3D object recognition

MediaPipe is a cross-platform machine learning framework that can process key point detection such as hands, faces, and postures in videos and images in real time.

1. 3D object recognition

MediaPipe 3D object recognition can recognize four types of objects: shoes, chairs, cameras, and cups.
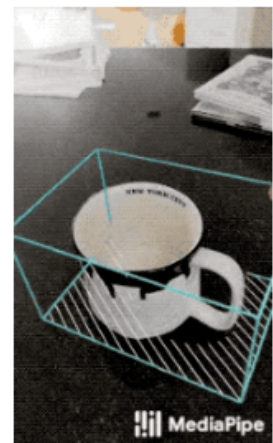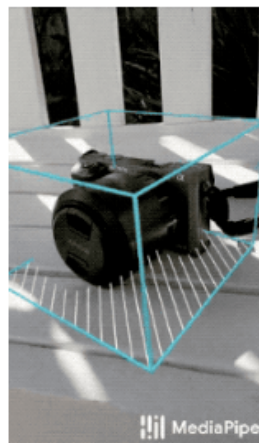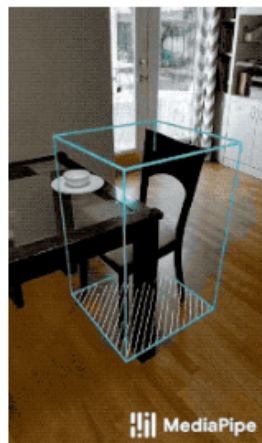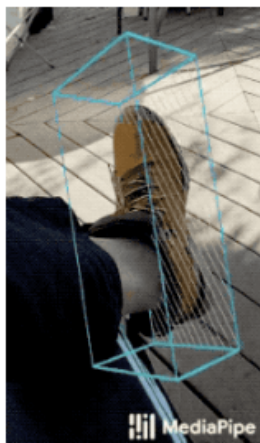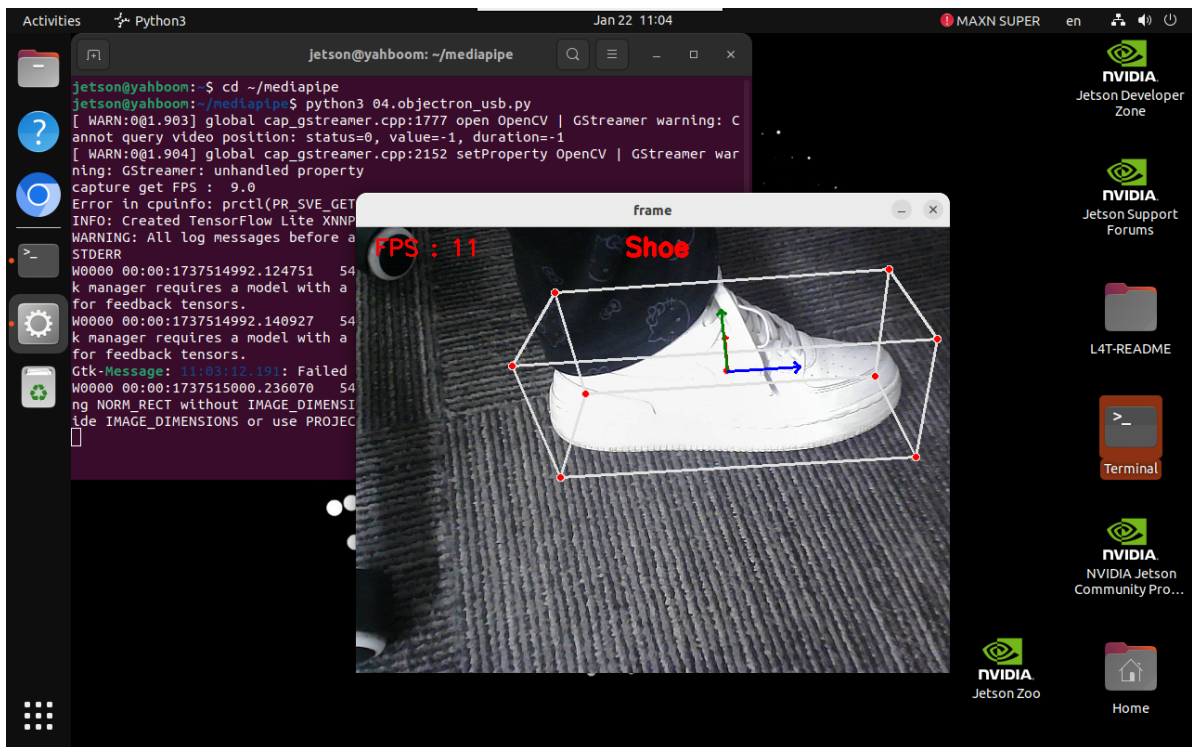

