

libcamera - switch back to the official camera

1. Manual editing /boot/config.txt

a. For users of the bullseye system

After installing Arducam's Pivariety or IMX519 driver, you can edit /boot/config.txt, delete or comment out dtoverlay=arducam or dtoverlay=imx519 (if both exist, please delete or comment out then all), when you need to switch Pivariety Or when IMX519, you only need to add the deleted line back. (Add dtoverlay=imx519 when switching to IMX519, and add dtoverlay=arducam when switching to Pivariety)

```
# Automatically load overlays for detected cameras
camera_auto_detect=1

# Automatically load overlays for detected DSI displays
display_auto_detect=1

# Enable DRM VC4 V3D driver
dtoverlay=vc4-kms-v3d
max_framebuffers=2

# Disable compensation for displays with overscan
disable_overscan=1

[cm4]
# Enable host mode on the 2711 built-in XHCI USB controller.
# This line should be removed if the legacy DWC2 controller is required
# (e.g. for USB device mode) or if USB support is not required.
otg_mode=1

[all]

[pi4]
# Run as fast as firmware / board allows
arm_boost=1

[all]
enable_uart=1
# dtoverlay=arducam
# dtoverlay=imx519
```

Note: After modifying /boot/config.txt, you need to reboot the Raspberry Pi

b. For users of buster systems

Like bullseye users, you need to delete or comment the corresponding information, and you need to reboot the Raspberry Pi after the modification is completed.

There is one difference between buster users and bullseye users. Buster users use the legacy

camera stack **--raspistill** by default. If you want to use libcamera to access the official cameras (ov5647, imx219, imx477), you need to add corresponding information in /boot/config.txt .

For details, please refer to the official documentation:

<https://www.raspberrypi.com/documentation/accessories/camera.html#if-you-do-need-to-alter-the-configuration>

2. Use Script

Execute the following command to switch back to the official camera(for buster is raspstill):

```
1 arducam_camera_selector.sh --clear
```

Execute the following command to switch to imx519:

```
1 arducam_camera_selector.sh --add imx519
```