

Episode 7.1 and later

Format Support

FILE FORMAT	CODEC	Episode	Episode Pro	Episode Engine	COMMENTS
Adaptive bitrate streaming					
Microsoft Smooth Streaming	H.264 (AAC audio)		0	0	
Apple HLS	H.264 (AAC audio)		0	0	
MPEG-DASH	H.264 (AAC audio)		0	0	
Windows Media					
WMV, ASF	VC-1	0	0	0	
	WM9	I/O	I/O	I/O	WMV7 and 8 through F4M component on Mac
	WMA	I/O	I/O	I/O	
	WMA Pro	I/O	I/O	I/O	
Flash					
MOV/MP4/F4V	Flash 9 (H.264)	I/O	I/O	I/O	F4V as extension to MP4
WebM					
WebM	VP9, VP8	0	0	0	
3GPP					
3GPP	AAC	I/O	I/O	I/O	
	H.263	I/O	I/O	I/O	
	H.264	I/O	I/O	I/O	MainConcept and x264
	MPEG-4	I/O	I/O	I/O	
	AMR	I/O	I/O	I/O	
	HE-AAC	I/O	I/O	I/O	
3GPP2					
3GPP2	AAC	I/O	I/O	I/O	
	H.263	I/O	I/O	I/O	
	H.264	I/O	I/O	I/O	MainConcept and x264
	MPEG-4	I/O	I/O	I/O	
	AMR	I/O	I/O	I/O	
	HE-AAC	I/O	I/O	I/O	
	EZ Movie	I/O	I/O	I/O	
MPEG Elementary Streams					
MPEG-1 Elementary Stream	MPEG-1 (video)	I/O	I/O	I/O	
MPEG-2 Elementary Stream	MPEG-2	I/O	I/O	I/O	
MPEG Program Streams					
PS	AAC	0	0	0	MainConcept and x264
	H.264	I/O	I/O	I/O	
	MPEG-1/2 (audio)	I/O	I/O	I/O	
	MPEG-2	I/O	I/O	I/O	
	MPEG-4	I/O	I/O	I/O	
	AC3 / ATSC A-52	I/O	I/O	I/O	
MPEG Transport Streams					
TS	AAC	I	0	0	
	AES	I	I/O	I/O	
	H.264	I	I/O	I/O	MainConcept and x264
	AVCHD	I	I	I	
	HDV	I	I/O	I/O	
	MPEG - 1/2 (audio)	I	I/O	I/O	
	MPEG - 2	I	I/O	I/O	
	MPEG - 4	I	I/O	I/O	
	PCM	I	I	I	
	AC3 / ATSC A-52	I/O	I/O	I/O	

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MPEG System Streams (con'td)					
M1A	MPEG-1 (audio)	I/O	I/O	I/O	
M1V	MPEG-1 (audio)	I/O	I/O	I/O	
MPEG-4					
MP4	AAC	I/O	I/O	I/O	
	H.264	I/O	I/O	I/O	Main Concept and x264
	MPEG-4	I/O	I/O	I/O	
	HEVC	I/O	I/O	I/O	
	XAVC	I/O	I/O	I/O	
iTunes video (iPod, iPhone, Apple TV)					
M4V	AAC	I/O	I/O	I/O	
	H.264	I/O	I/O	I/O	Main Concept and x264
	MPEG-4	I/O	I/O	I/O	
iTunes audio (iPod, iPhone, Apple TV)					
M4A	AAC	I/O	I/O	I/O	
MPEG-4 PSP					
MP4	AAC	I/O	I/O	I/O	
	H.264	I/O	I/O	I/O	Main Concept and x264
	MPEG-4	I/O	I/O	I/O	
	HEVC	I/O	I/O	I/O	
	XAVC	I/O	I/O	I/O	
QuickTime*					
MOV	AAC	I/O	I/O	I/O	
	AMR	I/O	I/O	I/O	
	Animation	I	I	I	
	Apple ProRes	I/O	I/O	I/O	Encoding available on all Mac versions, and on Episode Engine for Windows on Windows Server 2012
	Apple uncompressed	I	I	I	
	AVC-Intra 50	I	I/O	I/O	
	AVC-Intra 100	I	I/O	I/O	
	Avid DNxHD® codec	I	I/O	I/O	
	Avid DNxHR® codec	I	I/O	I/O	
	Blackmagic	I	I/O	I/O	
	DV25	I/O	I/O	I/O	
	DVCPRO25	I/O	I/O	I/O	
	DVCPRO50	I/O	I/O	I/O	
	DVCPRO HD	I/O	I/O	I/O	
	H.263	I/O	I/O	I/O	
	H.264	I/O	I/O	I/O	Main Concept and x264
	HEVC (x265)	I/O	I/O	I/O	
	HDV	I	I/O	I/O	
	IMX	I	I/O	I/O	
	JPEG2000	I	I/O	I/O	
	MJPEG A/B	I/O	I/O	I/O	
	MP3	I/O	I/O	I/O	
	MPEG-4	I/O	I/O	I/O	
	PCM	I/O	I/O	I/O	

*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.

