Low resolution subsystem

A tool for remote workflows

Product Data Sheet

OVERVIEW

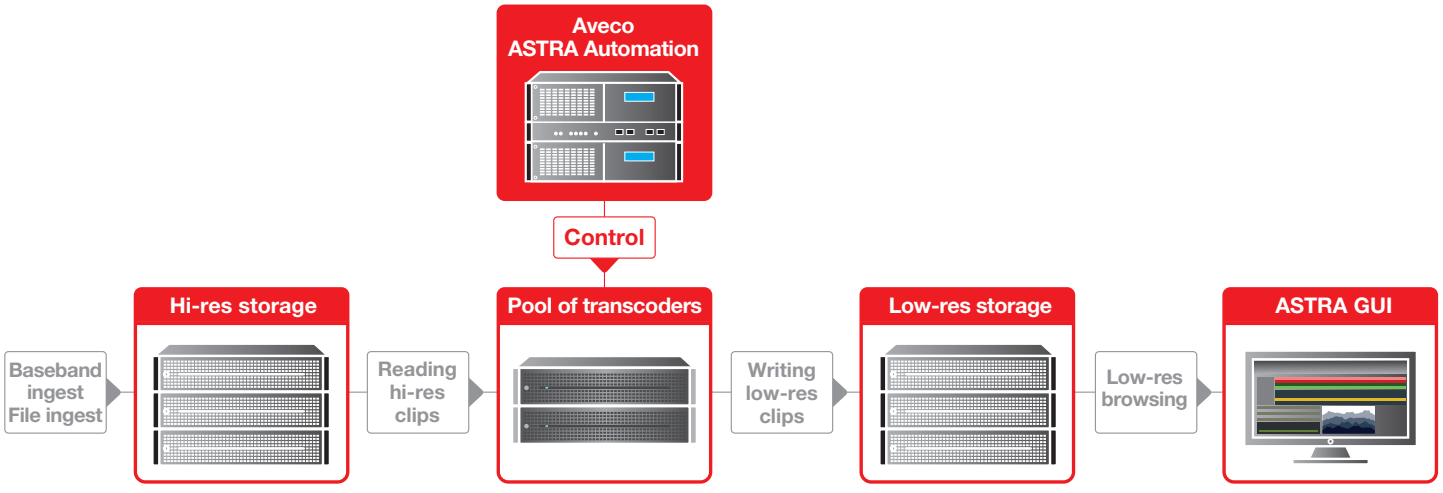
Infrastructure for low resolution clips is an important tool in the set of workflows of media companies. Browsing clips to do programming QC, trimming clips, seeking source segments for postproduction and much more is needed to assure proper functioning of a media company. Low resolution technologies allow for the above while radically reducing the requirements for networking infrastructure, and enabling the work from anywhere.

This document shows concepts of low-res infrastructure in Aveco solutions.

INFRASTRUCTURE

Aveco ASTRA automation controls all processes, devices and workflows within the facility, including the low-res infrastructure. **The low-res workflow is very straightforward:**

- High resolution files arrive to the relevant storage via baseband ingest or file ingest.
- The Transcoder reads the hi-res file, creates a low-res file and thumbnails, and stores those in the low-res storage.
- The low-res files and thumbnails become available for browsing in the ASTRA GUI.



Transcoders

Aveco can provide the transcoder software (see more in the Aveco Transcoder Data Sheet), or other third-party transcoders can be used. Compatible third-party transcoders can be found in the Aveco Compatibility List.

Storages

The customer is responsible for providing the storages and network infrastructure.

Note: The low-res storage could be realized as a folder on the high resolution NAS.

Network infrastructure

The customer is responsible for providing the network infrastructure.

Note: The ASTRA clients shall have file read access or https access to the low resolution storage.

FORMAT OF LOW-RES CLIPS

Framerate	Codec	Profile	Level	Container
25fps	H-264	baseline	2.0 - 4.0	ISO MP4/M4A
25fps	H-264	main	2.0 - 4.0	ISO MP4/M4A
25fps	H-264	constrained-baseline	2.0 - 4.0	ISO MP4/M4A
25fps	H-264	high	2.0 - 4.0	ISO MP4/M4A
29.97fps	H-264	baseline	2.0 - 4.0	ISO MP4/M4A
29.97fps	H-264	main	2.0 - 4.0	ISO MP4/M4A
29.97fps	H-264	high	2.0 - 4.0	ISO MP4/M4A