

Flash Video Notes

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Load External Video (can use on non-FLV files)

makes a swf container for external non FLV to play through (not embedded)

must upload the video file, swf container, and swf playback files (3 total)!

Embed video within a Flash file (can only embed FLV!**)

Select File > Import > Import Video to import the video clip into the current Flash document.

Select the video clip on your local computer to import.

Select Embed FLV In SWF and Play In Timeline.

Click Next.

Choose the symbol type with which to embed the video in the SWF file.

** (use Adobe Media Encoder to change to FLV)

Make External FLV - use Adobe Media Encoder

Progressive - in cache of viewer's hard drive

Streaming - stays on server

Frame Rate

29.97 fps (NTSC)

if you need to drop frame rate - divide evenly! (ie. 30 - 15 - 10 - 6)

Bit Rate

ie. data rate

quality of video clip for bandwidth constraints (ie. internet)

for some users (ie. modems) wait time / delay before play with high bitrate

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play with high bit rate and low frame rate or visa versa - experiment...

what looks best?

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Key Frames

complete description of frame

interval frames - describe only the changes

movie with rapidly moving motion - pick lower key frame interval

higher key frame interval = better image quality

higher key frame interval - because data not wasted describing areas

unchanged

Aspect

320 x 240 (good for internet)

non-square pixels

720 x 480 (rectangle pixels) becomes 640 x 480 (square)

interlaced / non-interlaced

tv - interlaced

computer - non-interlaced

Compression Tips

http://help.adobe.com/en_US/AdobeMediaEncoder/4.0/WS7B138E91-9840-4567-B465-64872CDB5E91.html

Spatial / Temporal

There are two types of compression that can be applied to digital media: spatial and temporal. Spatial compression is applied to a single frame of data, independent of any surrounding frames. Spatial compression can be lossless (in which no data is discarded from the image) or lossy (in which data is selectively discarded). A spatially compressed frame is often called an intraframe.

Temporal compression identifies the differences between frames and stores only those differences, so that frames are described based on their difference from the preceding frame. Unchanged areas are repeated from the previous frames. A temporally compressed frame is often called an interframe.

FLV - Skin

must be uploaded with FLV...

Video Crash Course

<http://tv.adobe.com/watch/flash-411/video-crash-course/>