* pip替换清华源

pip config set global.index-url https://pypi.tuna.tsinghua.edu.cn/simple

* opencv依赖库

pip3 install opencv-contrib-python==3.3.0.9 -i https://www.piwheels.org/simple # 安装3309版本

sudo apt-get update #安装依赖库

sudo apt-get install libhdf5-dev

sudo apt-get install libatlas-base-dev

sudo apt-get install libjasper-dev

sudo apt-get install libqt4-test

sudo apt-get install libqtgui4

sudo apt-get update

* import cv2 报错

ImportError: /home/pi/cv2/cv2.cpython-37m-arm-linux-gnueabihf.so: undefined symbol: \_\_atomic\_fetch\_add\_8

解决: <http://www.yoyojacky.com/>

在/etc/bashrc或/etc/profile或~/.bashrc中手动添加库

export LD\_PRELOAD=/usr/lib/arm-linux-gnueabihf/libatomic.so.1

* VSCode remote

<https://blog.csdn.net/MacwinWin/article/details/101519016>

<https://blog.csdn.net/u013475983/article/details/91861437>

**视频实时传输**

所需python库: opencv, numpy, zmq, pybase64

* <https://www.bilibili.com/video/av80745865>

python库: opencv, ZMQ, Numpy, Base64

* opencv打开摄像头，<https://www.jianshu.com/p/2b79012c0228>