



CAMBRIA FTC

A Smart, Innovative, Next-Generation Transcoder

A Transcoder Designed to Excel in Today's Workflow, and Tomorrow's.

The innovative Cambria FTC analyzes and transcodes source files exactly to your specs using optimized settings. Its modern architecture constantly evolves to incorporate the latest formats and codecs. You're set for 4K, HDR, HEVC and beyond.

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INNOVATIVE FEATURES

* Exceptional Video Quality

We only use the highest quality codecs, such as x264 and x265. Our state-of-the-art, motion-compensated frame rate converter, deinterlacer and smart frame rate converter ensure the highest video output quality.

* Superior Transcoding Speed

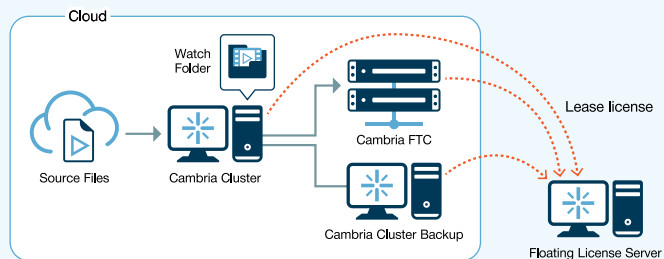
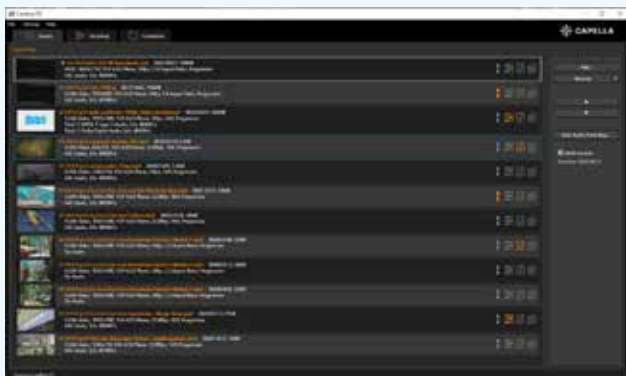
You can achieve faster-than-real-time transcoding speeds for many file formats. Our highly optimized audio and video pass through, support for growing source file support, and source file analysis features help you achieve the most throughput.

* Flexible Workflow Solution

All our products are designed to seamlessly fit into your complex workflow. Our easy-to-use REST-based API, comprehensive plug-in filters and innovative script feature allow you to simplify and automate your media workflow.

* On Premise, in the Cloud, or Hybrid

Cambria FTC can run on premises, in the cloud, or both for handling peak transcoding volume.



Floating License Server communicates with Cluster and Cambria FTC installed on cloud for activating, deactivating, and moving a license to a different machine in the cloud.

CAMBRIA FTC KEY FEATURES

Integrates x264, x265	Modern REST API
Proprietary Motion Compensated Frame Rate Converter	Source Analysis
10-Bit, 12-Bit, and 16-bit Support	Cambria FTC Plug-In Filter
Lossless Video and Audio Pass-Through	Watch Folder
Growing File Support	Dolby Digital Plus, Dolby E, DPLC
Scriptable Workflows	Dolby Vision
Source Adaptive Bitrate Ladder	Floating License
S3 Read/Write	64bit Support
HLG/BT.709 Conversion	IMF Editor
Black Segments Remover	Ad Insertion Support

✧ **Dynamic Encoding Option for the Highest x265 Output Quality**

Dynamic encoding speeds up encoding times by automatically employing slower modes only when a source segment's complexity demands it. Most sources see encode times up to 50% faster.

✧ **Scriptable Workflow**

Users can customize and automate the transcoding process based on specific parameters, for example, using a pass-through setting for encoding when the source and target settings match. Users can write own scripts in Perl.

✧ **Slate and Text Recognition in Video Using Optical Character Recognition (OCR) Technology**

Video text extraction identifies text found in video, such as scrolling credits, texts in slate, subtitles/captions and exports it to an XML file.

✧ **Source Adaptive Bitrate Ladder**

Adjusts the bitrates of layers based on source file complexity to provide the highest quality video output without wasting bandwidth.

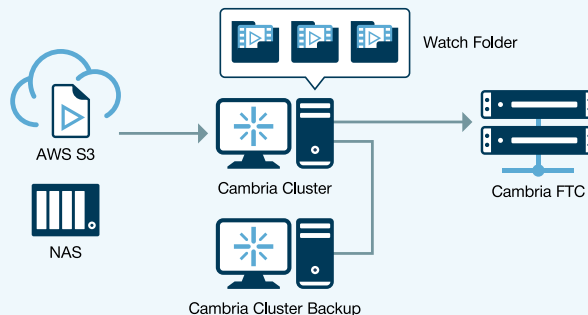
✧ **Cambria Plug in Filter**

Allows easy integration of third-party applications into Cambria FTC.

