

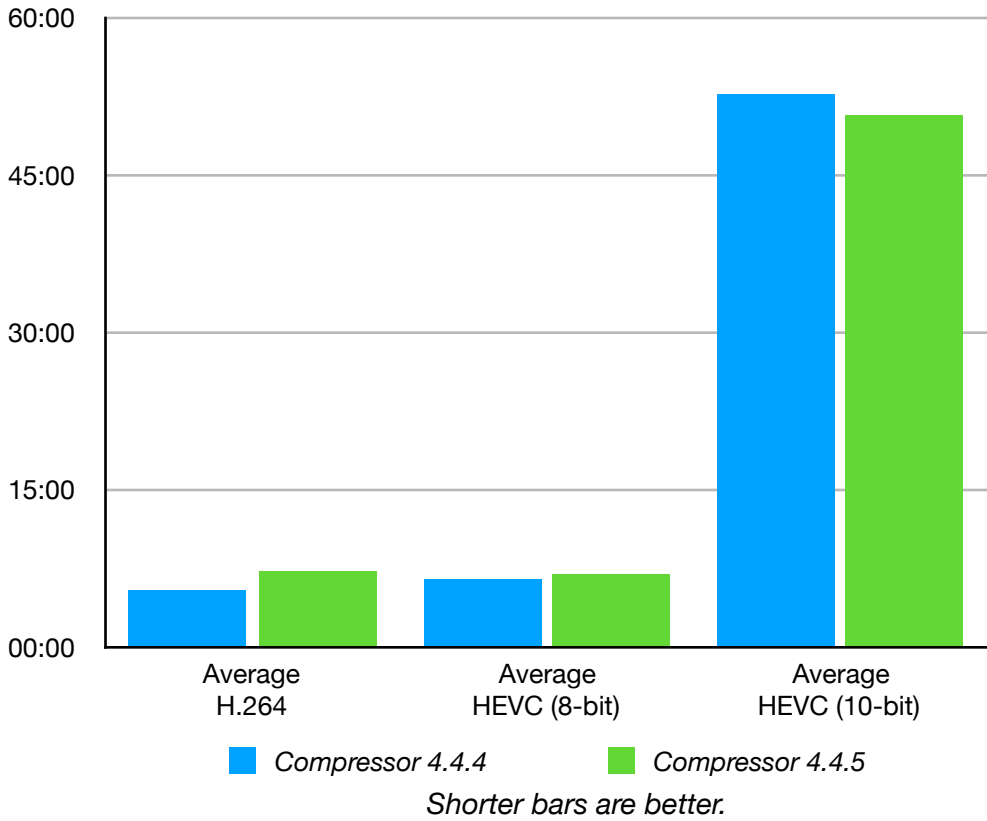
Compression Speed Test - Apple Compressor vs. Adobe Media Encoder

					Software:	Compressor 4.4.4						Compressor 4.4.5						AME 2019					
Type of File	File Name	Source Codec	Source File Size	Running Time	Source Frame Size	Time to Compress YouTube HD 720 default setting (H..264)	File size	Time to Compress YouTube HD 720 default setting (HEVC 8-bit color)	File size	Time to Compress YouTube HD 720 default setting (HEVC 10-bit color)	File size	Time to Compress YouTube HD 720 default setting (H..264)	File size	Time to Compress YouTube HD 720 default setting (HEVC 8-bit color)	File size	Time to Compress YouTube HD 720 default setting (HEVC 10-bit color)	File size	Time to Compress YouTube HD 720 default setting (H..264)	File size	Time to Compress YouTube HD 720 default setting (HEVC 8-bit color)	File size	Time to Compress YouTube HD 720 default setting (HEVC 10-bit color)	File size
QT Movie (Internal Fusion Drive)	2RG ep10	XDCAM EX	2.33 GB	08:58	1280 x 720	03:15	683.6 MB	05:59	504.7 MB	69:33	503.7 MB	05:12	683.5 MB	06:14	504.6 MB	67:31	503.5 MB	02:40	1.06 GB	05:49	274.4	15:26	277.7
QT Movie (Internal Fusion Drive)	Tour	ProRes 422 HQ	14.87 GB	04:45	1920 x 1080	03:16	365.5 MB	02:54	272.8	35:48	265.6 MB	02:44	363.5	03:01	272.8 MB	34:00	265.6	02:28	569.6	03:50	147.1	10:42	152.7
QT Movie (Internal Fusion Drive)	Craft 01	ProRes 4444	46.83 GB	37:35	1280 x 720	09:55	1.39 GB	10:06	1.06 GB	2:26:25 (failed 2X)		13:20	1.38 GB	11:11	1.04 GB	2:32:29 (failed 2X)		08:28	753.6	10:28	471.5	24:10	823.7
NOTES																							
	Computer: 27" 2017 iMac, running macOS Mojave 10.14.6. 3.8 GHz Intel Core i5 40 GB of RAM.																						
	Compressor 4.4.4 was tested with other apps running, which will tend to slow down compression. Compressor 4.4.5 and AME 2018 were tested with no other apps running. This provides the fastest possible compression speed, but may not equal the real-world.																						
	Compressor compresses using a background process. Times will vary depending upon what other applications are running at the same time.																						
	While the speed of source and destination storage will affect compression speed, in all cases the internal SSD drive was used.																						
	The same files and computer were used for all tests. Different computers will show different times, but similar relationships.																						
	HEVC 8-bit uses Faster option in Compressor, Hardware acceleration in AME																						
	HEVC 10-bit is all CPU based, no hardware acceleration																						
	Compressor 4.4.5 and AME 2019 were the only apps running during their test																						
	The 1080 movie was scaled to 720p during compression for all tests.																						

