USB摄像头

PIBOT机器人小车可以接入 USB摄像头作为监控摄像头,可以实时传输视频流

• 查看 USB摄像头节点 ls /dev/video* -al

```
pibot@pibot-desktop:~$ ls -al /dev/video*
crw-rw----+ l root video 81, 0 5月 20 00:06 /dev/video0
```

• 修改节点名称

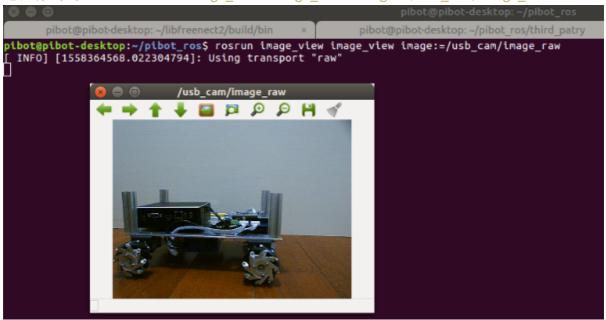
```
roscd pibot/launch/
vi usb_camera.launch
```

• 启动 USB摄像头

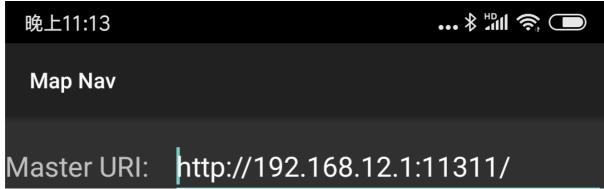
roslaunch pibot usb_camera.launch

```
/rosdistro: kinetic
   /rosversion: 1.12.14
   /usb_cam/camera_frame_id: usb_cam
/usb_cam/image_height: 480
   /usb_cam/image_width: 640
 * /usb cam/io method: mmap
   /usb_cam/pixel_format: yuyv
 * /usb_cam/video_device: /dev/video0
NODES
     pub_compressed_image (image_transport/republish)
     usb cam (usb cam/usb cam node)
auto-starting new master
process[master]: started with pid [18434]
ROS_MASTER_URI=http://192.168.12.1:11311
setting /run_id to 0d622ed0-7a54-11e9-a2f8-b827eb3bc783
process[rosout-1]: started with pid [18461]
started core service [/rosout
process[usb_cam-2]: started with pid [18474]
process[pub_compressed_image-3]: started with pid [18479]
[ INFO] [1558283706.685912147]: using default calibration URL
[ INFO] [1558283706.686227615]: camera calibration URL: file:///home/pibot/.ros/camera_info/head_camera.yaml
  INFO] [1558283706.686465688]: Unable to open camera calibration file [/home/pibot/.ros/camera info/head camera.yam
                3283706.686569490]: Camera calibration file /home/pibot/.ros/camera_info/head_camera.yaml not found.
         [1558283706.687040376]: Starting 'head_camera' (/dev/video0) at 640x480 via mmap (yuyv) at 30 FPS [1558283708.986417458]: unknown control 'white_balance_temperature_auto'
  INF0]
  WARN] [1558283709.011494333]: unknown control 'focus auto'
```

- 查看视频流
 - 电脑端(多机通讯) rosrun image_view image_view image=:/usb_cam/image_raw



• 手机app,启动app输入小车主机ip建立连接后可以直接看到视频流



READ QRCODE	CONNECT
☐ Show advanced options	
CANCEL	