✧ **Ad Insertion Support**

Cambria FTC can import ESAM XML for ad insertion splice points and inserts SCTE35 markers in ABR output formats.

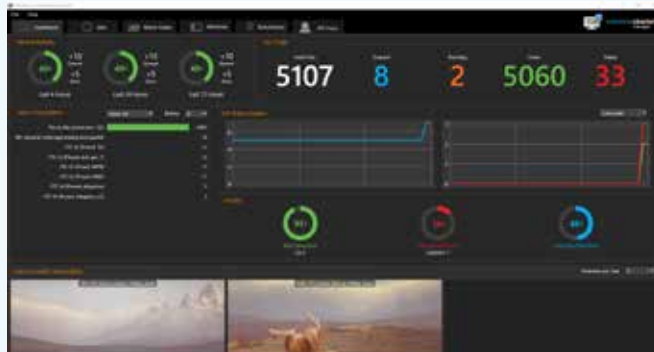
+ Cambria Cluster



Scalable network of multiple Cambria FTC stations for high volume transcoding.

CAMBRIA CLUSTER KEY FEATURES

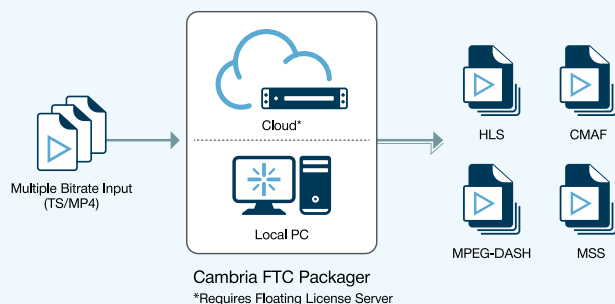
Load Balancing	Hybrid Load Balancing
Cambria Cluster Redundancy	Job Tag
Cambria FTC Machine Monitoring	Dynamic Slot Setting
Web UI	Role Based API
Job Notifications	Cambria Cluster Manager
Job Tag	Watch Folder
Urgent Job Processing	



+ Cambria FTC Packager

Efficient and Highly Adaptive Packaging Software

Cambria FTC Packager imports multiple offline file formats and repackages them into multiple adaptive streaming formats such as HLS, MPEG-Dash and MSS without re-encoding.



CAMBRIA FTC PACKAGER KEY FEATURES

Encryption Support

Ad Insertion

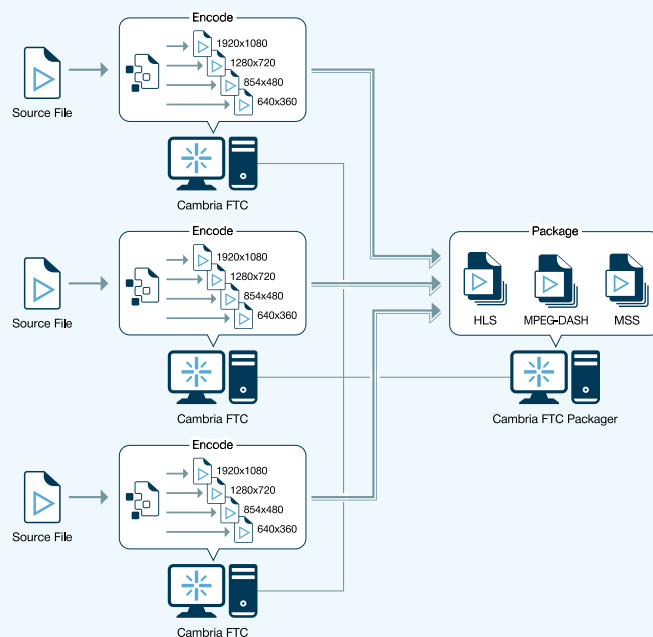
Rest Based API

Highly Customizable

On-Premise or in the Cloud Installation

Combine Cambria FTC and Cambria FTC Packager for the Maximum Throughput

Cambria FTC can transcode from mezzanine file into multiple-bitrate MP4 or TS streams that make up the adaptive group. Those file are then packaged into ABR formats such as HLS, MPEG-Dash or MSS by Cambria FTC Packager which can process a large volume of packaging jobs simultaneously.



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