

# MIPI camera usage

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## MIPI camera usage

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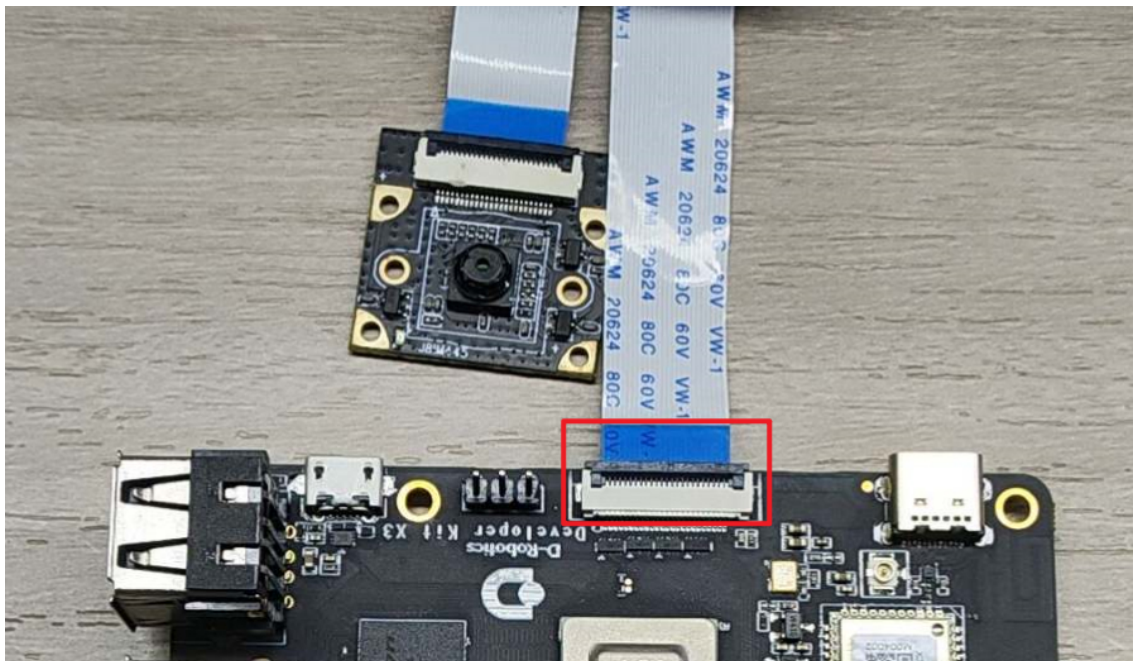
The `mipi_camera.py` program is installed on the development board to test the data path of the MIPI camera.

This example will collect image data from the MIPI camera in real time, then run the target detection algorithm, and finally fuse the image data and the detection results and output them through the HDMI interface.

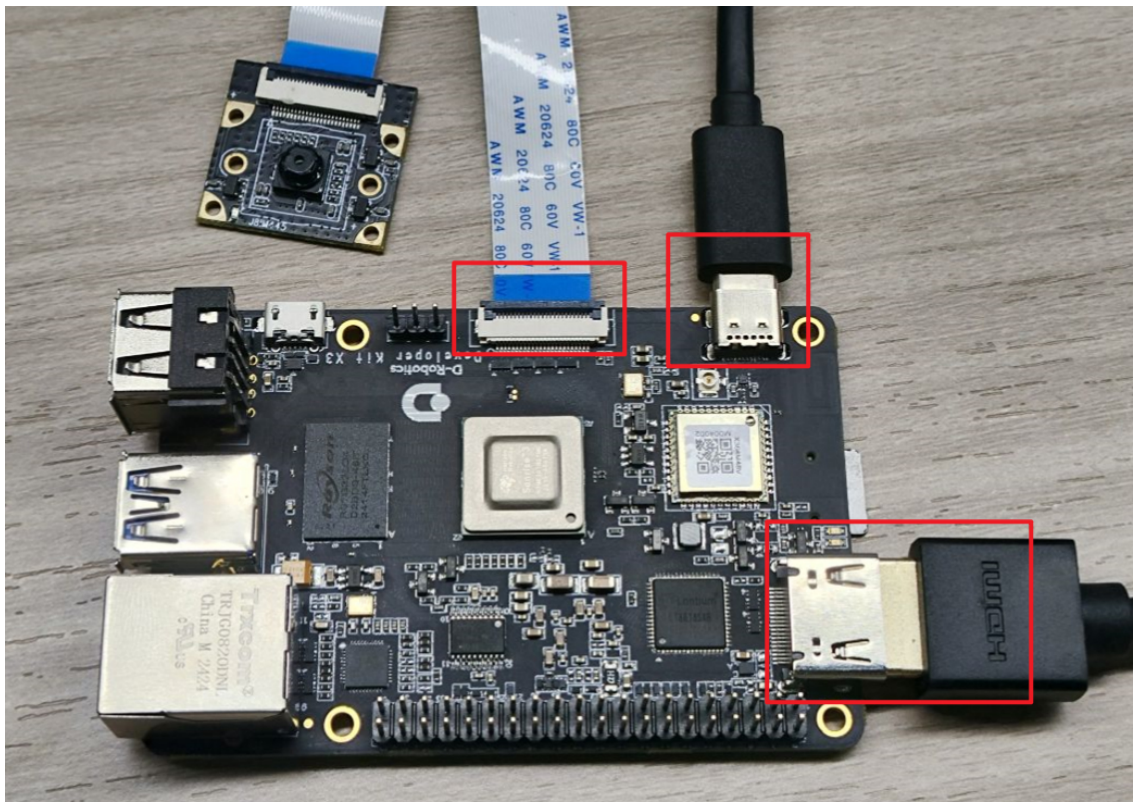
## 1.Preparation

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- Connect the power supply
- Connect the MIPI camera module to the MIPI CSI interface of the development board, with the blue side facing up



- Connect the development board and the monitor via HDMI cable



## 2. Running method

Run program

```
sunrise@ubuntu:~$ cd /app/pydev_demo/03_mipi_camera_sample/  
sunrise@ubuntu:/app/pydev_demo/03_mipi_camera_sample$ sudo python3  
./mipi_camera.py
```

## 3. Result

After the program is executed, the monitor will display the camera image and the results of the target detection algorithm (target type, confidence level) in real time, as shown below.