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QuickTime (cont'd)					
RAW		I/O	I/O	I/O	
	Targa Cine YUV	I	I/O	I/O	(a.k.a. Cinewave)
	XDCAM	I	I/O	I/O	
	XDCAM HD	I	I/O	I/O	
	XDCAM HD 422	I	I/O	I/O	
	XDCAM EX	I	I/O	I/O	
	YCbCr	I	I/O	I/O	
AVI					
AVI	DV25	I/O	I/O	I/O	
	DVCPRO25	I	I/O	I/O	
	DVCPRO50	I	I/O	I/O	
	MJPEG A/B	I	I/O	I/O	
	PCM	I/O	I/O	I/O	
	Windows RAW (RGB)	I	I/O	I/O	
	YCbCr	I	I/O	I/O	
	MP3	I/O	I/O	I/O	
DV					
DV	DV25	I/O	I/O	I/O	
	DVCPRO25	I/O	I/O	I/O	
	DVCPRO50	I/O	I/O	I/O	
GXF - Grass Valley K2 SD & HD					
GXF	MPEG-2	I	I/O	I/O	
	MPEG-2 HD	I	I/O	I/O	Up to 100 MBit
	PCM	I	I/O	I/O	
MXF					
Sony XAVC	XAVC	I	I/O	I/O	
Sony XDCAM SD	IMX (D10)	I	I/O	I/O	30, 40, 50 Mbps. Compatible with Harris/Leitch Nexio, Avid, 360 Systems
Sony XDCAM HD	XDCAM HD	I	I/O	I/O	Compatible with Avid
Sony XDCAM HD 422	HDCAM HD 422	I	I/O	I/O	Compatible with Avid
Sony XDCAM EX	XDCAM EX	I	I/O	I/O	Compatible with Avid
MXF OP1a	DV25	I	I/O	I/O	
	XAVC	I	I/O	I/O	
	DVCPRO25	I	I/O	I/O	
	DVCPRO50	I	I/O	I/O	
	IMX	I	I/O	I/O	30,40,50 Mbps.
	MPEG-2 ES	I	I/O	I/O	
	AES	I	I/O	I/O	
	BWF	I	I/O	I/O	Compatible with Omneon
	DVCPRO HD	I	I/O	I/O	
	Avid DNxHD® codec		O	O	
	AVC-Intra 50	I	I/O	I/O	
	AVC-Intra 100	I	I/O	I/O	
	H.264	I/O	I/O	I/O	
	JPEG2000	I/O	I/O	I/O	
	XDCAM HD	I/O	I/O	I/O	
	PCM	I/O	I/O	I/O	

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MXF AS-11	AVC-Intra 50, 100	I	I/O	I/O	Does not support AS-11 metadata standard
	IMX (D10)	I	I/O	I/O	Does not support AS-11 metadata standard
	Pass-Through	I	I/O	I/O	Does not support AS-11 metadata standard
	AES	I	I/O	I/O	Does not support AS-11 metadata standard
MXF OPAtom	DV25		O	O	
	DVCPRO25		O	O	
	DVCPRO50		O	O	
	MPEG-2 ES		O	O	
	AES		O	O	
	BWF		O	O	
	DVCPRO HD		O	O	
	Avid DNxHD® codec		O	O	
	IMX	I/O	I/O	I/O	
	PCM	I/O	I/O	I/O	
XDCAM HD	I/O	I/O	I/O		
Image Sequences					
DPX Sequence	8-bit		I	I	
	10-bit		I	I	
	12-bit		I	I	
TGA Sequence	24bit+alpha		I	I	
TIFF Sequence	8-bit		I	I	
	16-bit		I	I	
JPEG Sequence	RGB 32-bit		I	I	
Audio Only					
AIFF	PCM	I/O	I/O	I/O	
MP3	MP3	I/O	I/O	I/O	
WAV	PCM	I/O	I/O	I/O	BWF header support included
OGG	Vorbis	O	O	O	
ADTS	AAC	I/O	I/O	I/O	
Pro Audio Option					
	AMR NB	O	O	O	
	Dolby AAC-HE	I/O	I/O	I/O	
	Dolby AAC-LC	I/O	I/O	I/O	
	Dolby AC-3	I/O	I/O	I/O	

