

# SEN0305/SEN0305-S Gravity: HUSKYLENS Sensors

## Product Overview

07/07/2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

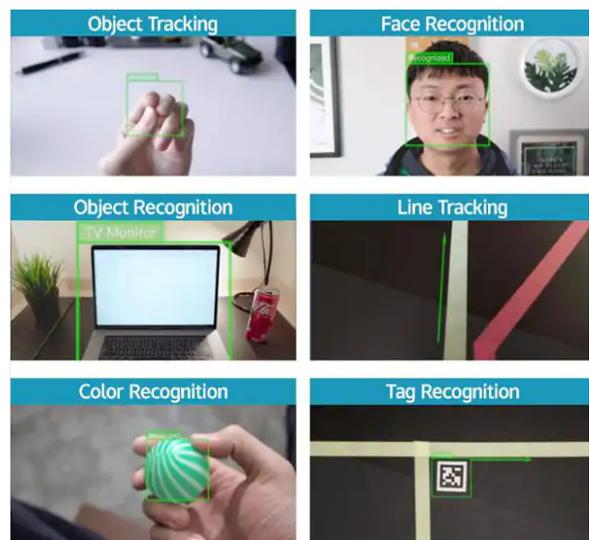
## Description

The SEN0305 and SEN0305-S Gravity: HUSKYLENS Sensors from DFRobot are AI vision sensors that are easy to use and can learn to detect objects, faces, lines, colors, and tags. These sensors feature built-in algorithms to learn new things through a single click. The HuskyLens provides interactive gesture control, autonomous robots, smart access, and interactive toy. These AI vision sensors provide specific hand gestures and recognize learned hand movement patterns and feed their position. The HuskyLens sensors provide a new way of line following and by simply clicking buttons, new lines can be followed. These vision sensors automatically determine the proper direction by combining line-following and tag recognition. The SEN0305-S comes with a Silicone case.



## Features

- Object tracking
- Face recognition
- Object recognition
- Line tracking
- Color recognition
- Tag recognition
- Interactive gesture control



## Specifications

- Kendryte K210 processor
- OV2640 (2.0 Megapixel Camera) image sensor
- 3.3V to 5.0V supply voltage range
- 320mA at 3.3V and 230mA at 5.0V current consumption
- Connection interface:
  - UART: 9600bps - 115200bps
  - I<sup>2</sup>C: 100K - 400K
- 2.0-inch IPS screen display with 320 x 240 resolution
- 52mm x 44.5mm dimensions

## Kit Contents

- 1 x HuskyLens mainboard
- 6 x M3 screws and nuts
- 1 x Mounting bracket
- 1 x Gravity 4-pin sensor cable
- Silicone Case (SEN0305-S)



## Mouser Part Numbers

[View All Parts](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-sen0305-huskylens-ai-sensor/>