









File format	Codec	Episode	Episode Pro	Episode Engine	Comment
Adaptive bitrate streaming					
Microsoft Smooth Streaming	H.264 (AAC audio)			OUT	Requires Episode Developer API Kit
Apple HLS	H.264 (AAC audio)			OUT	Requires Episode Developer API Kit
Windows Media 					
WMV, ASF	VC-1	OUT	OUT	OUT	
	WM9	IN/OUT	IN/OUT	IN/OUT	WMV7 and 8 through F4M component on Mac
	WMA	IN/OUT	IN/OUT	IN/OUT	
	WMA Pro	IN/OUT	IN/OUT	IN/OUT	
Flash 					
FLV	Flash 8 (VP6s/VP6e)	IN/OUT	IN/OUT	IN/OUT	
SWF	Flash 8 (VP6s/VP6e)	IN/OUT	IN/OUT	IN/OUT	
MOV/MP4/F4V	Flash 9 (H.264)	IN/OUT	IN/OUT	IN/OUT	F4V as extension to MP4
WebM 					
WebM	VP8	OUT	OUT	OUT	
	Vorbis	OUT	OUT	OUT	
3GPP 					
3GPP	AAC	IN/OUT	IN/OUT	IN/OUT	
	H.263	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
3GPP2					
3GPP2	AAC	IN/OUT	IN/OUT	IN/OUT	
	H.263	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
MPEG Elementary Streams					
MPEG-1 Elementary Stream	MPEG-1 (video)	IN/OUT	IN/OUT	IN/OUT	
MPEG-2 Elementary Stream	MPEG-2	IN/OUT	IN/OUT	IN/OUT	
MPEG Program Streams					
PS	AAC	OUT	OUT	OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-1/2 (audio)	IN/OUT	IN/OUT	IN/OUT	
	MPEG-2	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
MPEG Transport Streams					
TS	AAC	IN	OUT	OUT	
	AES	IN	IN/OUT	IN/OUT	
	H.264	IN	IN/OUT	IN/OUT	
	AVCHD	IN	IN	IN	
	HDV	IN	IN/OUT	IN/OUT	
	MPEG-1/2 (audio)	IN	IN/OUT	IN/OUT	
	MPEG-2	IN	IN/OUT	IN/OUT	
	MPEG-4	IN	IN/OUT	IN/OUT	
	PCM	IN	IN	IN	
Matrox MAX	H.264	IN/OUT	IN/OUT	IN/OUT	QT codec (*output possible via QT), Requires Matrox MAX hardware - MacOSX only
MPEG System Streams					
M1A	MPEG-1 (audio)	IN/OUT	IN/OUT	IN/OUT	
M1V	MPEG-1 (video)	IN/OUT	IN/OUT	IN/OUT	
MPEG-4					
MP4	AAC	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
iTunes video  (iPod, iPhone, Apple TV)					
M4V	AAC	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
iTunes audio  (iPod, iPhone, Apple TV)					
M4A	AAC	IN/OUT	IN/OUT	IN/OUT	
MPEG-4 PSP 					
MP4	AAC	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	