Compression Speed Test: Compressor 4.4.4 vs. 4.4.5

	Average H.264	Average HEVC (8-bit)	Average HEVC (10-bit)	
Compressor 4.4.4	05:29	06:20	52:41	
Compressor 4.4.5	07:05	06:49	50:46	
Difference	29.4%	7.6%	-3.6%	

Compression Speed Test:  
Apple Compressor 4.4.4. vs. Compressor 4.4.5

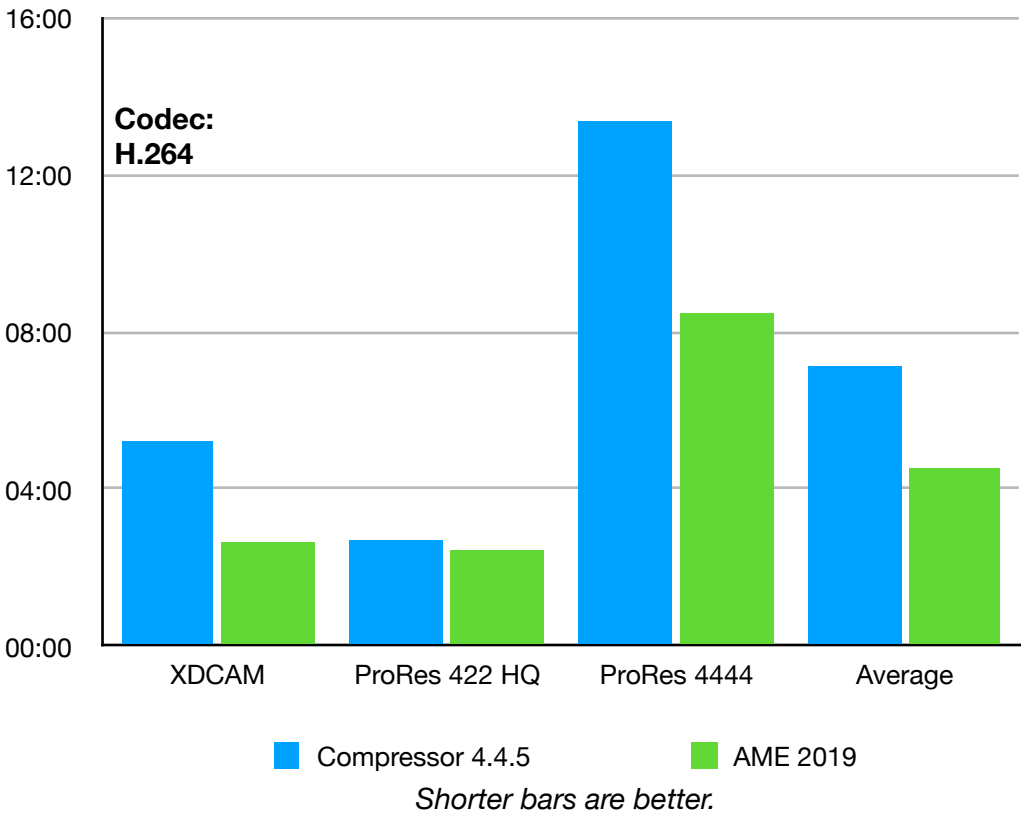


**Note:** Both versions of Compressor failed, twice, to compress the longest movie into HEVC 10-bit.

Compression Speed Test: Compressor 4.4.5 vs. Adobe Media Encoder 2019

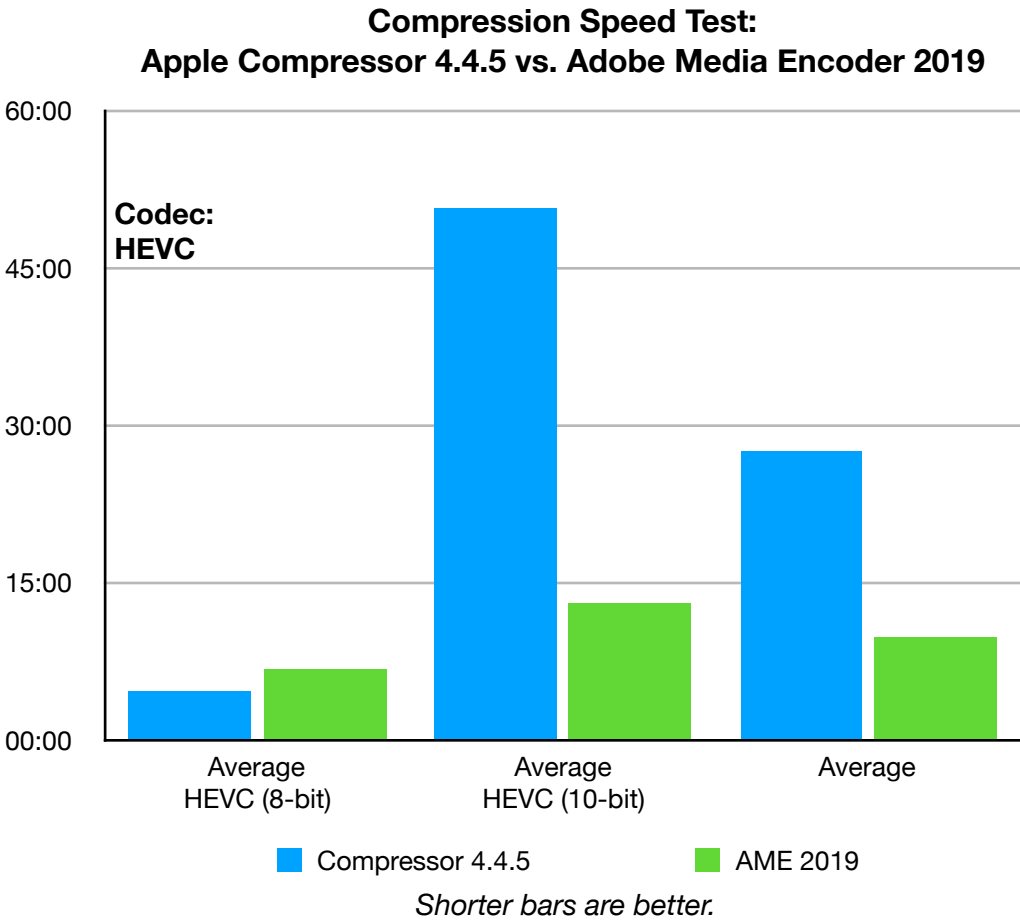
	XDCAM	ProRes 422 HQ	ProRes 4444	Average
Compressor 4.4.5	05:12	02:44	13:20	07:05
AME 2019	02:40	02:28	08:28	04:32
Difference	-49%	-10%	-37%	-36%

Compression Speed Test:  
Apple Compressor 4.4.5 vs. Adobe Media Encoder 2019



Compression Speed Test: Compressor 4.4.5 vs. AME 2019

	Average HEVC (8-bit)	Average HEVC (10-bit)	Average
Compressor 4.4.5	04:38	50:46	27:42
AME 2019	06:42	13:04	09:53
Difference	45%	-74%	-64%



**Note:** Compressor 4.4.5 twice failed to compress the longest movie into HEVC 10-bit after 2.5 hours. AME compressed it in 24 minutes.