

Video TIPS

Getting INFO

```
avprobe <file>
```

Convert to webm

```
ffmpeg -i input.video -threads 4 -b:v 1M -crf 10 output.webm
```

Repair index

```
mencoder -idx input.video -ovc copy -oac copy -o output.video
```

from images to video

```
# 5 images per seconds  
ffmpeg -y -framerate 5 -pattern_type glob -i '*.jpg' -c:v libx264 -vf  
"fps=25,scale=720:-1" out.mp4
```

MKV

convert to mkv

```
mkvmerge -o output.mkv <inputfile>
```

convert to mkv and downgrade quality

```
avconv -i <inputfile> -map 0 -c:v libx264 -crf 20 -c:a copy -c:s copy  
<outfile>.mkv
```

concatenate all *.mp4 files to output.mkv

```
mkvmerge -o output.mkv $(echo *.mp4 | sed "s| | +|g")
```

x264

From x265 to x264

```
ffmpeg -xerror -i input.mkv -hide_banner -threads 0 -map 0 -c:a copy -c:s copy -c:v libx264 -pix_fmt yuv420p output.mkv
```

script

convert files to mkv and downgrade them if greater than specific value

tomkv (chmod +x)

```
#!/bin/bash

OUTDIR=out
LIMIT_MBYTE=1500
QUALITY=20 # lower values are better

mkdir -p $OUTDIR
set -x
for f in "$@"
do
    [ -f "$f" ] || continue

    SIZE=$(stat -c%s "$f")
    OUTNAME=$OUTDIR/${f%.*}.mkv
    [ -f "$OUTNAME" ] && ( echo "Skip $OUTNAME"; continue )

    if [ $SIZE -gt $((LIMIT_MBYTE*1000000)) ]; then
        echo avconv $f
        avconv -i "$f" -map 0 -c:v libx264 -crf $QUALITY -c:a copy -c:s copy "$OUTNAME"
    else
        echo mkvmerge $f
        mkvmerge "$f" -o "$OUTNAME"
    fi
done
```

Usage to convert into ./out folder

```
tomkv file1 file2 ...
```

camera motion

```
INPUT=rtsp://foscam:foscam1@192.168.2.14/videoMain
ffprobe -i $INPUT
<code>

<code>
```

```
ffmpeg -rtsp_transport tcp -i $INPUT -c:v libx264 -an -y test.mp4
```

From:
<https://wiki.csgalileo.org/> - **Galileo Labs**

Permanent link:
<https://wiki.csgalileo.org/tips/video?rev=1515444588>

Last update: **2018/01/08 21:49**