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QuickTime 					
<i>Note: Quicktime codec support is platform dependent, all codecs may not be supported on both operating systems. Please consult QuickTime or Apple for individual codec support.</i>					
MOV	AAC	IN/OUT	IN/OUT	IN/OUT	
	Animation	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Apple Component	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Apple GSM 10:1	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Apple Intermed. Form.	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Apple Lossless	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Apple ProRes	IN/OUT	IN/OUT	IN/OUT	QT codec (encoding available on all Mac versions, and on Episode Engine for Windows on Windows Server 2008)
	Apple Uncompressed	IN/OUT	IN/OUT	IN/OUT	
	Apple Video	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	AVC-Intra 50	IN	IN/OUT	IN/OUT	
	AVC-Intra 100	IN	IN/OUT	IN/OUT	
	Avid	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party QT codec
	Avid DNxHD	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party QT codec
	Avid DV	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party QT codec
	Avid Meridian	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party QT codec
	Blackmagic 8 & 10-bit	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party QT codec
	Cinepak	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	DV25	IN/OUT	IN/OUT	IN/OUT	
	DVCPRO25	IN/OUT	IN/OUT	IN/OUT	FCP codec (output possible via QT)
	DVCPRO50	IN/OUT	IN/OUT	IN/OUT	FCP codec (output possible via QT)
	DVCPRO HD	IN/OUT	IN/OUT	IN/OUT	FCP codec (output possible via QT)
	H.261	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	H.263	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	QT codec for input (not High profile)
	HDV	IN	IN/OUT	IN/OUT	
	ttIMA	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	IMX	IN	IN/OUT	IN/OUT	
	Matrox Max H.264	OUT	OUT	OUT	Mac OS only
	MJPEG A/B	IN	IN/OUT	IN/OUT	
	MP3	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
	Mace 3:1	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Mace 6:1	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Media 100	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party (output possible via QT)
	PCM	IN/OUT	IN/OUT	IN/OUT	
	Pixlet	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	Qdesign	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)
	RAW	IN/OUT	IN/OUT	IN/OUT	
	RED	IN	IN	IN	Requires 3rd party QT codec, 2K only
	Sheer Video	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party (output possible via QT)
Sorenson Video 1	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)	
Sorenson Video 2	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)	
Sorenson Video 3	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)	
Targa Cine YUV	IN	IN/OUT	IN/OUT	(a.k.a. Cinewave)	
XDCAM	IN	IN/OUT	IN/OUT		
XDCAM HD	IN	IN/OUT	IN/OUT		
XDCAM HD 422	IN	IN/OUT	IN/OUT		
XDCAM EX	IN	IN/OUT	IN/OUT		
YCbCr	IN	IN/OUT	IN/OUT		
aLaw 2:1	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)	
uLaw 2:1	IN/OUT	IN/OUT	IN/OUT	QT codec (output possible via QT)	
QT Reference Files	Same codecs as QT				QT codec (*output possible via QT), Requires Matrox MAX hardware - MacOSX only
Matrox MAX	H.264	IN/OUT	IN/OUT	IN/OUT	QT codec (*output possible via QT), Requires Matrox MAX hardware - MacOSX only
AVI					
AVI	DV25	IN/OUT	IN/OUT	IN/OUT	
	DVCPRO25	IN	IN/OUT	IN/OUT	
	DVCPRO50	IN	IN/OUT	IN/OUT	
	DivX	IN	IN	IN	Requires 3rd party QT plugin
	MJPEG A/B	IN	IN/OUT	IN/OUT	
	MP3	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party QT plugin
	PCM	IN/OUT	IN/OUT	IN/OUT	
	Windows RAW (RGB)	IN	IN/OUT	IN/OUT	
	Xvid	IN/OUT	IN/OUT	IN/OUT	Requires 3rd party QT plugin
	YCbCr	IN	IN/OUT	IN/OUT	

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DV					
DV	DV25	IN/OUT	IN/OUT	IN/OUT	
	DVCPRO25	IN	IN/OUT	IN/OUT	
	DVCPRO50	IN	IN/OUT	IN/OUT	
GXF - GrassValley K2 SD & HD					
GXF	MPEG-2	IN	IN/OUT	IN/OUT	
	MPEG-2 HD	IN	IN/OUT	IN/OUT	Up to 100 MBit
	PCM	IN	IN/OUT	IN/OUT	
MXF					
Sony XDCAM SD	IMX (D10)	IN	IN/OUT	IN/OUT	30,40,50 Mbps. Compatible with Harris/Leitch Nexio, Avid, 360 Systems
Sony XDCAM HD	XDCAM HD	IN	IN/OUT	IN/OUT	Compatible with Avid
Sony XDCAM HD 422	XDCAM HD 422	IN	IN/OUT	IN/OUT	Compatible with Avid
Sony XDCAM EX	XDCAM EX	IN	IN/OUT	IN/OUT	Compatible with Avid
Sony XDCAM MPEG-4 Proxy	MPEG-4	IN	IN	IN	
	AVC-Intra 50	IN	IN/OUT	IN/OUT	
	AVC-Intra 100	IN	IN/OUT	IN/OUT	
MXF OP1a	DV25	IN	IN/OUT	IN/OUT	
	DVCPRO25	IN	IN/OUT	IN/OUT	
	DVCPRO50	IN	IN/OUT	IN/OUT	
	IMX	IN	IN/OUT	IN/OUT	30,40,50 Mbps. Compatible with Omneon
	MPEG-2 ES	IN	IN/OUT	IN/OUT	
	AES	IN	IN/OUT	IN/OUT	
	BWF	IN	IN/OUT	IN/OUT	Compatible with Omneon
	DVCPRO HD	IN	IN/OUT	IN/OUT	Requires 3rd party QT plugin
	DNxHD		OUT	OUT	Requires 3rd party QT plugin
	AVC-Intra 50	IN	IN/OUT	IN/OUT	
	AVC-Intra 100	IN	IN/OUT	IN/OUT	
MXF OPAtom	DV25		OUT	OUT	
	DVCPRO25		OUT	OUT	
	DVCPRO50		OUT	OUT	
	MPEG-2 ES		OUT	OUT	
	AES		OUT	OUT	
	BWF		OUT	OUT	
	DVCPRO HD		OUT	OUT	Requires 3rd party QT plugin
	DNxHD		OUT	OUT	Requires 3rd party QT plugin
Image Sequences					
DPX Sequence	8-bit	IN	IN	IN	Requires Episode Developer API Kit
	10-bit	IN	IN	IN	Requires Episode Developer API Kit
	12-bit	IN	IN	IN	Requires Episode Developer API Kit
TGA Sequence	24bit+alpha	IN	IN	IN	Requires Episode Developer API Kit
TIFF Sequence	8-bit	IN	IN	IN	Requires Episode Developer API Kit
	16-bit	IN	IN	IN	Requires Episode Developer API Kit
JPEG Sequence	RGB 32-bit	IN	IN	IN	Requires Episode Developer API Kit
PNG Sequence	RGB 24-bit	IN	IN	IN	Requires Episode Developer API Kit
Audio only					
AIFF	PCM	IN/OUT	IN/OUT	IN/OUT	
MP3	MP3	IN/OUT	IN/OUT	IN/OUT	
WAV	PCM	IN/OUT	IN/OUT	IN/OUT	BWF header support included
OGG	Vorbis	OUT	OUT	OUT	
ADTS	AAC	IN/OUT	IN/OUT	IN/OUT	

