



Transcode any format faster-than-real-time



Telestream's **Episode® Engine** is the smart choice for broadcast, post-production and new media workflows. Professionals worldwide rely on Episode Engine's broad format support, scalability and automation to deliver unprecedented speed, performance and value. Episode

Engine is ideal for businesses in need of an automated and scalable solution for new media, post production or broadcast workflows.

Extensive Format Support

Episode Engine allows you to transcode most input formats to a wide range of output formats such as Flash 8/9, Windows Media, H.264 and much more. Repurpose media for websites, mobile phones, iPod, Sony PSP and other mobile devices, television, archiving, DVD and more. Whatever your encoding needs may be, Episode Engine can handle them.

Outstanding Quality and Ease of Use

Excellent quality is the trademark of Episode Engine. Plenty of easily adjustable filters allow you to fine-tune your media to achieve the highest quality output results.

Automation

Episode Engine can be integrated into any media encoding workflow environment. Simply setup your input monitors, and Episode Engine will automatically begin the transcoding process. With the input monitors you can monitor for example local files, FTP servers. You can remotely follow the progress of your jobs from any Mac OS X computer. Event intelligent deployment and notification scripts in Episode Engine facilitate for easy, automated integration with your production workflow.

Episode Engine Pro

For professional time-critical productions, requiring professional formats and the highest encoding speed available on the market, the Pro version of Episode Engine is the right option. Additional format support in Episode Engine Pro includes high-end broadcast formats such as MXF, GXF, H.264 High Profile and Transport Streams.

Ultimate Speed - Split-and-Stitch

Episode Engine and Episode Engine Pro provide ultra fast server-based media transcoding. They are massively scalable to keep pace with the growth of your business. Start with an Episode Engine; when your transcoding needs increase, you can easily add additional servers to create a cluster and use the full power of parallel encoding.

Episode Engine Pro also includes our unique Split-and-Stitch* functionality, providing speeds up to several times faster than real time, for any output format, such as Flash 8, Windows Media, H.264 and much more. If you are working with HD material and have a time-critical setup, upgrade to Episode Engine Pro and real time HD encoding is a snap!

Engine SDK

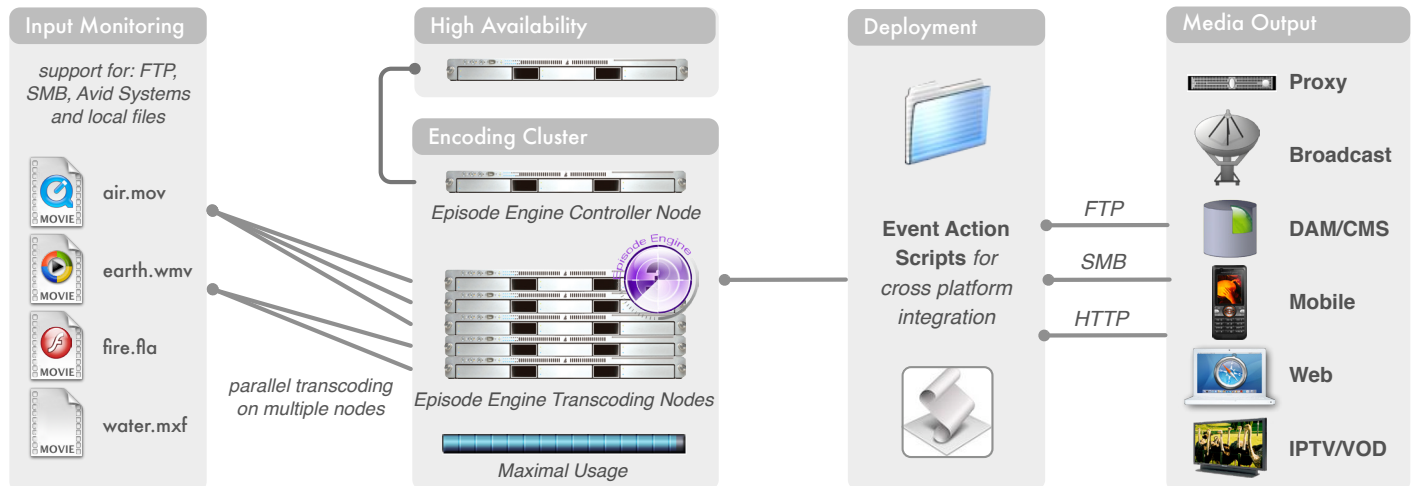
The Episode Engine SDK provides the tools you need to integrate Episode Engine into your workflows. It consists of several interfaces from command line to independent web services.

