

Preview CSI camera image

1. Implementation principle

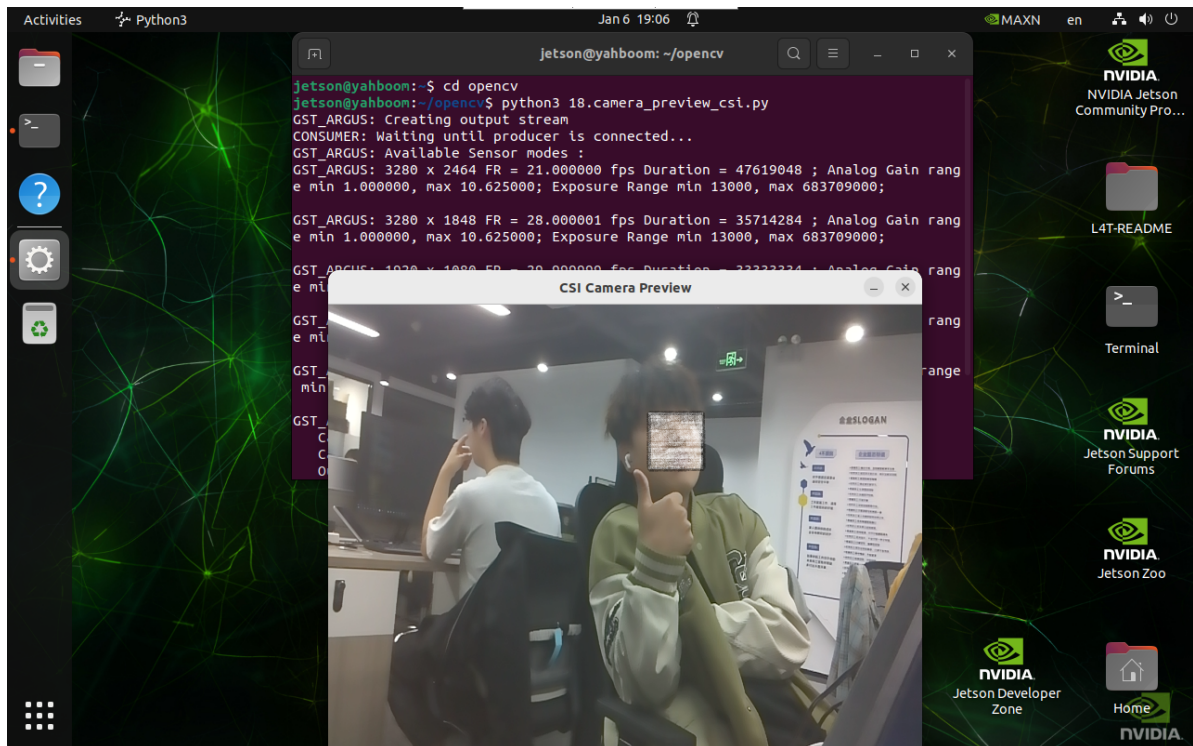
Use the `CSICamera()` function to capture the image from the CSI camera.

2. Implementation effect

```
cd ~/opencv
```

```
python3 18.camera_preview_csi.py # The program opens video0 by default, open  
other cameras and modify the device number by yourself
```

Note: Select the camera image and press `q` to exit the program!



3. Implementation code

```
import cv2
from jetcam.csi_camera import CSICamera

def preview_usb_camera():
    cap = CSICamera(capture_device=0, width=640, height=480)
    while True:
        frame = cap.read()
        if frame is not None:
            cv2.imshow('CSI Camera Preview', cv2.resize(frame, (640, 480)))
            if cv2.waitKey(1) & 0xFF == ord('q'):
                break
        else:
            print("Error: Could not open CSI camera.")
```

```
break
```

```
cap.release()
```

```
cv2.destroyAllWindows()
```

```
preview_usb_camera()
```