

QuickTime Compression Comparison

How to use the QuickTime Compression Comparison

Compression Format	Specifications allowed*
Animation	fps = frames per second
Apple Inter. Codec	mil, thous or 256 = colors (millions, thousands, 256)
Apple Pixlet Video	best, least = quality
Apple VC	hdv = high definition video
BMP	col = color vs. greyscale
Cinepak	MB= file size of video in Mega Bytes**
Component	<i>Example: 29fpsmilbest = Video compressed at 29 frames per second,</i>
DV/DVCPRO	millions of colors, best quality
Graphics	<i>*If a specification is not mentioned, it is not an option offered</i>
H Series	<i>by the compressor</i>
Jpeg	<i>**Comparisons based on a 10 second full quality DV clip (720 x 480 pix)</i>
Motion Jpeg	<i>containing a character, text and motion compressed to 320 x 240 pix.</i>
MPEG-4	
Photo-JPEG	To calculate the approximate size of your video, divide the total length
Planar RGB	of your video (in seconds) by 10 and multiply that number by the
PNG	value in the "Size p/10sec" field of the compression of your choice.
Sorenson	<i>Example: To calculate the size of a 5:00 minute video that will</i>
TGA	be compressed to 4 MB p/10sec.
Tiff	5:00 minutes = 300 seconds
Uncompressed	300 seconds / 10 second segments) = 30 segments
Video	30 X 4 MB p/10sec = 120 MB Total
3G	
	"X" = Good compression and quality
	"X" = Best compression and quality

On a point scale from 10-1	Every point dropped implies a loss
10 = Best	of quality in terms of one or more of the following...
1 = Worst	Color, Pixelation, Visual Clarity, and/or Steadiness

Top 3 Recommended Compressors

	29fpsbest	8fpsleast
MPEG-4		
Size p/10sec	7.1 MB	3.9 MB
Character	10	7.5
Text	10	7
Motion	10	8
Sorenson Video*		
Size p/10sec	6.8 MB	3.5 MB
Character	8.5	7.5
Text	8.5	6
Motion	10	8
Apple VC H.263*		
Size p/10sec	6.7 MB	3.8 MB
Character*	8	7
Text	9	6
Motion	9	7

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Animation	29fpsmilbest	29fpsthousbest	8fpsmilleast	8fpsthousleast
Size p/10sec	76.7 MB	30.5 MB	6.3 MB	4 MB
Character	10	9	3	2
Text	10	10	4	3
Motion	10	9	3	2
Apple Interm. Codec*	29fpshdv1080i	29fpshdv720p	8fps1080i	8fpshdv720p
Size p/10sec	98.8 MB	49.7 MB	27.9 MB	14.7 MB
Character	10	9.5	7	6
Text	10	9.5	6	6
Motion	10	9.5	7	6
*Note - for HD				
Apple Pixlet Video	29fpsbest	8fpsleast		
Size p/10sec	18.4 MB	2.4 MB		
Character	10	1		
Text	10	1		
Motion	10	1		
Apple VC H.263*	29fpsbest	8fpsleast		
Size p/10sec	6.7 MB	3.8 MB		
Character*	8	7		
Text	9	6		
Motion	9	7		
*More Contrast				
BMP	29fpsmilbest	29fps256colbest	8fpsmilleast	8fps256colleast
Size p/10sec	68.3 MB	24 MB	19.7 MB	7.8 MB
Character	10	6	9	2
Text	10	6	9	3
Motion	10	6	9	3
Cinepak	29fpsmilbest	29fps256colbest	8fpsmilleast	8fps256least
Size p/10sec	7.2 MB	7.6 MB	3.6 MB	3.6 MB
Character	7	4	5	2
Text	8	4	3	2
Motion	8	3	4	2
Component	29fps	8fps		
Size p/10sec	46.1 MB	13.7 MB		
Character	10	8		
Text	10	9		
Motion	10	9		
DV/DVCPRO - NTSC	29fpsbest	8fpsleast		
Size p/10sec	36.4 MB	11.1 MB		
Character	9	8		
Text	10	7		
Motion	10	8		

