

---

## Mencoder

**By rac**

Published: 18.02.2009 - 18:12

Hier sind ein paar Befehle, die ich mal gebraucht habe um Videos in ein anderes Format zu wandeln

### DTS nach AC3 Tonspur, Video behalten

```
mencoder {InputVideo} -o {OutputVideo} -ovc copy -oac lavc -lavcopts acodec=ac3
```

### Irgend ein Format nach MPEG für die Dreambox

```
mencoder {InputVideo} -o {OutputVideo.mpg} -of mpeg -ofps 25 -oac lavc -ovc lavc -srate 44100  
-lavcopts  
acodec=mp2:vcodec=mpeg2video:vhq:keyint=25:vbitrate=10000:abitrage=192:scplx_mask=0.2 -vf  
pp=hb/vb/dr,hqdn3d -vf scale=720:-2,expand=0:576,crop=704:576
```

## Links

- [http://www.tevs.eu/blog\\_6.html](http://www.tevs.eu/blog_6.html)
- <http://blog.ax11.de/archives/2008/08/30/1461-H264-Kompression-mit-Mencoder-Update.html>
- <http://kalfaoglu.com/wp/?p=4>
- [http://wiki.dbox2-tuning.net/wiki/index.php/Beliebiges\\_Filmformat\\_in\\_TS-Datei\\_umwandeln](http://wiki.dbox2-tuning.net/wiki/index.php/Beliebiges_Filmformat_in_TS-Datei_umwandeln)
- <http://www.linuxforen.de/forums/archive/index.php/t-174252.html>
- <http://www.linuxforen.de/forums/archive/index.php/t-229612.html>
- <http://www.marcus-mende.de/mypage/index.php?view=mwiki&filename=ffmpeg.php>
- [http://mitschnitt.net/blog/?page\\_id=66](http://mitschnitt.net/blog/?page_id=66)
- <http://handbrake.fr/>
- <http://avi.alkalay.net/2008/03/mpeg4-dvd-rip.html>

- 
- <http://psyklops.blogspot.com/2008/11/encoding-to-h264x264-with-mencoder-and.html>

## To test

### 1. Demuxing TS:

```
mplayer -dumpvideo -dumpfile Y:Outfile.264 Z:Infile.ts  
mplayer -dumpaudio -dumpfile Y:Outfile.ac3 Z:Infile.ts
```

### 1. Demuxing TS:

Extract the video to RAW H264 and AC3 audio. I used mencoder for this. I used the version from 31.07.2006 from here: <http://tirnanog.fate.jp/mirror/mplayer/>

The latest official release didn't work

To demux video use the following command:

```
mencoder.exe "Z:Infile.ts" -of rawvideo -ovc copy -oac copy -noskip -o Y:Outfile.264
```

Demux audio using ProjectX ( [http://www.lucike.info/page\\_projectx.htm](http://www.lucike.info/page_projectx.htm) ). This has the advantage that you see stream errors in the log. ProjectX will complain a lot about GOP size and won't extract the video track. It will extract all audio tracks and fix errors. I recommend recapping if you'll get errors as watching a file with errors is not much fun and syncing the audio will be a pain in the ass. If you don't like ProjectX, you can still use

```
mencoder.exe "Z:Infile.ts" -of rawaudio -ovc copy -oac copy -noskip -o Y:Outfile.ac3  
but you'll only get one audio track and no error report.
```

Vom mpeg ins vob Format

```
mencoder Film.m2p -o Film.vob -of mpeg -mpegopts ,format=dvd' -oac copy -ovc copy
```

Vom avi ins Vob Format:

```
mencoder -oac copy -ovc lavc -of mpeg -mpegopts format=dvd:tsaf -vf scale=720:576,harddup -ofps  
25 -lavcopts  
vcodec=mpeg2video:vrc_buf_size=1835:vrc_maxrate=9800:vbitrate=5000:keyint=15:vstrict=0:aspe  
ct=16/9 -o movie.mpg movie.avi
```

Ermittlung der Bitrate

---

$$\text{Bitrate} = (\text{Ziel\_Dateigröße\_in\_Mbyte} - \text{Audio\_Dateigröße\_in\_Mbyte}) * 1024 * 1024 /$$
$$\text{Länge\_in\_Sekunden} * 8 / 1000$$

Komprimierung in x264

erster durchgang

```
mencoder -v Dateiname.vob -vf crop=688:576:18:0,harddup -ovc x264 -x264encopts  
subq=4:bframes=3:b_pyramid:weight_b:turbo=1:pass=1:psnr:bitrate=745 -ofps 25 -oac copy -of  
rawvideo -o Dateiname.264
```

Zweiter durchgang

```
mencoder -v Dateiname.vob -vf crop=688:576:18:0,harddup -ovc x264 -x264encopts  
subq=6:4x4mv:8x8dct:me=3:frameref=5:bframes=3:b_pyramid:weight_b:pass=2:psnr:bitrate=745  
-ofps 25 -oac copy -of rawvideo -o Dateiname.264
```

MP4 erzeugen

```
MP4Box -add Dateiname.264 Dateiname.mp4
```

## Related Links

- [Linuxforum Artikel zum Thema mencoder](#)

-->

### Trackback URL for this post:

<http://www.2030.tk/trackback/218>