Transcoder
Powerful Converting Platform

Product Data Sheet

AVECO

🔍 OVERVIEW

The Aveco Transcoder has been designed to create low resolution clips and thumbnails for the low resolution workflows.

The Transcoder utilizes the open source software (ffastrans API core, ffastrans.com) Workflow manager and the web GUI, and is fully integrated with Aveco ASTRA automation systems.

💡 DESCRIPTION

Aveco Transcoder is a SW, which can transcode any video file to low-res and thumbnails, you can see it in your user interface You can do preview & trimming on the transcoded low-res files, which is more cost effective. You can make a preview of the archived clips, without having to restore them from the archive. It has got a web user interface with the possibility of log browsing, job view, user administration and file management.

🎯 KEY FEATURES

- **Remote management** – remote connection with control from any location is possible
- **Live monitoring** – you can see and control what is processed at what time – what jobs are processed now and what is waiting in a queue
- **User and rights management** – you can set up & customize the access rights to each function
- **Custom workflows** – using the workflow manager, you can set up your own workflow, which can be absolutely automation independent
- **API** – full integration with Aveco's ASTRA automation systems
- **Direct file upload** – you can choose which files should be processed, and start the workflow manually
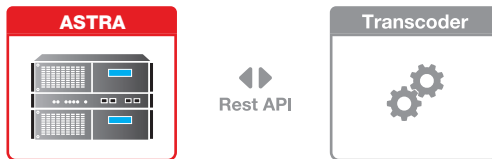
SCALABILITY AND REDUNDANCY

The Transcoder solution scales up very easily, just by adding another computer, installing Transcoder software package and registering in ASTRA. The options are:
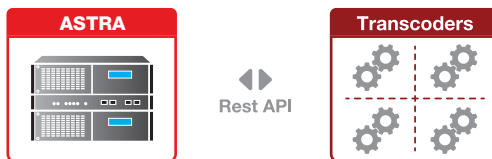
- **Single computer** – it can run multiple transcode jobs simultaneously, there is no redundancy.
- **Multiple computers** – they are utilized by ASTRA as a pool, by assigning transcode jobs to next available resource. Pool also introduces redundancy – when a resource fails, it is removed from the pool and the jobs are distributed only to the functional resources.
- **Farm** – each of the computers assigned to the Farm can cooperate on one single workflow. Farm distributes individual actions of the workflow across all the computers. Redundancy is provided on the same principle as above.

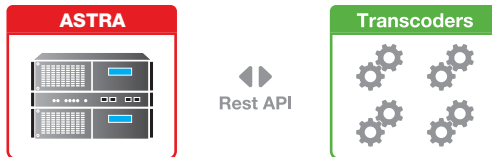| SCALABILITY	SINGLE	MULTIPLE	FARM
Machines	1	>1	>1
Workflow manager	yes	yes	yes
Web	multiple URLs for each transcoder	multiple URLs for each transcoder	single URL for all transcoders

SINGLE

MULTIPLE

FARM

TECHNICAL REQUIREMENTS

5.1. Hardware for transcoders

Please note that the customer shall provide the hardware and operating system for the transcoders.

Note: Transcoder is able to run one job per processor core, maximum is 12 parallel jobs per computer.

5.1.1. Minimum system configuration

Operating System: Windows 10 or newer,
Windows Server 2016 or newer

CPU: Single quad-core, 3.00 GHz or better

RAM: 8GB

Disk: 1x SSD drive

Network: 1Gbps Ethernet

5.1.2. High-Load system configuration:

Operating System: Windows 10 or newer,
Windows Server 2016 or newer

CPU: 24-core, 3.00 GHz or better

RAM: 12-32GB

Disk: 2x SSD drive in RAID 1

Network: 10Gbps Ethernet

LICENSE

FFAStrans core with open codec for transcoding low-res files are open source and are provided as such.

ASTRA software and Aveco services are provided under standard Aveco conditions.

Any additional Codec usage is up to decision and responsibility of the customer.