

# Gesture recognition

## Gesture recognition

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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. Gesture recognition

MediaPipe Gesture recognition can detect and classify gestures: it can recognize Zero, One, Two, Three, Four, Five, Six, Seven, Eight, Ok, Rock, Thumb\_up (thumbs up), Thumb\_down (thumbs down), Heart\_single (single-hand heart) gestures.

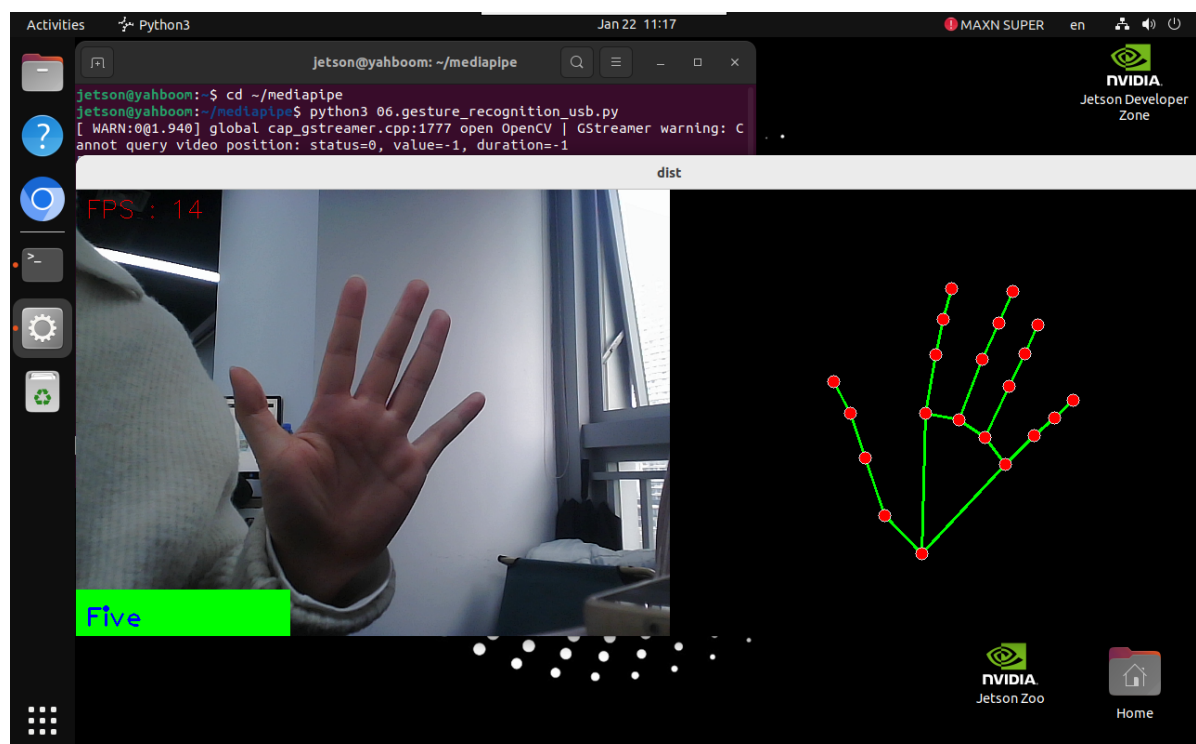
## 2. Effect preview

### 2.1. USB camera

```
cd ~/mediapipe
```

```
python3 06.gesture_recognition_usb.py
```

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



## 2.2, CSI camera

```
cd ~/mediapipe
```

```
python3 06.gesture_recognition_csi.py
```

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