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FEATURES	Episode	Episode Pro	Episode Engine	COMMENTS
Extensive format support up to super high resolution HD resolutions for new media, web, post-production, DVD/Blu-ray and more	■	■	■	HEVC, XAVC, MPEG-1/-2/-4, WMV9, VC-1, DV, WebM, 3GPP/3GPP2, M4A, MOV, ProRes*, 4K. Optimized Flash 9 support
Professional video format support		■	■	Avid DNxHD, Avid DNxHR and JPEG2000 support.
Graphical workflow builder	■	■	■	Drag-and-drop interface makes building encoding workflows simple
One-Click Clustering with built-in file sharing	■	■	■	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
Autodesk Smoke & Flame integration	■	■	■	Browse and monitor Autodesk file systems via Wiretap API
Adobe Premiere Pro plugin	■	■	■	Send files for transcoding from Premiere Pro
Monitors	■	■	■	Monitor local, network, or FTP folders for fully automated workflows
Automatic file deployment	■	■	■	Automatically deliver encoded files to local folders, network shares, FTP servers, and YouTube
Command Line Interface	■	■	■	Enabling custom integrations
JSON-RPC, XML-RPC interface	■	■	■	Enabling control over IP networks
Full 4:2:2:4 and 4:2:0 support, 10 bit 4:4:4:4 for pro formats	■	■	■	For optimized picture quality
Choose from many professional templates or flexible custom settings	■	■	■	Full set of pre-built settings templates for ease-of-use. No compression knowledge needed
Support for up to 24 channels of audio	■	■	■	Channel mapping filter for 24 channels included
Fully configurable advanced preprocessing filters	■	■	■	Video: black and white restoration, HSV and gamma correction, noise removal, image sharpening. Audio: Including normalize, balance fade in/out
Bumpers and trailers	■	■	■	Add intro and outro movies to your content
Picture-in-Picture	■	■	■	Add a picture, animation or a movie as a watermark
2-pass encoding	■	■	■	For maximum quality (H.264, WMV, MPEG2/4, H.263)
Support for metadata	■	■	■	Add copyright and file info
Closed captions	■	■	■	Import and Pass-through of CEA-608 and CEA-708 in ATSC A/53, SCTE-20 and VBI in-band Close Captions when encoding MPEG-2 video; conversion of NTSC-CC types including VBI in-band to CEA-608 or SCTE-20. H.264 and MXF captions
Support for .SCC and .MCC closed caption files	■	■	■	
Support for alpha channels	■	■	■	Transparency, blue/green screen and Flash encoding
Advanced standard conversions	■	■	■	Comparable to hardware
Advanced deinterlace filters	■	■	■	Produce the best possible progressive output even when the source material has been edited and cut
Full field order handling	■	■	■	Change field dominance
Hinting (streaming)	■	■	■	According to IETF, ISMA and 3GPP
Automatic input format detection	■	■	■	Video codec, audio codec, color sampling, frame rate, pixel aspect, audio sampling
Resizing and resampling algorithms	■	■	■	Give the best quality for small-screen, low-bandwidth display devices and when upscaling from SD to HD and 4K
Frame-rate conversion	■	■	■	NTSC to/from PAL; 3:2 pulldown, 2:3 pulldown
Inverse telecine	■	■	■	Even when the source material has been edited and cut
Transcode while ingest	■	■	■	
Unlimited batch processing	■	■	■	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	■	■	■	Transport Streams and more
Parallel encoding, number of jobs:	1	2	**	Speeds up encoding by allowing multiple jobs to be processed in parallel
Professional format support		■	■	MXF, GXF, IMX, AVC-Intra, MPEG-2/-4 Transport Streams, and more
Split-and-Stitch® distributed encoding			■	Enables distributed and segmented encoding
Pro Audio option	■	■	■	Separate purchase option that adds support for Dolby AC3, AAC-HE, AAC-LC, and AMR audio codecs
EDL conforming			■	
Streaming	■	■	■	HTTP Streaming, Smooth Streaming and DASH

*ProRes encoding supported on all Mac versions and all Episode Engine for Windows on Windows Server 2012.

Unlimited *Optional

