

COMPARISON GUIDE COMPRESSION FORMATS AT A GLANCE

	Grass Valley HQX	Apple ProRes	Avid DNxHD	Sequential Still Image	Uncompressed	H.264/H.265
Frame Resolution						
SD	Y	Y	Y	Y	Y	Y
HD	Y	Y	Y	Y	Y	Y
4K (Ultra HD)	Y	Y	N	Y	Y	Y
8K	Y	Y	N	Y	Y	Y (H.265)
Wrapper						
AVI	Y	N	N	N/A	Y	N
QuickTime	Y	Y	Y	N/A	Y	Y
Platform						
Windows	Y	Decode only	Y	Y	Y	Y
Macintosh	Y	Y	Y	Y	Y	Y
Other						
Alpha Channel	Y	Y	Y	Y	Y	N
Non-video Frame Size	Y	Y	N	Y	Y	Y
DirectShow	Y	N	N	N/A	Y	Y
File Handling						
Data Size (relative)	Medium	Medium	Medium	Big > Huge	Huge	Small
File Handling (relative)	Good	Good	Good	Hard	Very Hard	Very Good
Number of files	One	One	One	A lot	One	One
Quality (over multiple generations)	Very Good	Very Good	Very Good	Very Good	Perfect	Poor
Encoding/Decoding						
Encoder	Free	Need FCPX (US\$299)	Free	Free	Free	License Fee
Decoder	Free	Free	Free	Free	Free	License Fee
Main Purpose						
Purpose	VFX, Video Editing	VFX, Video Editing	VFX, Video Editing	VFX	VFX	Camera – High bitrate, Broadcasting – Low bitrate

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