

Apple Compressor Speed Tests - YouTube HD720 Default Setting

Type of File	File Name	File Size	Running Time	Codec	Image Size	Compressor 4.1.2 (iMac) Multi-pass		Compressor 4.2 (iMac) Multi-pass		Compressor 4.3.1 (iMac) Single Pass		Compressor 4.3.1 (iMac) Multi-pass		Compressor 4.2 (MacBook Pro)		Compressor 4.3.1 (MacBook Pro)		iMac	iMac	MacBook Pro	
						Time to Compress YouTube HD 720 default setting	File Size (MB)	Time to Compress YouTube HD 720 default setting	File Size (MB)	Time to Compress YouTube HD 720 [This is not the default setting.]	File Size (MB)	Time to Compress YouTube HD 720 default setting	File Size (MB)	Time to Compress YouTube HD 720 default setting	File Size (MB)	Time to Compress YouTube HD 720 default setting	File Size (MB)				Time to Compress YouTube HD 720 default setting
QT Movie	2RG ep10	2.33 GB	08:58	XDCAM EX	1280 x 720	44:04	695.2	03:11	682.6 MB	01:41	662.6	03:56	682.6	02:33	682.6			133.7%	-23.6%	N/A	
QT Movie (Fusion Drive)	Tour	14.87 GB	04:45	ProRes 422 HQ	1920 x 1080	(Not Tested)		(Not Tested)		01:48	360.2	03:35	363.8					99.1%	N/A		
QT Movie (External SSD)	Tour	14.87 GB	04:45	ProRes 422 HQ	1920 x 1080	23:28	362.8	06:27	362.9 MB	01:50	360.2	04:07	363.8					124.5%	36.2%	N/A	
QT Movie (2nd Drive)	Tour	14.87 GB	04:45	ProRes 422 HQ	1920 x 1080	(Not Tested)		07:33	362.9 MB	02:37	360.2	04:35	363.8	07:40	362.9			75.2%	39.3%	N/A	
QT Movie (Fusion Drive)	Craft 01	46.83 GB	37:35	ProRes 4444	1280 x 720	(Not Tested)		(Not Tested)		06:29	1180	13:22	1490					106.2%	N/A		
QT Movie (External SSD)	Craft 01	46.83 GB	37:35	ProRes 4444	1280 x 720	(Not Tested)		(Not Tested)		07:19	1180	14:41	1490					100.7%	N/A		
QT Movie (2nd Drive)	Craft 01	46.83 GB	37:35	ProRes 4444	1280 x 720	24:53	944.1	08:04	1490	12:19	1180	24:03	1490	15:48	1490			95.3%	3.3%	N/A	
								SSD Speed differential		42.7%		ProRes 422		11.3%		Average Improvement		104.9%		13.8%	
										40.6%		ProRes 4444		38.9%							
NOTES																					
* All source files compressed to 1280 x 720, using the default YouTube HD720 setting. No changes or effects were added to this setting.																	NOTE: MacBook Pro speeds couldn't be tested because I still need the MacBook Pro to run v.4.2				
* Since not all source files were the same image size, all files were scaled to the same compressed image size of 1280 x 720																					
* By default, the YouTube settings create a QuickTime movie, using the H.264 codec - in multi-pass mode - with a 9,765 kbps data rate.																					
* Compressor 4.1.2 compression done on a Late 2013 27" iMac, 3.5 GHz Intel Core i7 with 32 GB of RAM - running Mac OS X 10.9.5																					
* Compressor 4.2 compression done on a Late 2013 21" iMac 3.1 GHz Intel Core i7 with 16 GB of RAM. Because the processor is 2.1% slower, a small portion of the differences in compression speed can be attributed to the CPU.																					
* Due to acknowledged speed issues with 4.3.0, no speed tests were run with this version.																					
* Compressor 4.3.1 compression done on a Late 2013 27" iMac, 3.5 GHz Intel Core i7 with 32 GB of RAM - running Mac OS X 10.12.3																					
* The Compressor 4.3.1 SSD test ran from an OWC Envoy Pro mini SSD																					
* No other tasks were running during these compression tests, except for Numbers (to record results)																					
* The goal in this test was to compare compression speeds and resulting file sizes using common settings. Compression settings were not optimized to create the smallest possible files.																					