Ludicrous Mode
Ultra-Fast Parallel Processing for File-Based VOD Workflows

Encoding.com's Ludicrous Mode lets you transform long-form HD and UHD video into multi-bitrate streams in a fraction of real time. The ultra-fast solution significantly improves workflow efficiency by splitting large source video files into small chunks, and then performing all of the transcoding and packaging in parallel before stitching the chunks back together again.

Though processing times will vary based on the variables of your specific project, a 245-minute, 25-Mbps HD AVC/MPEG- TS source asset can be transcoded and packaged in Ludicrous Mode in just 23 minutes. With standard processing that same asset might take 105 minutes.

Ideal for high-volume file-based video processing tasks of high-resolution formats, including 4K, 8K and HDR, chunk-based encoding is the default workflow technology for leading media companies like Netflix, Vimeo and Facebook.

Encoding.com's process stands apart from similar offerings in its ability to split and stitch content at scale in public or private clouds. Ludicrous Mode works by breaking source video into 10-minute segments and distributing each segment to an individual compute instance, assuring fast, efficient processing of each chunk.

After transcoding and packaging, the chunks are re-assembled and validated in QC prior to distribution.

In addition to ultra-fast processing times, Ludicrous Mode provides the highest level of resiliency. If a compute instance fails during processing, we can restart only that segment instead of the entire source asset.

Ludicrous Mode supports MP4-, TS- or CMAF- compliant fmp4 HLS or MPEG-DASH outputs, including workflows that include encryption, DRM and DAI. The default chunk size is 600 seconds; however, this length is adjustable to meet your specific workflow performance goals.

Simple Integration

Encoding.com offers the most mature, well-documented and feature- rich cloud encoding API on the market, simplifying the ability to move your ABR processing to the cloud. We can integrate with your CMS,

MAM or post-production application, and offer XML templates for all popular devices. To further simplify the integration process, our API Builder helps generate properly formatted XML files to test your JSON or XML requests before writing a single line of code.

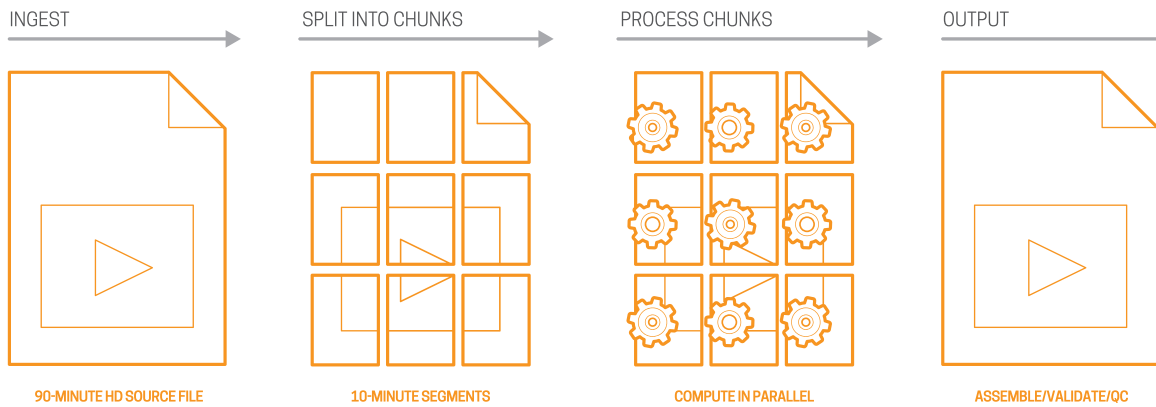|	
Process HD content at speeds up to 20% of real time and UHD up to 30% of real time	Distribute HLS, DASH and fmp4 output formats
Automate the transcoding, packaging and QC of VOD content at scale in private and public clouds	Get to market first with no impact on video quality

encoding.com

POWERED BY TELESTREAM

Ludicrous Mode Workflow

INGEST → SPLIT INTO CHUNKS → PROCESS CHUNKS → OUTPUT

90-MINUTE HD SOURCE FILE   10-MINUTE SEGMENTS   COMPUTE IN PARALLEL   ASSEMBLE/VALIDATE/QC

Time Savings with Ludicrous Mode

90-MINUTE HD SOURCE FILE 50 MBPS, MXF   LUDICROUS MODE   CMAF HLS/DASH OUTPUT FILE

PROCESSING TIME:
18 MINUTES

PROCESSING TIME:
85 MINUTES

90-MINUTE HD SOURCE FILE 50 MBPS, MXF   STANDARD TRANSCODING & PACKAGING   CMAF HLS/DASH OUTPUT FILE

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