

CSI camera preview

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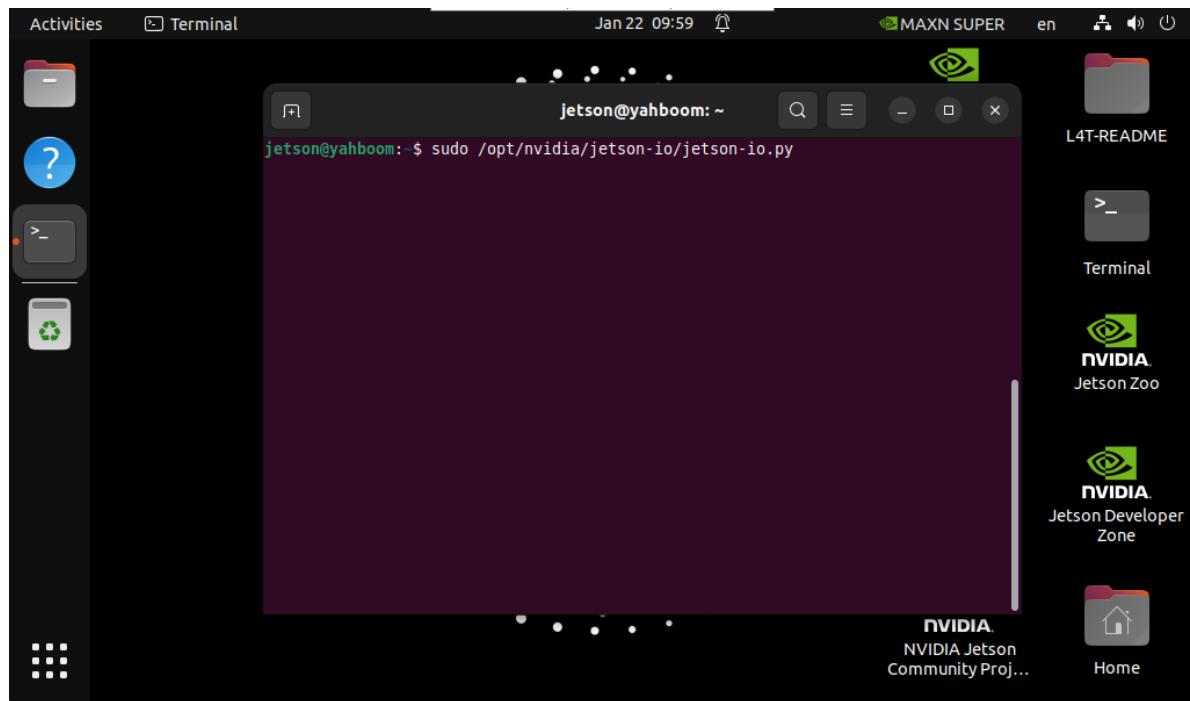
1. Enable CSI camera

If the user has installed the CSI camera but does not have the `/dev/video*` device, you can enable the CSI camera pins as follows.

1.1. Configure pins

Enter the following command in the terminal:

