

# Resolution Test of B0270

## 1. Setup

B0270 is a native imx477 camera, there are two ways to access the camera.

run the command:

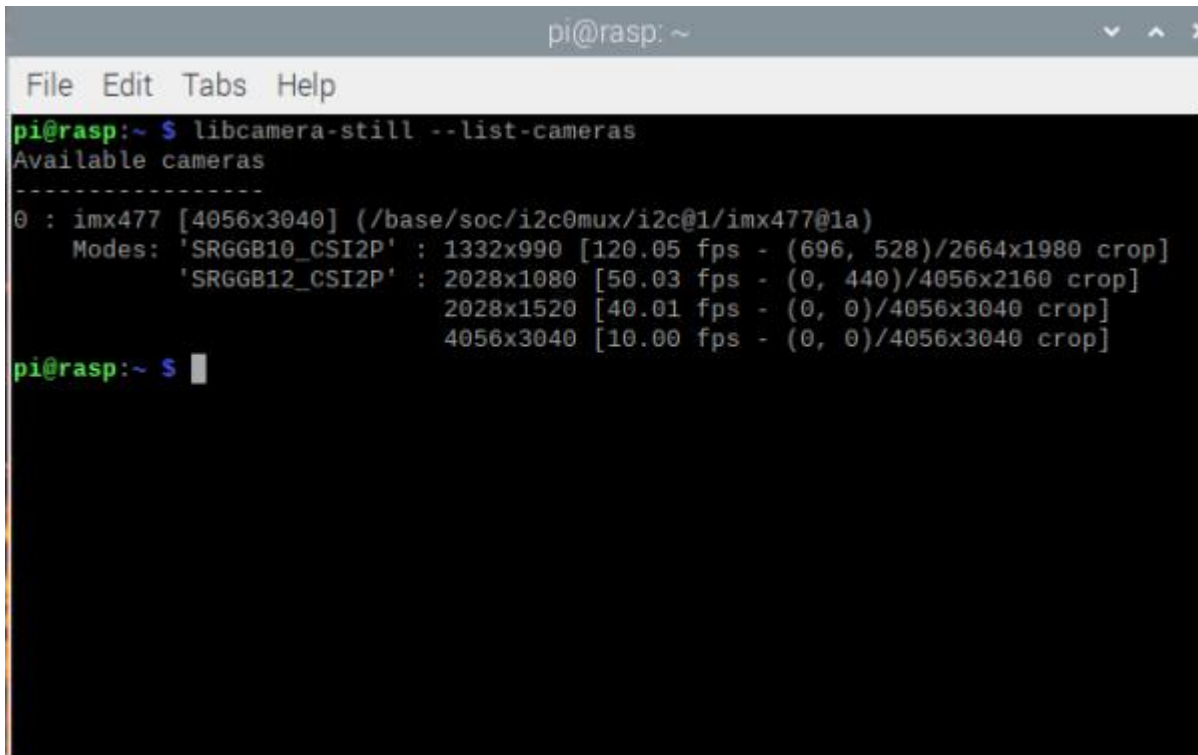
```
sudo nano /boot/config.txt
```

1. close the camera\_auto\_detect(add **camera\_auto\_detect=0**), and add **dtoverlay=imx477** under [all] in the config file.
2. open the camera\_auto\_detect, add **camera\_auto\_detect=1** in the config file.

## 2. Test

The default resolution does not contain 4k resolution, so we need to set this res manually.

**Default resolution:**

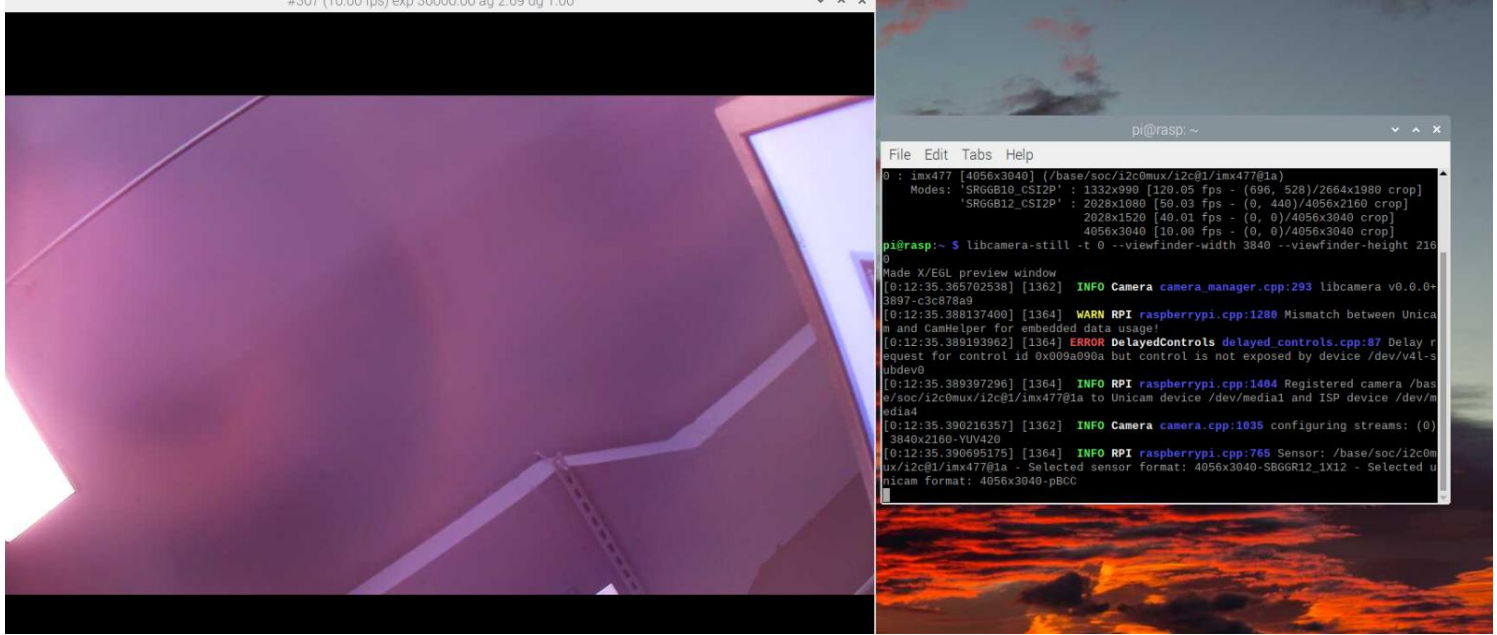


```
pi@rasp: ~  
File Edit Tabs Help  
pi@rasp:~ $ libcamera-still --list-cameras  
Available cameras  
-----  
0 : imx477 [4056x3040] (/base/soc/i2c0mux/i2c@1/imx477@1a)  
  Modes: 'SRGGB10_CSI2P' : 1332x990 [120.05 fps - (696, 528)/2664x1980 crop]  
         'SRGGB12_CSI2P' : 2028x1080 [50.03 fps - (0, 440)/4056x2160 crop]  
         2028x1520 [40.01 fps - (0, 0)/4056x3040 crop]  
         4056x3040 [10.00 fps - (0, 0)/4056x3040 crop]  
pi@rasp:~ $
```

### 2.1 Prview

You can run the command below to prview in 4k.

```
libcamera-still -t 0 --viewfinder-width 3840 --viewfinder-height 2160
```



## 2.2 Capture an image

You can run the command below to save a 4k image.

```
libcamera-still -t 5000 -o 4k.jpg --width 3840 --height 2160
```

