

# Wireless Video Sensor

  

[Video](#) > [How to setup full ffmpeg tools in Ubuntu 11.10](#) >

## Useful FFmpeg commands

These commands were tested by me on Ubuntu 11.10 running on MacbookPro1,1 dual boot. If not, it will be stated next to the command.

1. How to split video into 30 seconds chunks. This example creates 3 segments from the beginning of video starting at time 0 seconds of original video. i.e. `<30s><30s><30s><... long big chunk>`.

Code:

```
ffmpeg -ss 00:00:30 -vsync 0 -t 00:00:30 -i webcam_2012.  
ffmpeg -ss 00:01:00 -vsync 0 -t 00:00:30 -i webcam_2012.  
ffmpeg -ss 00:01:30 -vsync 0 -t 00:00:30 -i webcam_2012.
```

2. How to extract a still JPEG image from a video at the 20 second spot.

Code:

```
ffmpeg -i webcam_2012-03-18_00_33_58.mp4 -r 0.1 -t
```

3. Here are some other examples to save you time:

[19-FFmpeg commands for all needs](#)

4. Good articles and examples here:

[FFmpeg - The swiss army knife of Internet streaming - part I](#)

[FFmpeg - The swiss army knife of Internet streaming - part II](#)

[FFmpeg - The swiss army knife of Internet streaming - part](#)

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### III

#### FFMpeg - The swiss army knife of Internet streaming - part

### IV

5. Screencasting: How to capture your desktop screen and audio.

[Nice examples here.](#)

6. How to overlay text on the video at a specific window position.

Code:

```
ffmpeg -i sub_video3.mp4 -vf \
drawtext="fontfile=/usr/share/fonts/truetype/ttf-
text='Text to write is this one, overlaid':fonts:
with_text3.mp4
```

7. How to grab audio from your desktop/laptop microphone.

Code:

```
ffmpeg -f alsa -ac 2 -i pulse mic_test.mp3
```

8. Two examples that overlays text over video which timestamps the output video to start at the specified time (timecode).

Code:

```
#Begin at 1:00

ffmpeg -y -i in_video.mp4 \
-vf "drawtext=fontcolor=white: fontsize=16:
fontfile=/usr/share/fonts/tru
box=1:boxcolor=black@0.3:x=50
timecode='00\\:01\\:00\\;02':
out.mp4

#Begin at 3:59, with a specified codec

ffmpeg -i in_video.mp4 \
-vf "drawtext=fontfile=/usr/share/fonts/tru
x=10: y=20: fontsize=32: boxc
rate=30000/1001:timecode='00\
-r 30000/1001 \
-vcodec mpeg4 \
nostra_timecode.mp4
```

9. A example that overlays text over video which shows updating timestamps on the output video.

Code:

```
ffmpeg -i video.mp4 -vf drawtext="fontfile=/usr/sh
                                text='%T %D': x=10: y=10:
                                -vcodec libx264 -preset fa
                                strftime.mp4"
```

10. A example that overlays text over an mjpeg input stream generated with mjpeg\_streamer from a usb webcam.

Code:

```
ffmpeg -fflags +genpts -t 600 -f mjpeg -r 8 -s 640
-i http://localhost:8080/?action=stream -v
-vf drawtext="fontfile=/usr/share/fonts/TTF
              text='%H\:%M\:%S | \%a \%d/
              fontcolor=0xFFFFFFFF:fontsize=
              shadowcolor=0x000000EE:shadoww
-b 1500000 -r 8 \
video_file.avi"
```

11. If you want to add subtitles to a video file (in\_video.avi) with audio to a new output video with subtitles. Note that since video had audio we are not passing the audio file we just map audio to the 2nd (0:1) component of the output. Input had 2 components, 0 and 1. Output has three (3) components, 0, 1, and 2. So, we are mapping the 1st input component to the 1st and 2nd output components (0:0) and (0:1). We also map the 2nd input component to the 3rd out put component (1:2).

Code:

```
ffmpeg -i in_video.avi -c:v libx264 -vpre ipod
                                -c:a libfaac -ar 48000
-i in_subtitles.srt -c:s copy -map 1:2
out_video_with_titles.m4v
```

#That is, follow this type of command format:

```
ffmpeg -i Input_1.avi -c:v copy -map 0:0 \
-i Input_2.wav -c:a copy -map 1:1 \
-i Input_3.srt -c:s copy -map 2:2
Output.mp4
```

12. ffmpeg: the mother of all command-lines  
Nice complex command explained!

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