

Apple Compressor Speed Tests - YouTube HD720 Default Setting

Type of File	File Name	File Size	Running Time	Codec	Image Size	Compressor 4.1.2 (2013 iMac) Multi-pass - H.264		Compressor 4.2 (2013 iMac) Multi-pass - H.264		Compressor 4.3.1 (2013 iMac) Single Pass - H.264		Compressor 4.4 (2017 iMac) Single Pass - HEVC
						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 [Multi-pass is the default setting.]	File Size (MB)	Time to Compress YouTube HD 720 [Multi-pass is the 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	05:09
QT Movie (Fusion Drive)	Tour	14.87 GB	04:45	ProRes 422 HQ	1920 x 1080	(Not Tested)		(Not Tested)		01:48	360.2	01:51
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	
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	
QT Movie (Fusion Drive)	Craft 01	46.83 GB	37:35	ProRes 4444	1280 x 720	(Not Tested)		(Not Tested)		06:29	1180	05:59
QT Movie (External SSD)	Craft 01	46.83 GB	37:35	ProRes 4444	1280 x 720	(Not Tested)		(Not Tested)		07:19	1180	
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	
NOTES												
* 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.												
* No other tasks were running during these compression tests, except for Numbers (to record results)												
* All source files compressed to 1280 x 720, using the default YouTube HD720 setting. No changes or effects were added to this setting.												
* 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 processor.												
* 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												
* Compressor 4.4 and HEVC compression done on a 2017 27" iMac, 3.8 GHz i5 8 GB RAM running Sierra 10.12.6 AND 10.13.1												

