

Free DCP

If you're lucky enough to own Adobe Creative Cloud CC 2014/15 you can create a free 2K DCP.

For 4K, 3D, HFR or other frame rates than 24 or 25 you have to buy the [pro version of Wraptor DCP](#)

1. Create final file in the highest resolution possible with Audio as either:

A. Stereo

B. 3 channels (Left, Center, Right)

C. 5.1(L,R,C,LFE,Ls,Rs)

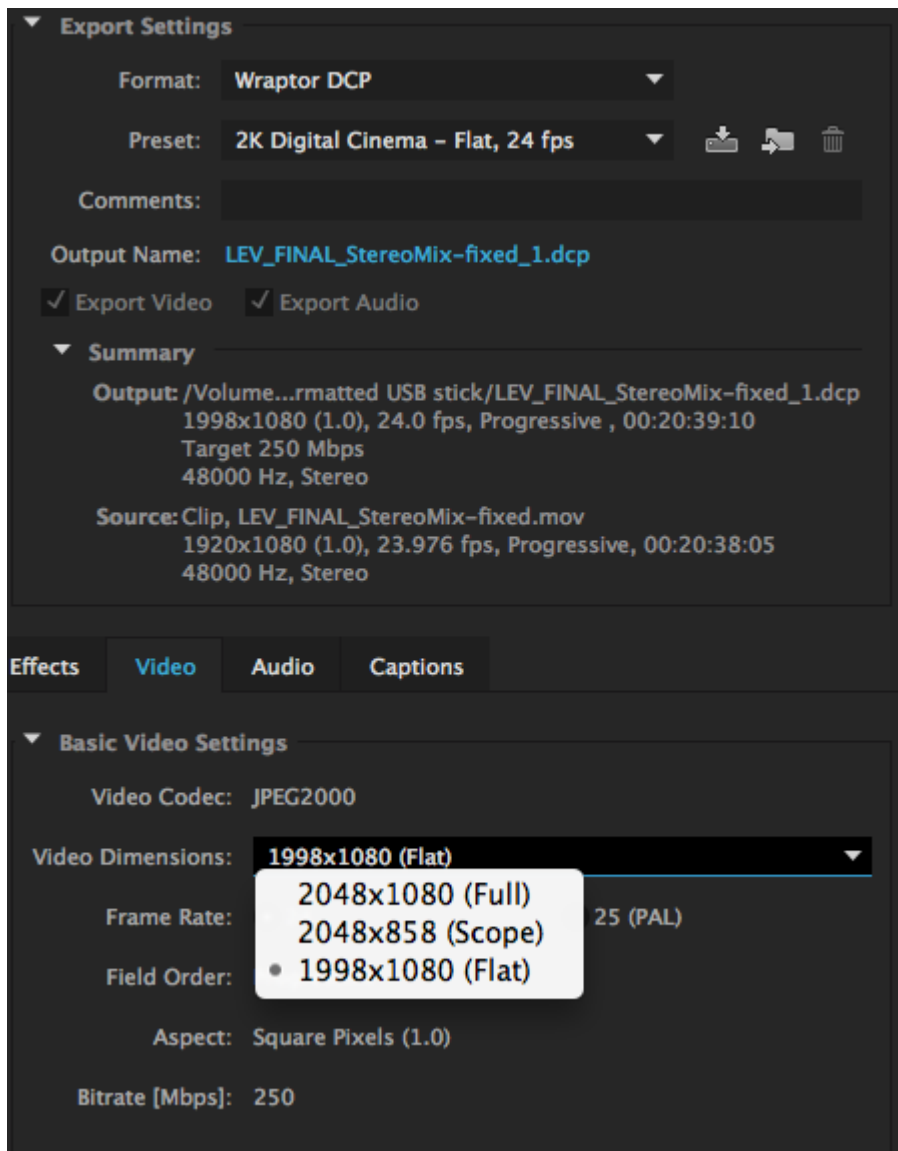
DCPs are True 24 fps or True 25 fps. Progressive!

For best results do your own conversion from 23.98 or 29.79 using Premiere or AE.

For interlaced footage 29.97, make a true 24 fps timeline >1998×1080. Set field options to >Always De-interlace. Don't use optical flow. Don't stretch to 1998, just leave a little bit of black on both edges, scaling creates artifacts.

[The best de-interlacing is done in AE](#) or [Red Giant's Frames](#).

Speed up Audio by 0.1% (for 23.98) in Audition, then add to sequence.



2. Drag your final file into AMA and choose Wraptor DCP.

The only options are 24/25 frame and aspect ratio.

Choose "Flat" for 16×9 HD footage.

Bitrate is fixed to 250Mbps which is very good and creates files of 15GB per 60min of footage.

