









File format	Codec	Episode	Episode Pro	Episode Engine	Comment
<b>Adaptive bitrate streaming</b>					
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
<b>Windows Media </b>					
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	
<b>Flash </b>					
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
<b>WebM </b>					
WebM	VP8	OUT	OUT	OUT	
	Vorbis	OUT	OUT	OUT	
<b>3GPP </b>					
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	
<b>3GPP2</b>					
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	
<b>MPEG Elementary Streams</b>					
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	
<b>MPEG Program Streams</b>					
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	
<b>MPEG Transport Streams</b>					
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
<b>MPEG System Streams</b>					
M1A	MPEG-1 (audio)	IN/OUT	IN/OUT	IN/OUT	
M1V	MPEG-1 (video)	IN/OUT	IN/OUT	IN/OUT	
<b>MPEG-4</b>					
MP4	AAC	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
<b>iTunes video  (iPod, iPhone, Apple TV)</b>					
M4V	AAC	IN/OUT	IN/OUT	IN/OUT	
	H.264	IN/OUT	IN/OUT	IN/OUT	
	MPEG-4	IN/OUT	IN/OUT	IN/OUT	
<b>iTunes audio  (iPod, iPhone, Apple TV)</b>					
M4A	AAC	IN/OUT	IN/OUT	IN/OUT	
<b>MPEG-4 PSP </b>					
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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<b>QuickTime</b> 					
<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>					
<b>MOV</b>	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				
Matrox MAX	H.264	IN/OUT	IN/OUT	IN/OUT	QT codec (*output possible via QT), Requires Matrox MAX hardware - MacOSX only
<b>AVI</b>					
<b>AVI</b>	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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<b>DV</b>					
DV	DV25	IN/OUT	IN/OUT	IN/OUT	
	DVCPRO25	IN	IN/OUT	IN/OUT	
	DVCPRO50	IN	IN/OUT	IN/OUT	
<b>GXF - GrassValley K2 SD &amp; HD</b>					
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	
<b>MXF</b>					
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	
	JPEG2000	IN	IN	IN	
	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 OPAAtom	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
<b>Image Sequences</b>					
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
<b>Audio only</b>					
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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<b>Pro Audio Option</b>					
	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	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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