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## CATALYST VIDEO CONTENT INFORMATION

### Catalyst file formats

Catalyst is based on Quicktime playback - but it does not support every codec/format.

Catalyst will playback files in the following formats. The best movie format is 'ProRes' or Apple Intermediate Codec'

### For most Projects:

Movie Format: Apple Quicktime Movie  
Codec: ProRes (Proxy or LT) or Apple intermediate Codec  
Quality: 50% quality is sufficient (AIC)  
Frame Rate: 25 or 30 fps (depending upon the screen/projectors in use 50Hz / 60Hz)  
Data Rate: 50-80 Mbit/s (as low as possible)

It is not normally required to render video content in HQ formats  
Pro-Res Proxy or LT is usually sufficient (not 422 or HQ)  
AIC at 50% is usually sufficient

Bear in mind that catalyst can up-scale any video content - so 1:1 pixel is not always required.  
A scale factor up to x3 is usually acceptable before any pixilation is noticeable.

### NOTE:

**Frame rate should be an exact multiple of the output refresh rate (i.e. 60Hz=30fps or 50/75Hz=25fps)**

**Resolution must be a 'square pixel ratio'**

**Unless a custom resolution is required, the pixel width to be exactly divisible by 16 (some codecs require this)**

**In either case, the width and height should be an even number (not odd)**

### Others formats supported:

Apple Intermediate Codec  
Pro-res - support alpha transparency  
Animation Codec - support alpha transparency

### Still Images:

Jpeg  
PSD  
PNG - Supports alpha transparency  
TIFF - Supports alpha transparency

Catalyst supports alpha transparency natively.

Transparency can also be achieved with the use of transparent black or white or mask colour effects.

## **Performance**

Current maximum file size is 4480 x 2600 - which can accommodate RED content.

File Size is not a fixed limit - but is kept small enough so it doesn't break old computers...

Contact us if your requirements exceed this size

## **MacPro 6,1 2014**

When using the internal SSD, you should not expect to obtain more than 16 simultaneous layers at 1920x1080 25/30fps Pro-Res LT/Proxy

## **MacPro 5,1 2013**

When using an SSD, you should not expect to obtain more than 8 simultaneous layers at 1920x1080 25/30fps Pro-Res LT/Proxy or Apple Intermediate Codec

Performance depends upon the spec of your system

If using SD footage, you will be able to use more layers, depending upon the Mac specifications.

Any recorded or live camera footage should be de-interlaced before export to Pro-Res / Apple intermediate Codec

## **Numbering**

Catalyst uses folder and file numbering to determine content playback

each folder should have a 3 digit prefix (i.e. 001) plus a name (001-252)

each file should have a 3 digit prefix (i.e. 001) plus a name (001-255)

e.g:

Show Content

001 Folder 1

001 File one

002 File two

etc...

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