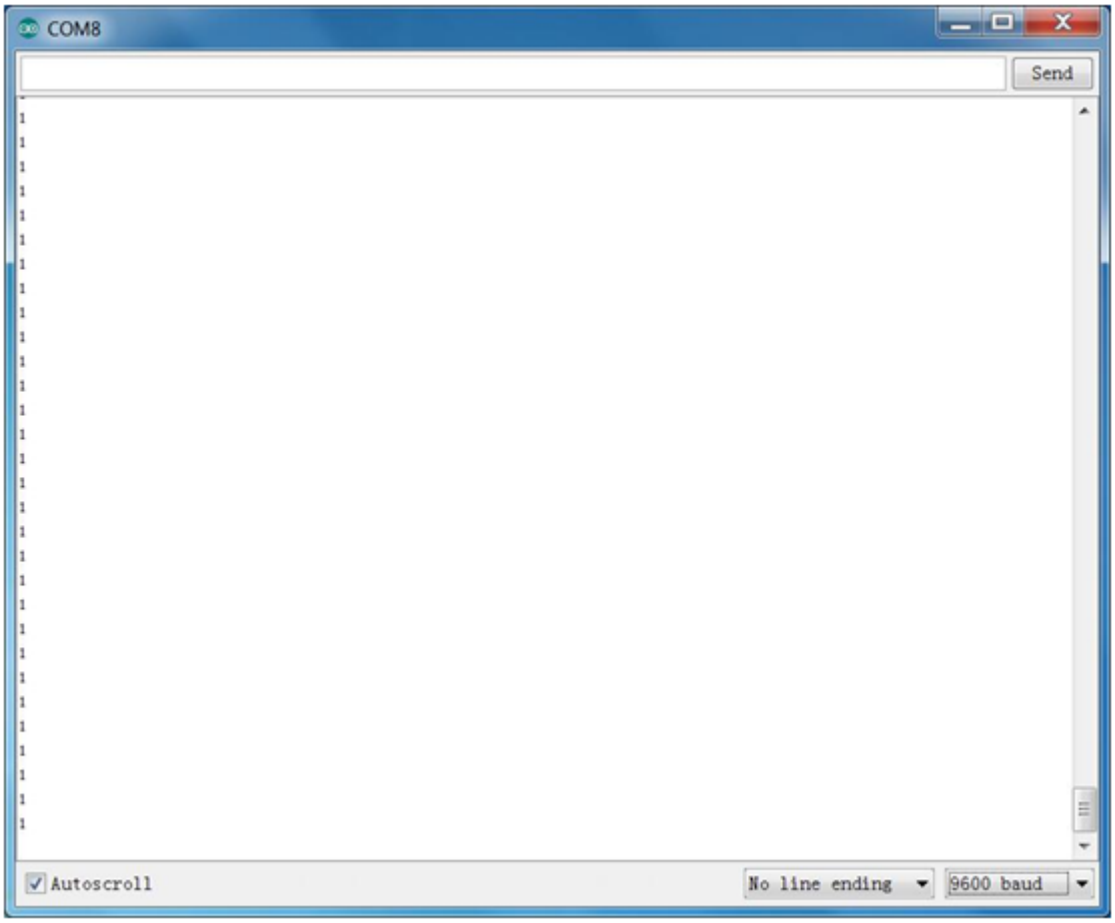


Sample Code

```
///Arduino Sample Code
void setup()
{
  Serial.begin(9600);
}
void loop()
{
  Serial.println(digitalRead(3)); // print the data from the sensor
  delay(500);
}
```

Example Result

Done uploading the code to board, open the serial monitor and set the baud rate as 9600, then you can see the data from the sensor. Shown below.



Resources

- **Video**

http://video.keyestudio.com/ks0050/

- **PDF and Code**

https://fs.keyestudio.com/KS0050

Buy from

- **Official Website** (https://www.keyestudio.com/free-shipping-keyestudio-line-tracking-sensor-module-white-black-line-detector-for-arduino-uno-r3-mega-2560-r3-p0152.html)
- **Aliexpress store** (https://www.aliexpress.com/store/product/Free-shipping-KEYES-Tracing-sensor-module-for-arduino/1452162_2051347178.html?spm=2114.12010612.8148356.21.52862462ZM2AO8)