Hand detection

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. Hand detection

MediaPipe hand detection can identify and track 21 key points of the hand.

0. WRIST	11. MIDDLE_FINGER_DIP
1. THUMB_CMC	12. MIDDLE_FINGER_TIP
2. THUMB_MCP	13. RING_FINGER_MCP
3. THUMB_IP	14. RING_FINGER_PIP
4. THUMB_TIP	15. RING_FINGER_DIP
5. INDEX_FINGER_MCP	16. RING_FINGER_TIP
6. INDEX_FINGER_PIP	17. PINKY_MCP
7. INDEX_FINGER_DIP	18. PINKY_PIP
8. INDEX_FINGER_TIP	19. PINKY_DIP
9. MIDDLE_FINGER_MCP	20. PINKY_TIP
10. MIDDLE_FINGER_PIP	
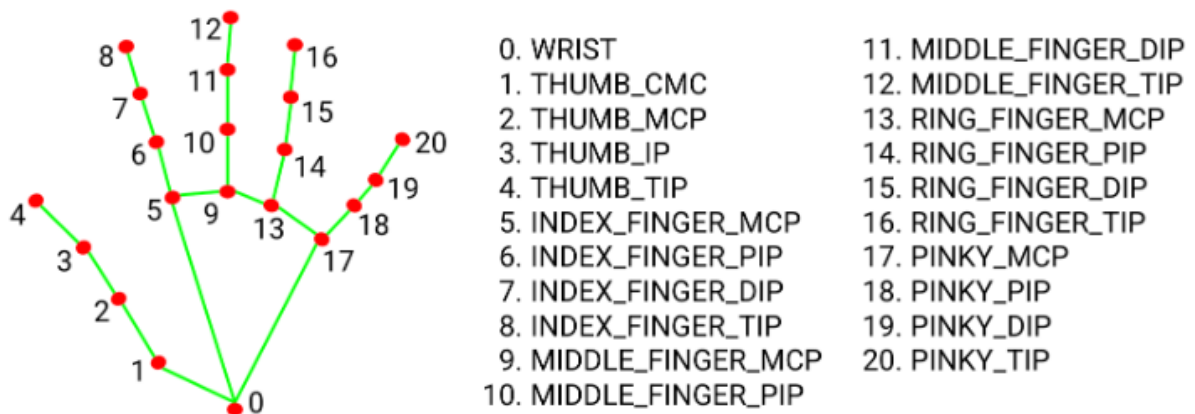
2. Effect preview
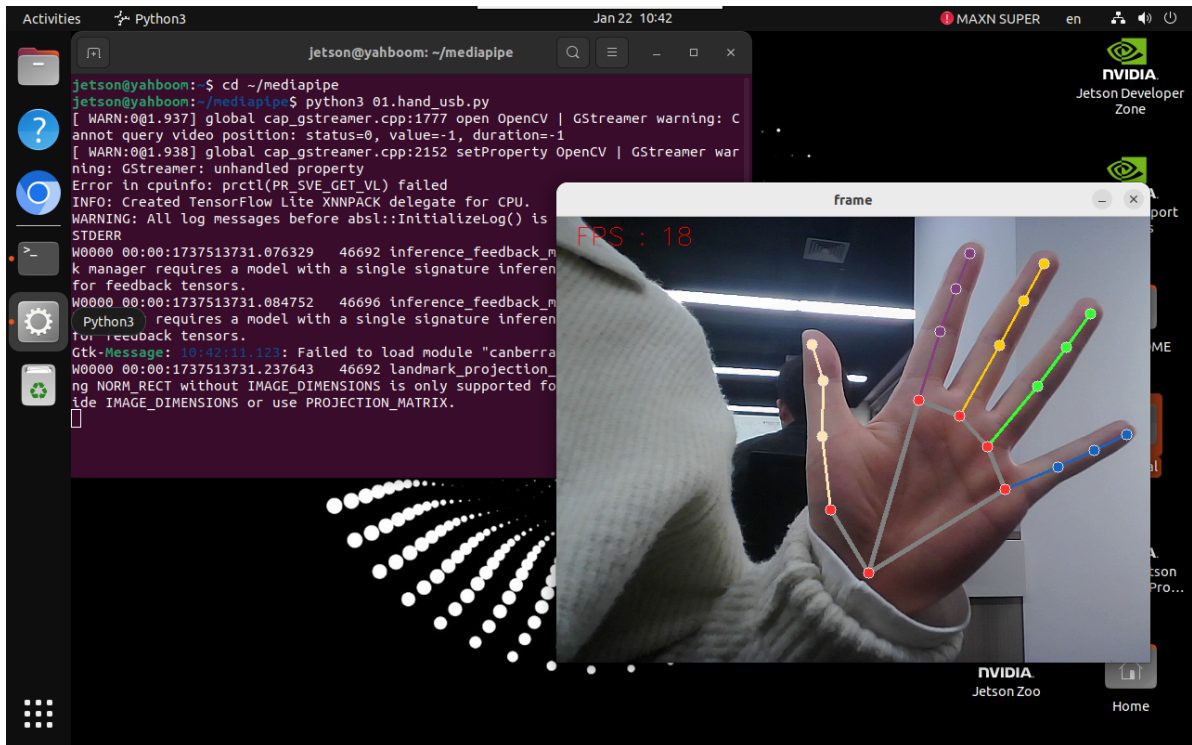
2.1. USB camera

```
cd ~/mediapipe
```

```
python3 01.hand_usb.py
```

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

2.2, CSI camera

```
cd ~/mediapipe
```

```
python3 01.hand_csi.py
```

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