



Source Material Specs for DCP Authoring

Basic Summary:

Most films can be authored from a QuickTime file which has been rendered/exported to a high quality codec with embedded stereo audio (surround sound must be delivered separately as mono aif or wav files).

General Picture Requirements:

Slates, bars and tone, countdowns, etc. are not necessary and should not be included.

- Final DCP will be authored at one of the standard DCP aspect ratios: 1.85:1 (Flat)* = 1998x1080
2.39:1 (Scope) = 2048x858

**If a 16x9 image is delivered (1920x1080 or 1280x720), a slight pillar-box will be added to conform to the "flat" aspect ratio.*

- Frame rate must be one of the following: 23.976, 24, 25, 29.97 or 30. *For projects finished at 23.976 using the InterOp standard, there is no need to convert to true 24fps. Cinematiq will handle the conversion (and audio pullup) during the authoring process.*

- Color can be encoded as **Rec-709, DCI-P3, or XYZ.**
If delivering in a colorspace other than Rec-709 (the default colorspace for HDTV), the file should be clearly labeled as such, and gamma levels noted.

Preferred Image File Formats:

- QuickTime Movie

General Audio Requirements:

- Multi-channel audio such as 5.1 surround sound needs to be delivered as discrete mono files clearly labeled with a channel assignment (L,R,C,LFE,Ls, Rs).
- These files must be the exact same length as the picture.
- LFE channel audio should be low passed (e.g. ~24-48db roll-off above ~125-160Hz) applied to prevent unwanted frequency ranges from finding their way to exhibition locations that may not have low pass filters in-line.

Preferred Audio File Formats:

- WAV (24 Bit, 48kHz, matching picture frame-rate)
- AIFF (24 Bit, 48kHz, matching picture frame-rate)

Specific Guidelines for QuickTime Movie Files:

- Codec should either be **Apple ProRes** variant 422 or another standard professional codec such as **10-Bit Uncompressed**. *Use of another codec may result in delays or color-shifts. If you are planning on using a different codec, please contact us.*
- Stereo audio must be embedded in the QuickTime
- Multi-channel audio should be delivered as separate files matching the picture's frame-rate and length.