

### IR Line Tracker (SEN-KY033LT)

- **Voltage:** 3V – 5V
- **Current:**
  - ~7 mA @ 3V
  - ~13 mA @ 5V
- **Detection Distance:** 1 mm – 25 mm
- **Operating Temperature:** 0°C to 50°C
- **Dimensions:** 42 x 11 x 8 mm
- **Function:** Detects line reflectivity and gives a digital output (0/1) based on surface reflection
- **Sensitivity:** Adjustable via onboard potentiometer
- **Typical Use:** Line following

#### IR Sensor Pin Assignments:

IR Sensor	VCC	GND	OUT	Arduino Pin
Left	5V	GND	OUT	D7
Right	5V	GND	OUT	D8