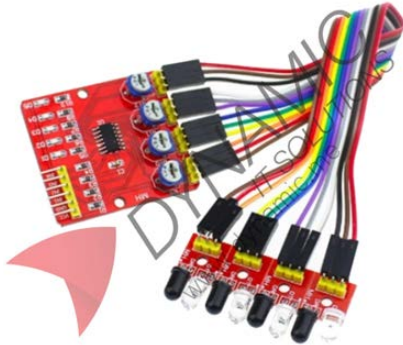


4 Channel Infrared Tracking Module



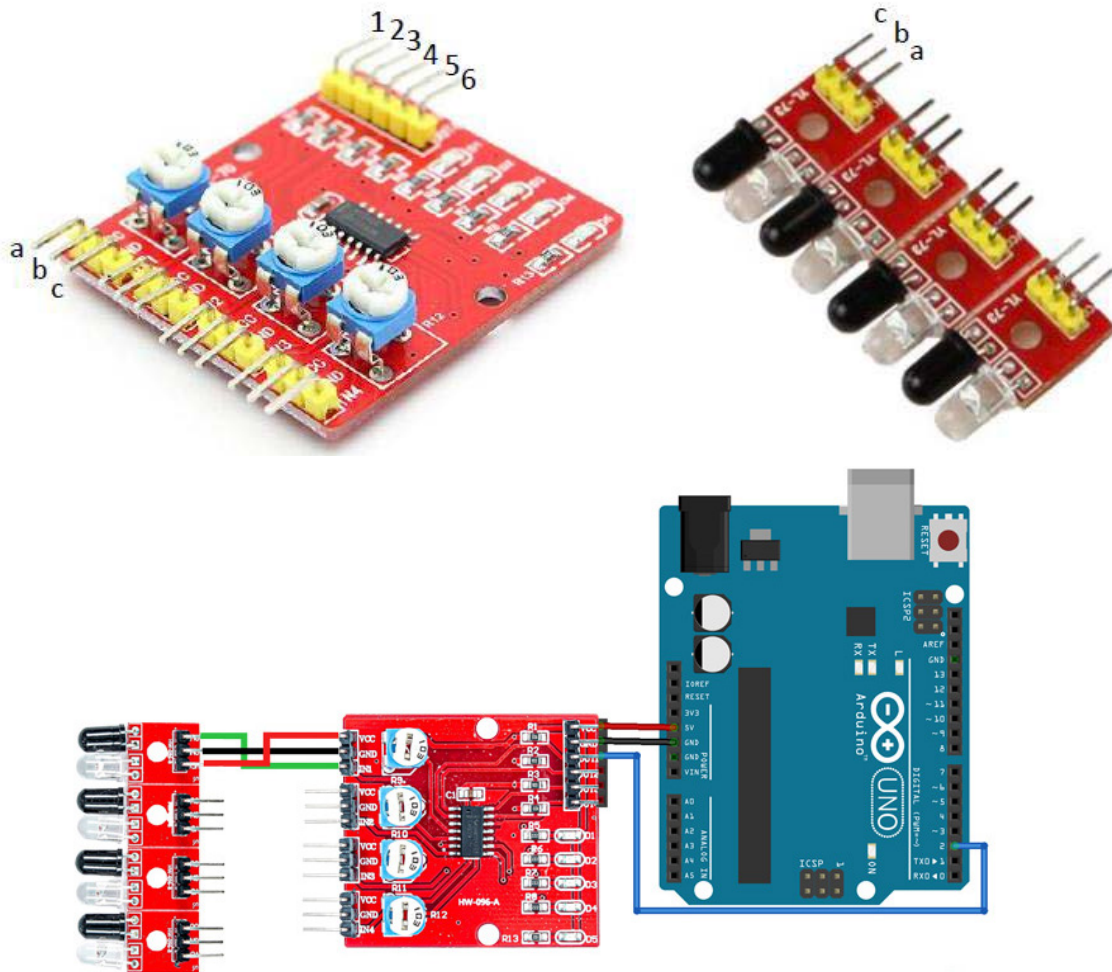
Features:

The 4 Channel Infrared Tracking Module is designed for robotics and automation applications where accurate line or edge detection is required. Each of the four infrared transceiver pairs detects reflected light intensity, providing TTL output signals for microcontrollers or logic-level interfaces. The module supports adjustable sensitivity per channel via potentiometers and operates reliably between 3.3V and 5V DC. Ideal for smart car line-following, path recognition, and proximity detection systems.

Specifications	
Working Voltage	DC 3.3V–5V
Working Current	≥1A recommended
Detection Range	1mm–60cm adjustable
Output Type	TTL digital signal
Output Channels	4 (OUT1–OUT4)
Mounting Aperture	M3 screws
Operating Temperature	-10°C to +50°C
Dimensions (Main)	42mm × 38mm × 12mm
Dimensions (Sensor)	25mm × 12mm × 12mm
Usage	Smart car line-following, obstacle detection, automation

Pinouts:

Pin Name	Type	Description
1- VCC	Power	3.3V~5V DC
2-GND	Ground	ground
3- OUT1	Output	high/low output
4- OUT2	Output	high/low output
5- OUT3	Output	high/low output
6- OUT4	Output	high/low output
a-VCC	Power	VCC-VCC
b-GND	Ground	GND-GND
c-IN	Output	IN-OUT



Product Pictures:

