

## Single Machine Transcoding - Episode Engine Pro



Benchmark done on a Nehalem 2.93 GHz 8 core, 12 GB RAM, 3 TB RAID 0 (internal software RAID) with Episode Engine Pro using the unique Split-and-Stitch® technology. Input file is 12 minutes long, encoded with 2-pass.

**Web:** Input: 320x240 WMV @ 29.97fps, Output: All 29.97fps out, stereo (except Flash 8, mono MP3)

**SD:** Input: NTSC MPEG-2 Long-GOP

**HD:** Input: MPEG-2 Transport Stream HD 1080i60

**5x means five times faster than realtime. For example: A 10 minutes file that takes 2 minutes to encode, is 10/2=5 times faster than realtime.**

Web : 320x240 Output				
WMV	PSP	QT	Flash 8	Flash 9
9x	28x	29x	11x	13x

SD: NTSC Outputs (720x480 @29.97)			
DV25	Flash 8	IPTV H.264	MPEG-2
11x	2x	4x	8x

HD: 1080i60 Outputs			
DNxHD	DVCProHD	Grass	IPTV H.264
2.3x	2.4x	1.6x	0.8x

<b>DV50 PAL --&gt;</b>	
FLV 1280x720	5x
<b>MPEG-2 4:2:2 50 mbit HD1080i MOV --&gt;</b>	
Pro RES 1080i HQ	1.5x
<b>MPEG-2 4:2:2 50 mbit HD1080i MPEG --&gt;</b>	
Flash 8 320x240	2.5x
<b>IMX30 PAL MOV --&gt;</b>	
IMX30 NTSC MOV	2.5x
AVID DNxHD 1080i 120 mbit	3x
<b>DV --&gt;</b>	
Flash 9 480x270	10x
<b>MPEG-2 5 mbit Transport Stream --&gt;</b>	
Flash 9 1500 kbit 640x480	4x
Flash 9 800 kbit 480x360	6x
Flash 9 300 kbit 320x240	11x
<b>IMX30 MOV --&gt;</b>	
Flash 9 1500 kbit 640x480	4x
Flash 9 800 kbit 480x360	6x
Flash 9 300 kbit 320x240	9x
MPEG-2 5 mbit Transport Stream PAL	7x
H.264 3MB7s Transport Stream	4x