High Availability

In addition Episode Engine Pro offers a High-Availability option with a redundant master node for 24/7 reliability in your mission-critical workflow.

* Split-and-Stitch provides the ability to split a large file, distribute each part to a different server for parallel encoding and stitch it back together at the end of the process into one output file, thus fully utilize the performance of your server cluster.





AUTOMATION.

SPEED.

HIGH AVAILABILITY.

INTEGRATION.

Features

- **Input monitoring** – browse and monitor folders over file servers (FTP, SMB) or local files
- **Engine SDK** – enables easy integration to any workflow
- **Scalable through clustering** – you can cluster several Episode Engines
- **Easy deployment and notification** – with intelligent metadata driven scripts
- **Bumpers and trailers** – add intro and outro movies to your content
- **Transcode or edit while ingesting your content** – integrate with Telestream's Pipeline
- **Picture-in-Picture** – add a picture, animation or a movie as a watermark
- **10 bits 4:4:4** – Support for formats like RED, DPX, ProRes, Uncompressed
- **Support for metadata**
- **Closed captions** – Pass-through of EIA-608 and EIA-708 in ATSC A/53, SCTE-20 and VBI in-band Closed 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**
- **Advanced deinterlace filters** – produce the best possible progressive output even when the source material has been edited and cut
- **Advanced standard conversions** – with quality comparable to hardware standard converters
- **2 pass encoding** – (H.264, WMV, MPEG2/4, H.263) for maximum quality
- **Hinting (streaming)** – according to IETF, ISMA and 3GPP
- **Resizing and resampling algorithms** – give the best quality for small-screen, low-bandwidth display devices and when upscaling from SD to HD.
- **Automatic input format detection** – video codec, audio codec, color sampling, frame rate, pixel aspect, audio sampling
- **Frame-rate conversion** – NTSC to/from PAL: 3:2 pulldown, 2:3 pulldown
- **Inverse telecine**
- **Fully configurable advanced color preprocessing filters** – (black and white restoration, HSV and gamma correction, noise removal, image sharpening...) ensuring the highest quality
- **Advanced audio filtering** – normalize, balance, fade in/out, high/low pass and more

Pro adds:

- **Split-and-Stitch** – distributed transcoding for all output formats enables maximum transcoding speed
- **High Availability option** – for full robustness in cluster installations
- **SNMP** – System Management for network monitoring

System Requirements:

Mac OS X v10.4 or later, QuickTime v7.0 or later, Final Cut Pro 6 or later (for Episode's Compressor plug-in)

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Output Formats

Episode Engine provides superior format support for Web, Mobile, Apple TV, iPod, PSP, VOD, DVD, IPTV and Broadcast. For example:

- **Web:**
 - Flash 9 (H.264)
 - Flash 8 (VP6s, VP6e)
 - Windows Media 9 (VC-1, WMA Pro, WMV, Intelstream MBR) H.264
 - QuickTime formats
- **IPTV/Video On Demand:**
 - MPEG-2 (CableLabs) transport streams, H.264 transport streams, VC-1
- **Streaming / Mobile:**
 - 3GPP, 3GPP2, MP4 (MPEG-4, H264, AMR, AAC)
 - Windows Media 9
- **Apple TV:**
 - H.264
- **iPod/iPhone:**
 - H.264, MPEG-4, AAC
- **DVD and Blue-Ray:**
 - MPEG-2
- **Audio only:**
 - AAC, MP3, WMA

Pro adds:

- **Editing / Post Production:**
 - Apple ProRes 422, DNX HD
- **Streaming / Mobile:**
 - MP4 (HE-AAC)
- **Broadcast:**
 - Windows Media 9 (WMA Pro surround sound) GXF, MXF (XDCam), AMC, Transport Streams (.ts), 3GPP multi bitrate

For the complete list, see the Format Support sheet (also available on our website)



www.telestream.net
info@telestream.net
Nevada City, CA USA
tel +1 530 470 1300