



USB Camera Common Manual

CONNECT TO PC

1. Install camera software. Download the amcap software and install it on your computer.
2. Connect the camera to PC. Open the Amcap software. The window will show the image captured by camera.

Note: The software we provide is just used for testing.

CONNECT TO RASPBERRY PI

1. Install image for Raspberry Pi, we take Raspbian as example.
2. Connect USB camera to Raspberry. And we use mjpg_streamer to take the video.
3. Check whether the camera is connected properly and recognized:

ls /dev

4. If Video0 is listed with the command, it means that the camera is recognized. If you cannot find the device Video0, please re-plug the camera and try again.

4. Install necessary libraries:

sudo apt-get install libjpeg8-dev

sudo apt-get install libv4l-dev

5. Download the software mjpeg-streamer, and copy it to the boot of TF card. Power on your Raspberry Pi and unzip it to /home/pi

tar zxvf /boot/mjpeg-streamer-master.tar

6. Enter the corresponding folder which you unzip

cd mjpg-streamer-master/mjpg-streamer-experimental/

```
pi@raspberrypi:~$ cd mjpg-streamer-master/mjpg-streamer-experimental/
pi@raspberrypi:~/mjpg-streamer-master/mjpg-streamer-experimental$ ls
build          input_uv.so          output_file.so      start.sh
Make          LICENSE             output_http.so     TODO
MakeLists.txt sakedeb.sh         output_rtsp.so     utils.c
Dockerfile    Makefile           output_udp.so     utils.h
docker-start.sh mjpg_streamer      plugins           www
input_file.so  mjpg_streamer.c    postinstall.sh
input_http.so  mjpg_streamer.h    README.md
input_raspicam.so mjpg_streamer@.service scripts
```

7. Execute the command:

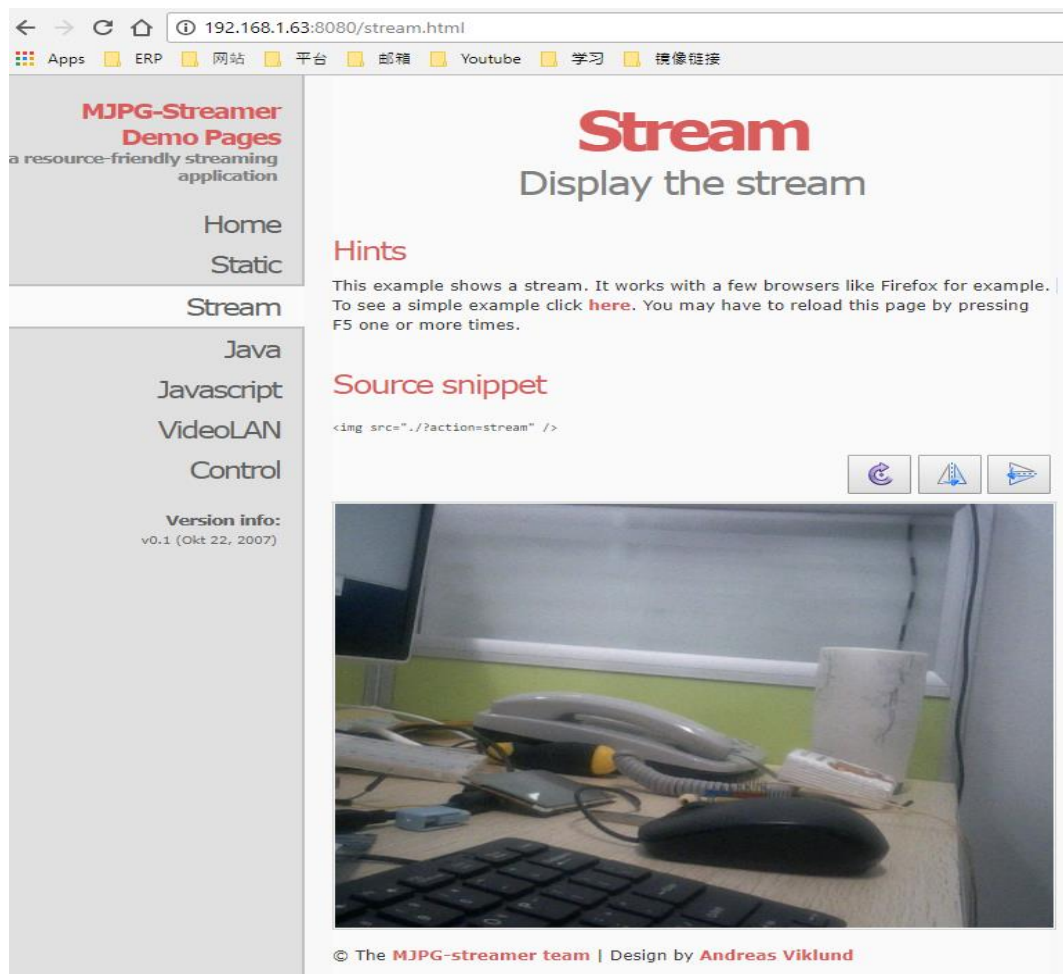
```
./mjpg_streamer -i "./input_uvc.so -r 800x600" -o "output_http.so -w ./www"
```

```
pi@raspberrypi:~/mjpg-streamer-master/mjpg-streamer-experimental $ ./mjpg_streamer -i "./input_uvc.so -r 800x600" -o "./output_http.so -w ./www"
MJPEG Streamer Version: 2.0
i: Using V4L2 device: /dev/video0
i: Desired Resolution: 800 x 600
i: Frames Per Second: -1
i: Format: JPEG
i: TV-Norm: DEFAULT
i: The specified resolution is unavailable, using: width 640 height 480 instead
UVCIIOC_CTRL_ADD - Error at Pan (relative): Inappropriate ioctl for device (25)
UVCIIOC_CTRL_ADD - Error at Tilt (relative): Inappropriate ioctl for device (25)
UVCIIOC_CTRL_ADD - Error at Pan Reset: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_ADD - Error at Tilt Reset: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_ADD - Error at Pan/tilt Reset: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_ADD - Error at Focus (absolute): Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Pan (relative): Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Tilt (relative): Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Pan Reset: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Tilt Reset: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Pan/tilt Reset: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Focus (absolute): Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at LED1 Mode: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at LED1 Frequency: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Disable video processing: Inappropriate ioctl for device (25)
UVCIIOC_CTRL_MAP - Error at Raw bits per pixel: Inappropriate ioctl for device (25)
o: www-folder-path: ./www/
o: HTTP TCP port: 8080
o: HTTP Listen Address: (null)
o: username:password: disabled
o: commands: enabled
```

8. Open browser and enter the IP address of your Raspberry Pi

for example: 192.168.1.63:8080

You need to change "192.168.1.63" to the exact IP address of your Raspberry Pi. Then you could see that the Stream will display the image captured by camera.



← → ↻ 🏠 ⓘ 192.168.1.63:8080/stream.html

Apps ERP 网站 平台 邮箱 Youtube 学习 链接

MJPEG-Streamer
Demo Pages
 a resource-friendly streaming application

Home
 Static
 Stream
 Java
 Javascript
 VideoLAN
 Control

Version info:
 v0.1 (Okt 22, 2007)

Stream
 Display the stream

Hints
 This example shows a stream. It works with a few browsers like Firefox for example. To see a simple example click [here](#). You may have to reload this page by pressing F5 one or more times.

Source snippet

© The MJPG-streamer team | Design by Andreas Viklund