2. Effect preview

Click the preview screen and press `f` to switch the recognized 3D object model.

2.1. USB camera

```
cd ~/mediapipe
```

```
python3 04.objectron_usb.py
```

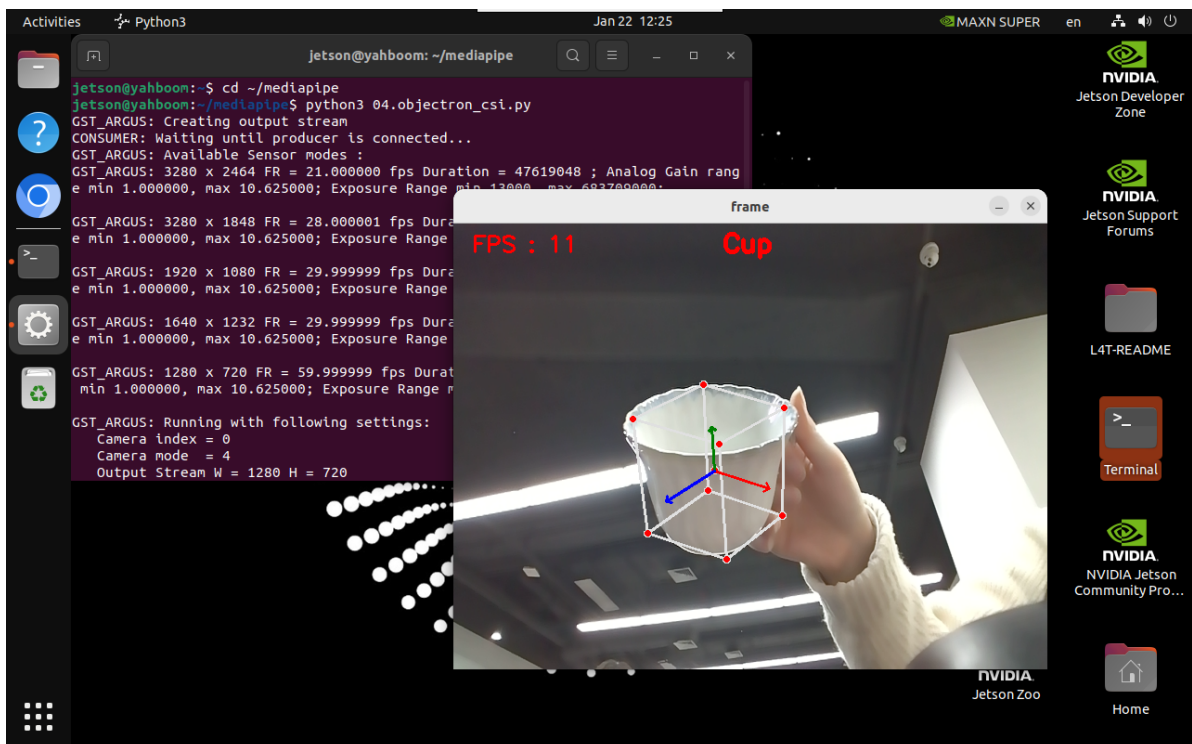Note: Select the camera screen and press `q` to exit the program!

2.2, CSI camera

```
cd ~/mediapipe
```

```
python3 04.objectron_csi.py
```

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

FAQ

Permission denied

PermissionError: [Errno 13] Permission denied: '/usr/local/lib/python3.10/dist-packages/mediapipe/modules/objectron/**.tflite'

Solution: Use the sudo command to run the python file and let the program automatically download the required model first