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Pro Audio Option					
	AMR NB	IN/OUT	IN/OUT	IN/OUT	
	Dolby AAC-HE	IN/OUT	IN/OUT	IN/OUT	
	Dolby AAC-LC	IN/OUT	IN/OUT	IN/OUT	
	Dolby AC-3	IN/OUT	IN/OUT	IN/OUT	

Features	Episode	Episode Pro	Episode Engine	Comments
Extensive format support up to HD resolutions for new media, web, postproduction, DVD/Blu-ray and more	X	X	X	MPEG-1/-2/-4, WMV9, VC-1, DV, WebM, 3GPP/3GPP2, M4A, MOV, ProRes*, other QuickTime codecs, and more. Optimized Flash 8+9 support.
Graphical workflow builder	X	X	X	Drag-and-drop interface makes building encoding workflows simple.
One-Click Clustering with built-in file sharing	X	X	X	Allows any computer on the network, Mac or PC, to automatically join a transcoding cluster, with simply a click, for maximum flexibility and full scalability
Monitors	X	X	X	Monitor local, network, or FTP folders for fully automated workflows
Automatic file deployment	X	X	X	Automatically deliver encoded files to local folders, network shares, FTP servers, and YouTube
Command Line Interface	X	X	X	Enabling custom integrations
XML-RPC interface	X	X	X	Enabling control over IP networks
Full 4:2:2:4 and 4:2:0 support, 10 bit 4:4:4:4 for pro formats	X	X	X	For optimized picture quality
Choose from many professional templates or flexible custom settings	X	X	X	Full set of pre-built settings templates for ease-of-use. No compression knowledge needed.
Support for up to 24 audio channels	X	X	X	Channel mapping filter for 24 channels included
Fully configurable advanced preprocessing filters	X	X	X	Video: black and white restoration, HSV and gamma correction, noise removal, image sharpening. Audio: Including normalize, balance, fade in/out
Powerful preview	X	X	X	Before/after comparison
Bumpers and trailers	X	X	X	Add intro and outro movies to your content
Picture-in-Picture	X	X	X	Add a picture, animation or a movie as a watermark
2-pass encoding	X	X	X	For maximum quality (H.264, WMV, MPEG2/4, H.263)
Support for metadata	X	X	X	Add copyright and file info
Closed captions	X	X	X	Pass-through of EIA-608 and eIA-708 in AC-3, SCTE-20 and VBI in-band Close Captions when encoding MPEG-2 video; conversion of NTSC-CC types including VBI in-band to EIA-608 or SCTE-20
Support for alpha channels	X	X	X	Transparency, blue/green screen and Flash encoding
Advanced standard conversions	X	X	X	Comparable to hardware
Advanced deinterlace filters	X	X	X	Produce the best possible progressive output even when the source material has been edited and cut
Full field order handling	X	X	X	Change field dominance
Hinting (streaming)	X	X	X	According to IETF, ISMA and 3GPP
Automatic input format detection	X	X	X	Video codec, audio codec, color sampling, frame rate, pixel aspect, audio sampling
Resizing and resampling algorithms	X	X	X	Give the best quality for small-screen, low-bandwidth display devices and when upscaling from SD to HD
Frame-rate conversion	X	X	X	NTSC to/from PAL; 3:2 pulldown, 2:3 pulldown
Inverse telecine	X	X	X	Even when the source material has been edited and cut
Transcode while ingest	X	X	X	With Telestream Pipeline
Unlimited batch processing	X	X	X	Prioritize encoding and add files and settings to the batch while running; create bookmarks to source folders.
Support for surround sound encoding 5.1, 7.1	X	X	X	Transport Streams, and more
Parallel encoding, number of jobs:	1	2	Unlimited	Speeds up encoding by allowing multiple jobs to be processed in parallel
Professional format support		X	X	MXF, GXF, IMX, AVC-Intra, MPEG-2/-4 Transport Streams, and more
Split-and-Stitch® distributed encoding			X	Enables distributed and segmented encoding
Pro Audio option	X	X	X	Separate purchase option that adds support for Dolby ACE, AAC-HE, AAC-LC, and AMR audio codecs
EDL conforming			X	
Episode Developer API Kit Option			Optional	Enables distributed and segmented encoding

* ProRes encoding supported on all Mac versions and on Episode Engine for Windows on Windows Server 2008.

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March 2012

