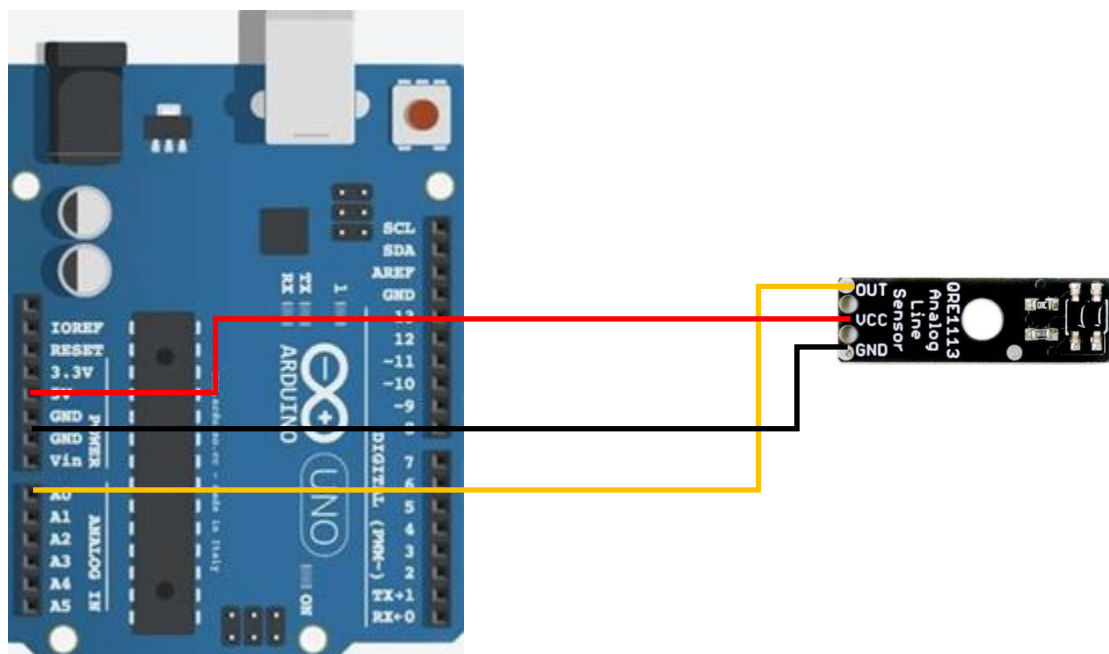# SmartElex Line Follower Sensor- QRE1113GR

The Line Follower sensor is an add-on board that gives your robot the ability to detect lines or nearby objects. The sensor works by detecting reflected light coming from its own infrared LED. By measuring the amount of reflected infrared light, it can detect transitions from light to dark (lines) or even objects directly in front of it. The sensor has a 3-pin header & a mounting hole lets you easily connect one or more of these to the front or back of your robot chassis.

Wiring:

Arduino	QRE1113GR
A0	OUT
5V	VCC
GND	GND

Example Code:

```
int sensor = A0;  //Pin connected to IR sensor(OUT)

void setup() {
  Serial.begin(9600);
}

void loop() {
  Serial.print("IR Sensor Readings: ");
  Serial.print(analogRead(sensor));  //Print sensor Value on Serial Monitor
  Serial.print("\t");
  Serial.print("\n");
  delay(100);
}
```