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DVC PRO 50 - NTSC	29fpsbest	8fpsleast
Size p/10sec	71 MB	20.4 MB
Character	9	8
Text	10	6
Motion	10	8
Graphics	29fpsbest	8fpsleast
Size p/10sec	12.6 MB	4.8 MB
Character	7	4
Text	9	4
Motion	8	5
H.261	29fpsbest	8fpsleast
Size p/10sec	6.8 MB	4.2 MB
Character	9	7
Text	9	6
Motion	9	7
H.263	29fpsbest	8fpsleast
Size p/10sec	6.6 MB	2.1 MB
Character	9	1
Text	10	3
Motion	10	2
H.264	29fpsbest	8fpsleast
Size p/10sec	6.1 MB	1.9 MB
Character	9.5	1
Text	10	3
Motion	10	1
JPEG 2000	29fpsmilbest	8fpsmilleast
Size p/10sec	28 MB	2.1 MB
Character	9 (slow)	1
Text	10	2
Motion	10	3
Motion JPEG A	29fpsbest	8fpsleast
Size p/10sec	25 MB	2.5 Mb
Character	10	2
Text	10	2
Motion	10	2
Motion JPEG B	29fpsbest	8fpsleast
Size p/10sec	24.9 Mb	2.4 MB
Character	10	2
Text	10	2
Motion	10	2

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MPEG-4	29fpsbest	8fpsleast		
Size p/10sec	7.1 MB	3.9 MB		
Character	10	7.5		
Text	10	7		
Motion	10	8		
None	29fpsmilbest	29fpshousbest	8fpsmilleast	8fpsthousleast
Size p/10sec	90.3 MB	46.1 MB	25.6 MB	13.7 MB
Character	10	9.5	8	8
Text	10	10	6	6
Motion	10	10	9	8
Photo - JPEG*	29fpscolbest	8fpscolleast		
Size p/10sec	30.8 MB	2.4 MB		
Character	9	4		
Text	8	5		
Motion	9	5		
*Slightly Darker				
Planar RGB	29fpsmilbest	29fps256best	8fpsmilleast	8fps256least
Size p/10sec	67.2 MB	23.2 MB	19.5 MB	7.3 MB
Character	9	7	8	3
Text	8.5	8	7	4
Motion	9	8	8	3
PNG	29fpsmil	8fpsmil	29fps256	8fps256
Size p/10sec	43.3 MB	13.1 MB	10.3 MB	4.1 MB
Character	9.5	9	7	6
Text	10	7.5	8	6
Motion	10	9	6	6
Sorenson Video*	29fpsbest	8fpsleast		
Size p/10sec	6.8 MB	3.5 MB		
Character	8.5	7.5		
Text	8.5	6		
Motion	10	8		
*Saturated Color				
Sorenson Video 3	29fpsbest	8fpsleast		
Size p/10sec	8.9 MB	4.4 MB		
Character	9	8		
Text	9	6.5		
Motion	10	8.5		
TGA	29fpsmilbest	29fpsthousbest	29fps256best	
Size p/10sec	88.1 MB	34.4 MB	23.3 MB	
Character	9.5	9	7	
Text	10	10	9	
Motion	10	9	7	

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TGA (continued)	8fpsmilleast	8fpsthousleast	8fps256least
Size p/10sec	25.1 MB	10.6 MB	7.3 MB
Character	8.5	8	3
Text	7	7	3
Motion	8.5	8	3
TIFF	29fpsmil	8fps256col	
Size p/10sec	89.4 MB	7.4 MB	
Character	9.5	3	
Text	10	3	
Motion	10	3	
Uncompressed 8-Bit	29fps	8fps	
Size p/10sec	46.1 MB	13.7 MB	
Character	9	8	
Text	9	7	
Motion	9	8	
Uncompressed 10-Bit	29fps	8fps	
Size p/10sec	63.8 MB	18.5 MB	
Character	9.5	8	
Text	9	7	
Motion	10	9	
Video	29fpsbest	8fpsleast	
Size p/10sec	16.8 MB	2.6 MB	
Character	8	2	
Text	9	3	
Motion	8	1	
Other Formats			
3G*	29fps	8fps	
Size p/10sec	124 KB (.124 MB)	120 KB (.12 KB)	
Character	2	2.5	
Text	1.5	1.5	
Motion	1	1	
*Good for emailing video clips			
Flash2	flashvideo		
Size p/10sec	686 KB (.696 MB)		
Character			
Text			
Motion			