

Ubuntu16.04 平台 FFmpeg 安装

方法 1 FFmpeg NVIDIA 支持安装

1、安装相关工具

```
sudo apt-get install -y autoconf automake build-essential git libass-dev libfreetype6-  
dev libsdl2-dev libtheora-dev libtool libva-dev libvdpau-dev libvorbis-dev libxcb1-  
dev libxcb-shm0-dev libxcb-xfixes0-dev pkg-config texinfo wget zlib1g-dev  
sudo apt-get install -y nasm yasm cmake mercurial  
sudo apt-get install yasm
```

2、安装 ffnvcodec

```
git clone https://git.videolan.org/git/ffmpeg/nv-codec-headers.git  
cd nv-codec-headers  
make && sudo make install
```

3、编译 ffmpeg

下载 <http://www.ffmpeg.org/download.html>

解压后进入该文件夹

配置安装文件

```
./configure --enable-cuda --enable-cuvid --enable-nvenc --enable-nonfree --enable-  
libnpp --extra-cflags=-I/usr/local/cuda-8.0/include --extra-ldflags=-L/usr/local/cuda-  
8.0/lib64 --enable-shared --prefix=/usr/local/ffmpeg/
```

注：其中 cuda-8.0 为您的 cuda 路径

4、执行编译

```
sudo make -j16  
sudo make install
```

5、配置 ffmpeg 库

```
sudo gedit /etc/ld.so.conf
```

加入

```
/usr/local/ffmpeg/lib
```

保存后退出，执行

```
sudo ldconfig
```

6、添加路径

在 bashrc 里

```
sudo gedit ~/.bashrc
```

```
export PATH=/usr/local/ffmpeg/bin/:$PATH
```

```
source ~/.bashrc
```

7、测试——捕获 USB 摄像头并显示

```
ffplay -f video4linux2 -framerate 30 -video_size hd720 /dev/video0
```

参考

<https://blog.csdn.net/quantum7/article/details/82713833>

<https://blog.csdn.net/hiudawn/article/details/82261498>

https://blog.csdn.net/wawayu_0/article/details/80564349

<https://blog.csdn.net/zhangwu1241/article/details/52354604>

方法 2 （该方法下载的 ffmpeg 版本一般较低）

```
sudo add-apt-repository ppa:djcj/hybrid
```

```
sudo apt update
```

```
sudo apt install ffmpeg
```

```
ffmpeg -version
```