



MPEG-4 Encoding Specification for the DV series of standard definition media players (DV01 and DV66 series).

Encoding parameters are very similar to the specifications for MPEG-2 encoding:

Video parameters:

Video type: MPEG-4 SP, ASP (.divx, .avi, .asf) (**not H264**)
Attributes: 24 bits, 720 x 480
Frame rate: 29.97 frames/sec
Data rate: up to 4Mbps (most people use under 3Mbps) CBR
Aspect ratio: 16:9 or 4:3

Audio parameters:

Audio type: MPEG1/2 L3 (MP3)
Attributes: 44,100Hz, 16 Bit, Stereo
Bit rate: 128 (or 96) Kbps CBR

Notes from Users:

Using **MPEG STREAMCLIP** and Apple MP4 compressor, the following settings were used:

- Export to: Apple MP4 (**not H264**)
- Framesize: DVNTSC 720x480

Using **DivX**, the following settings were used:

Video type: DivX 5 (bidirectional compression OFF for the DV01)
Attributes: 720 x 480
Frame rate: 23.98 (or 29.97) frames/sec
Data rate: 1935 Kbps
Aspect ratio: 16:9 or 4:3
Audio Codec: MPEG1/2 L3
Audio Bit rate: 96 Kbps
Sampling rate: 44.1 kHz

These settings are for the sample DivX file (pinball.mp4) on our ftp site:

www.technovision.com/ftp/TEST_MEDIA

Mac *shareware* encoding programs recommended by dealers:

Shareware programs that work great on a **Mac** for encoding files to either MPEG-2 or MPEG-4:

The easiest (and best quality) is the MPEG4 DIVX encoder:

<http://www.divx.com/>

An mpeg-2 converter that works is the "ffmpegX" at:

<http://mac.softpedia.com/get/Video/ffmpegX.shtml>

It is a little more complicated to setup, but it will encode mpeg-2 files that the DV players can play.