The encoder takes your file and creates a series of JPEG2000 files at true 24 fr/sec.

It takes 4x Realtime (1hour of film takes 4hr)

3. 2 tests before you send it out:

1. Test the Files by re-importing into Pr and re-combining the Video.mxf with the audio.mxf from the DCP folder.

2 [Install DCP Player Free \(WIN ONLY\)](#)

4. Format USB stick as [Linux ext2](#) or [ext3](#) file system.
[Difference ext2, ext3, ext4](#)

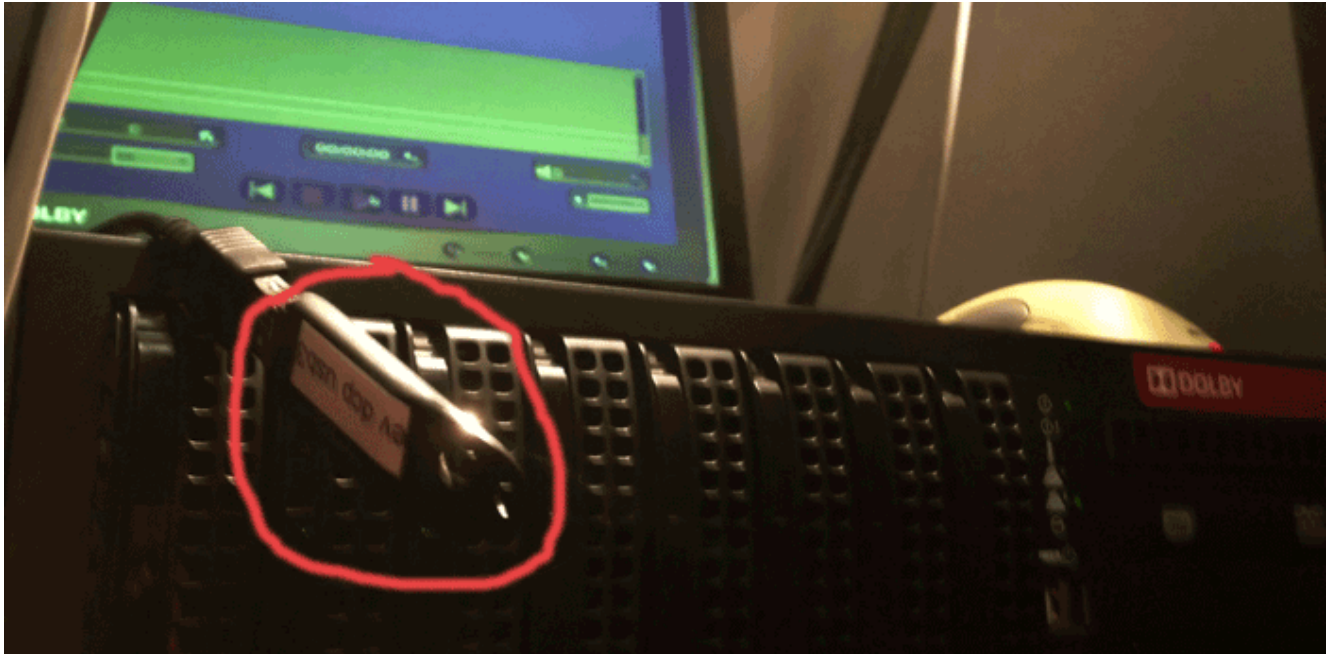
On MAC most people use the [Paragon extension for osx.](#)
or [Ext2 File System Driver for WIN](#)

NOTE: An Ext 2 formatted USB Drive will not be recognized by a WIN or MAC computer.

5. Copy your DCP folder to the EXT2 USB stick.

6. Ask your local theatre if you can stop by in in the morning for 15 mins and load on their D-Cinema server.

Transfer of 15GB/1hr takes about 5 min >USB3.



Most projectionists and festivals advice against using



encryption.

Make sure you can deliver USB stick instead of old-fashioned [CRU-115 Data-port carrier](#).

[The Wraptor Lite DCP creator follows academy specs:](#)

Framerate: 24fps (not 23.976)

Compression: JPEG2000

Color Space: XYZ

2K Format: Full Container 2048×1080, Flat (1.85:1) 1998×1080, or Scope (2.39:1) 2048×858

Audio Format: 48kHz uncompressed, 24 bit

Minimum of 3 Audio Channels: Left, Right, Center or 5.1

Encryption: Unencrypted material only

A DCP is nothing more than a set file structure in a folder that the D-cinema server can read.

[Read more about DCP's here](#) or [Filmmaker Magazine](#)

[How to prepare your project for a DCP Digital Cinema Package](#)