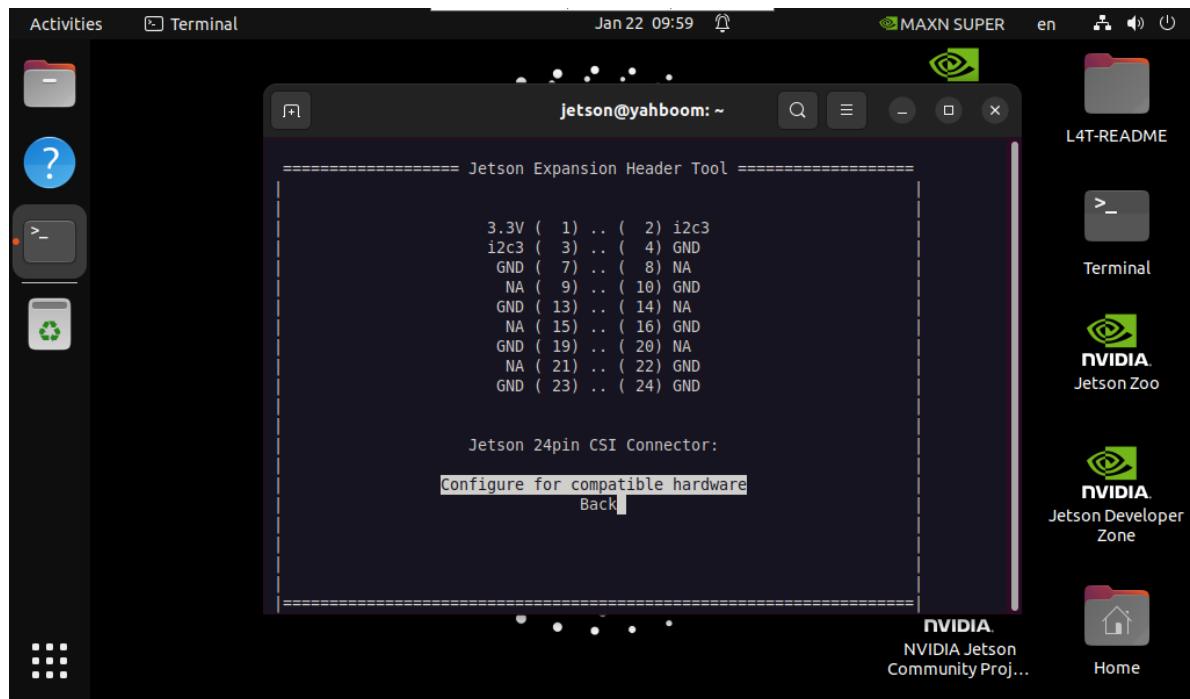
```
sudo /opt/nvidia/jetson-io/jetson-io.py
```



Press the arrow keys to select `Configure Jetson 24pin CSI Connector`, then press `Enter` to enter the configuration:



Select `Configure for compatible hardware`, then press `Enter` to enter the configuration:



Select `Camera IMX219 Dual`, then press `Enter` to enter the configuration:



Select `Save pin changes`, then press `Enter` to enter the configuration:



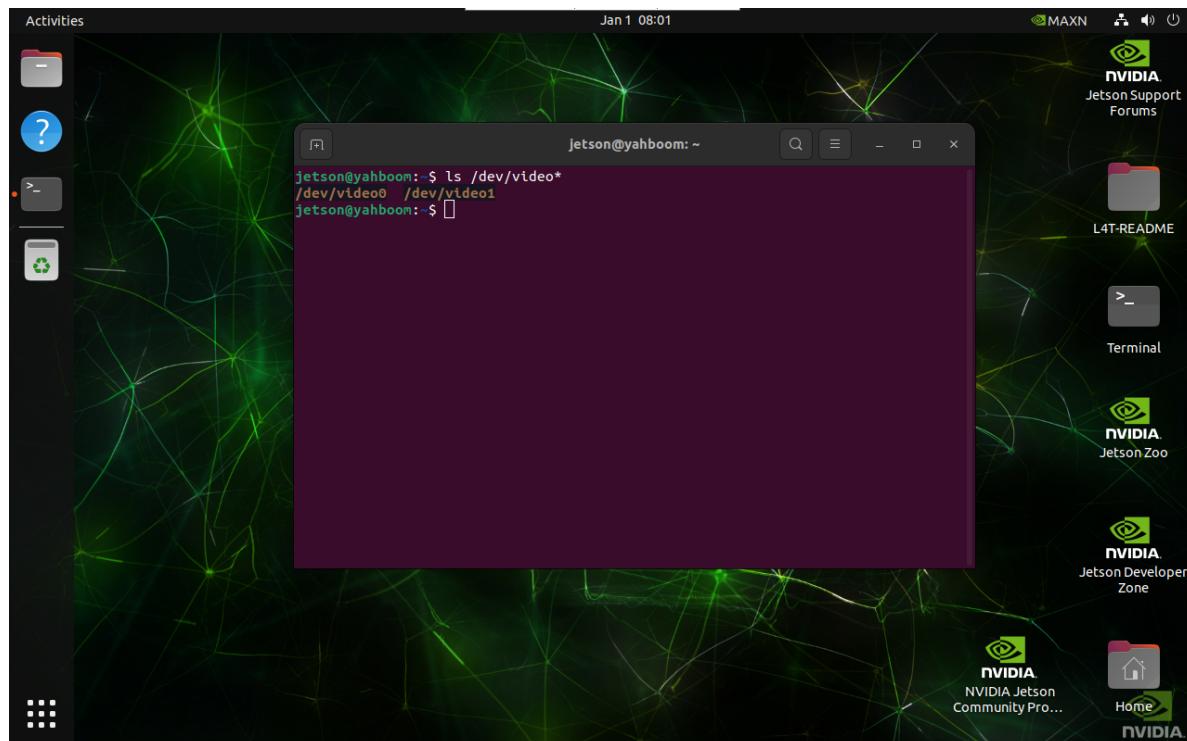
Select `Save and reboot to reconfigure pins`, and then wait for the system to restart:



