

Larry Jordan - Compressor 4.1.2 vs. Adobe Media Encoder (Build 8.0.1.48)

Category	File	Type	Duration	Frame size	Source Format	Compressor (Time)	Compressor (File Size MB)	AME (Time)	AME (File Size MB)	Compressor speed vs. AME
<i>2-pass MPEG-4 - VBR H.264 codec Data Rate: 1 mbps</i>										
	Movie 1 - Plugin	Screen Cap	8:32	1280 x 720	QT ProRes 4444	35m 41s	73.7	7m 39s	68.3	4.66
	Movie 2 - Bridge	News video	2:12	1280 x 720	QT ProRes 422 LT	5m 15s	26.9	2m 28s	17.3	2.13
	Movie 3 - Dance	Dance video	7:49	1280 x 720	XDCAM EX 35 Mbps	22m 47s	101.4	7m 23s	61.5	3.09
	<i>On average, Compressor is:</i>		<i>3.29</i>	<i>times slower</i>		<i>Sum of File Sizes (MB)</i>	<i>202</i>		<i>147.1</i>	
<i>1-pass MPEG-4 - VBR H.264 codec Data Rate: 1 mbps</i>										
	Movie 1 - Plugin	Screen Cap	8:32	1280 x 720	QT ProRes 4444	3m 34s	68.5	4m 6s	65.3	0.87
	Movie 2 - Bridge	Screen Cap	2:12	1280 x 720	QT ProRes 422 LT	2m 3s	17.6	1m 22s	17.4	1.50
	Movie 3 - Dance	Dance video	7:49	1280 x 720	XDCAM EX 35 Mbps	7m 8s	62.1	3m 51s	61.1	1.85
	<i>On average, Compressor is:</i>		<i>1.41</i>	<i>times slower</i>		<i>Sum of File Sizes (MB)</i>	<i>148.2</i>		<i>143.8</i>	
<i>Default YouTube Settings - VBR H.264 codec Data Rate: 10 mbps</i>										
	Movie 1 - Plugin	Screen Cap	8:32	1280 x 720	QT ProRes 4444	17m 31s	151.3	3m 2s	310.9	5.77
	Movie 2 - Bridge	Screen Cap	2:12	1280 x 720	QT ProRes 422 LT	19m 39s	169	1m 31s	152.2	12.96
	Movie 3 - Dance	Dance video	7:49	1280 x 720	XDCAM EX 35 Mbps	1h 18m 36s	585.4	5m 28s	575.6	14.38
	<i>On average, Compressor is:</i>		<i>11.04</i>	<i>times slower</i>		<i>Sum of File Sizes (MB)</i>	<i>905.7</i>		<i>1038.7</i>	
<b>Compression Notes</b>										
	All tests run on a 2012 iMac, 3.4 Ghz i7 — 16 GB of RAM — OS X 10.9.4.									
	Compressor version 4.1.2 — AME version 8.0.1.28									
	All files were submitted directly. Watch folders and droplets were not used.									
	AME or Compressor was the only application running during compression.									
	All files compressed serially									
	All files had the same watermark burned into them.									
	Compression settings were as close to matching as the interfaces allowed.									
	MPEG-4 1-pass settings were identical to 2-pass settings, except for changing the pass count									
	YouTube settings were defaults EXCEPT: I added a watermark, set the data rate to 10 mbps and passed thru image size/frame rates									