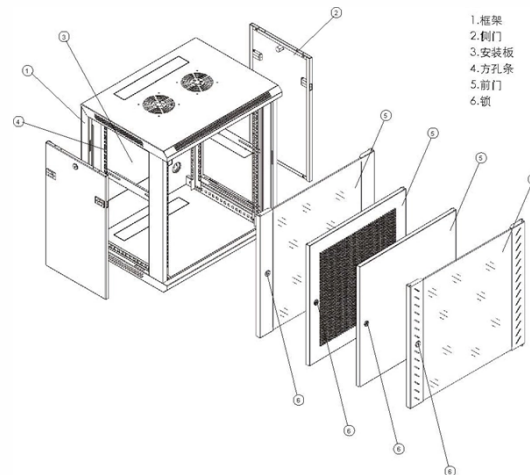


# Principle of the Tracking Module



## Overview

The line tracking module in this kit has adopted an infrared sensor. The transmitter emits infrared light, while the receiver collects the infrared light reflected by the ground. How does a line tracker work?

Simply saying, the principle of line tracking modules is based on the different reflectivities of the ground. Welcome to the World of Sensors and Modules with Arduino! The Line Tracking Sensor Module gives our robotics projects the ability to track and follow lines or paths accurately. If you draw a line and place the robot so that the sensor is directly above the line, the robot can follow the path of the. Tracker Sensor has five analog outputs, and the outputted data are affected by the distance and the color of the detected object. Our Goal Make motor:bit smart car track lines.



## Article Content

Line Tracking Car Programming Guide | PDF | Infrared | Vacuum

The line tracking principle is also explained, where the modules use infrared light to detect black vs white surfaces and send signals

Tracking Loops

For that purpose, tracking loops are used in a closed loop to follow continuously the code and carrier parameters of the incoming

4-channel Tracking Module

The basic principle of the infrared tracking sensor is to take advantage of the reflective nature of the object. In this experiment, we

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How do the infrared transmitter and receiver tubes work together in a line tracking module? The infrared transmitter, an LED, emits

GPS tracking unit

A modern GPS tracking unit integrates several key electronic components to determine and transmit its location and other data. The

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The document discusses how to build a line tracking car using an Arduino, line tracking modules, and a smart car chassis. It

Principle of Line-Tracking Module on Cars – Easyelecmodule

The Line-Tracking Module is an electronic component that identifies black lines. Its main principle is based on the fact

Tracker Sensor

Compared to any other module only with logical (HIGH/LOW) output, we can get more precise results from the analog output of this

Towards an Advanced Self-Monitoring Tracking Module ...

Towards an Advanced Self-Monitoring Tracking Module: Leveraging Statistical Hypothesis Tests and Subjective Logic Reasoning

Line Tracking Module interfacing with pic microcontroller

Every line tracking module consists of three pins such as VCC, GND and signal pin. For power on this line tracking module, positive

6. case 03 Line Tracking — ELECFREAKS WIKI

When contacting with black ground or other infrared light absorbing materials, the receiver can't receive the infrared light, then the

## Contact Us

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