









| File format | Codec | Episode | Episode Pro | Episode Engine | Comment |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------|---------|-------------|----------------|--------------------------------------------------------------------------------|
| Adaptive bitrate streaming | | | | | |
| Microsoft Smooth Streaming | H.264 (AAC audio) | | | OUT | Windows OS only. 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 | MainConcept and x264 |
| | 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 | MainConcept and x264 |
| | 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 | MainConcept and x264 |
| | 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 | MainConcept and x264 |
| | 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 | MainConcept and x264 |
| | 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 | MainConcept and x264 |
| | 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 | MainConcept and x264 |
| | 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® codec | 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 | |
| | 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 | OUT | OUT | 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 | Mac only. Requires 3rd party QT plugin |
| | 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 |
| | Avid DNxHD® codec | | 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 |
| | Avid DNxHD® codec | | 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 |
| Autodesk Smoke & Flame integration | X | X | X | Browse and monitor Autodesk file systems via Wiretap API |
| 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 .SCC closed caption files | X | X | X | |
| 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.