2. Check the video device

```
ls /dev/video*
```

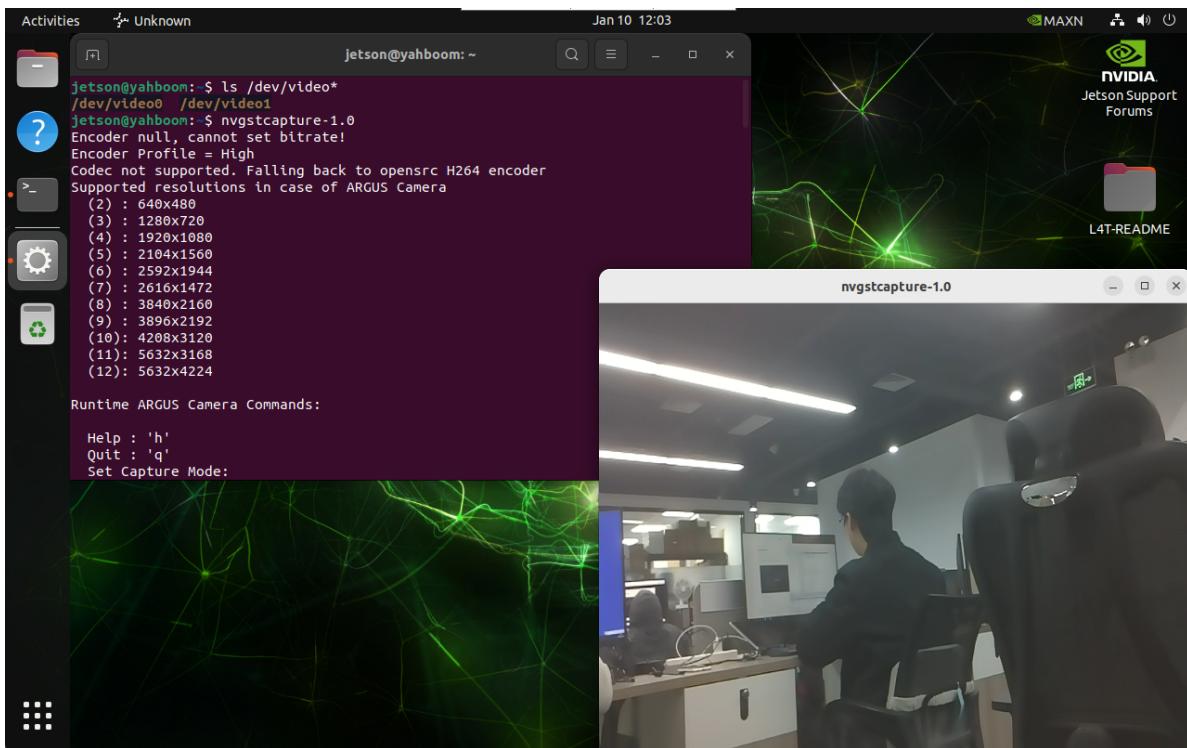
The result of the picture is the result of connecting two CSI cameras: generally one CSI camera displays one `video` device



3. Preview the camera screen

Enter the following command in the terminal, and the system will automatically pop up the camera screen window: Open the `/dev/video0` device by default

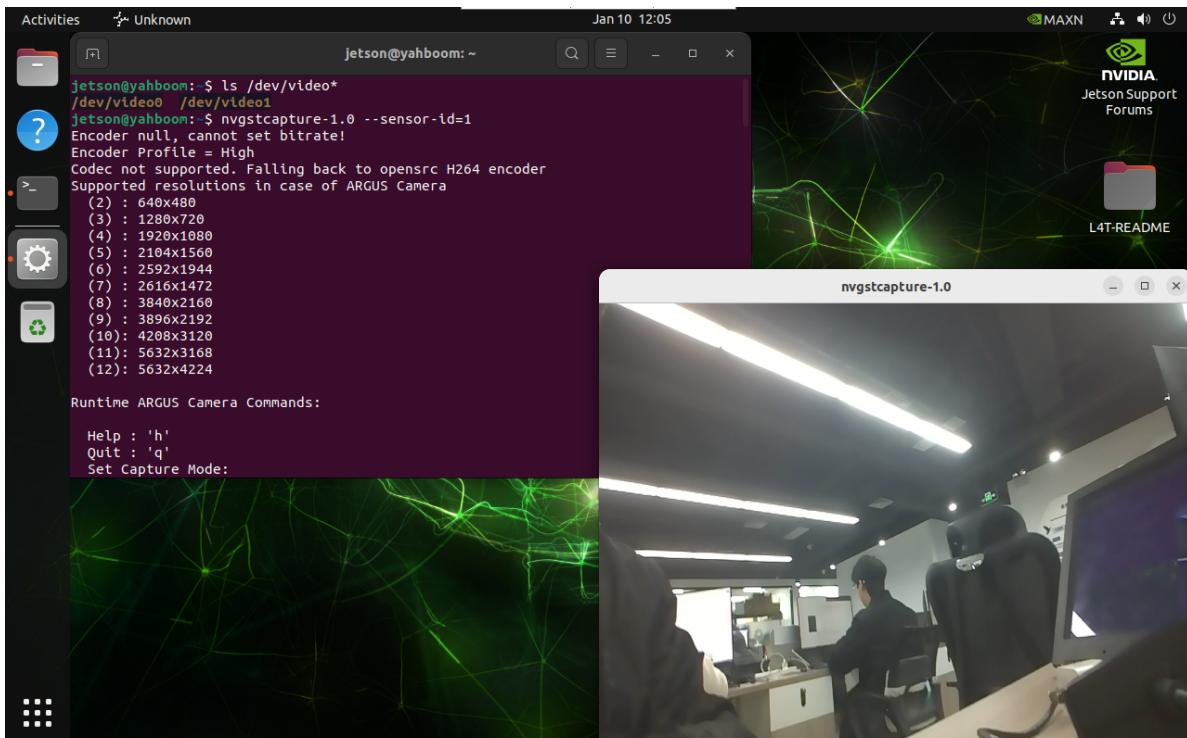
```
nvgstcapture-1.0
```



3.1. Specify the camera

If there are multiple cameras, you can specify the camera ID:

```
nvgstcapture-1.0 --sensor-id=1
```



3.2. Specify preview resolution

If there is only one CSI camera, change `--sensor-id=1` to `--sensor-id=0`:

```
nvgstcapture-1.0 --sensor-id=0 --cus-prev-res=1280x720
```

