

Etere Plugin for Avid

Etere Plugin for Avid is an integrative plugin that connects with Avid Interplay seamlessly to manage archive, file deletion, live and file ingestion workflows. The innovative platform was designed with a distributed database for a highly fault-resilient performance.



Etere logo

Etere features a plugin that interfaces with Avid systems seamlessly. Users can use off-the-shelf hardware to manage multi-channel ingest, archive, monitoring and automatic file deletions. The solution is completely scalable, offering users the complete flexibility to mix and match the hardware to fit their requirements. Etere offers a very high level of availability with its distributed architecture and high redundancy. The integrative solution provides greater flexibility and interoperability to users.

Live Ingest and File Ingest

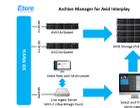
Etere Live Ingest for Avid is a highly versatile ingest software that features user configurable segments for an easy management and selection of materials. From Live Ingest, the segments that are being recorded on the ingest server can be AMA linked directly in Avid editor, the media can be used directly from the storage on the Live Ingest Server even without Avid Interplay. Users can record multiple HD-SDI streams with BlackMagic capture cards. Input signals are recorded in a loop with configurable length for each channel. Designed to run concurrently with Avid Air Speed, users can retrieve the recorded materials from the ingest server if the recording on the main was interrupted. Live ingest can also be deployed as a standalone product, catering to all types of requirements.

- Manage the complete process of editing, selection and transfer
- Customisable segments for easy handling and selection of materials
- Vendor neutrality with broad compatibility with off-the-shelf hardware
- Transfer selected video segments directly into Avid interplay environment
- Capture media in XDCAM HD 50, DNxHD 120 or DV25 wrapped in MXF OP1a wrapper
- Ensures that no critical footage is missed regardless of hardware or system failure
- Export into OP1a MXF files for easy interchangeability with popular editing systems
- Select and transfer while ingesting
- Automatically deletes expired files
- Unlimited loop recording

Sample Configuration for 8 Channels XDCAM HD 50 1080i Feeds

- HP DL380G9, Dual PSU, 2x Xeon E5-2680v4, 16GB RAM
- 2 x Blackmagic duo
- 10 x HP 4TB 6G SAS 7.2K rpm LFF drive (695510-B21) configured as RAID 6
- 1 x SSD 256 GB as system drive
- RAID controller w/ battery backup cache
- HP Ethernet 1 GB 4-port 366FLR FIO (Intel chip set)
- Second PCIe riser card
- Windows 2012R2

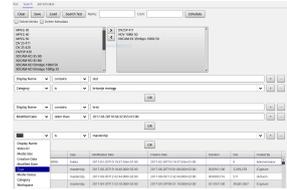
File Ingest for Avid is an application that manages the re-wrapping of media files which are already in an Avid supported codec into Avid specific OP-Atom MXF files. This allows the files to be used with an Avid Interplay system. The application features a backend module and also a GUI for operator driven centralised ingest. File ingest manages any UMIDs that may be present in the source media, ensuring that ingest media maintains a link to the source media. In the scenario that an ingested media is deleted and ingested again, any sequences that use the ingest media will automatically link to the media that was ingested again.



File Deletion

Etere Plugin for Avid allows authorized users to manage automatic deletion of files in Avid Interplay system. Users can create customised profiles and configuration parameters from the web interface to manage file deletions. The file deletions can be configured to run on an off-peak schedule to minimise impact on the system performance. This tool provides a useful feature that is not available in Avid Interplay. It frees storage space automatically, leading to optimised performance and increased operational efficiency. It monitors response time from Interplay and stops the deletion process when unusual system loads are detected. Even while in operation, the system can be upgraded with the addition of nodes to the cluster to bring horizontal scalability and to increase fault tolerance at the same time.

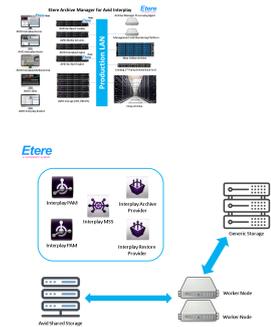
- Prioritisation settings to free system resources for critical processes
- Set the schedule for off-peak operations
- Allows the installation of multiple instances



Archive Manager

The highly effective archive manager serves as a back-end solution that integrates with Avid's Archive front-end products and third parties' archiving and storage solutions. It leverages media that offers access at the file system level. Archive profiles with user-defined parameters can be configured according to Interplay's database structure and file naming conventions. It integrates seamlessly with Avid's workflows. With the Archive Manager for Avid Interplay, users gain access to information about archived assets status and availability. The Archive Manager can be run on independent or shared servers with access to Avid interplay's subnet/VLAN. The setup is completely scalable and can be adjusted according to the requirements of the system.

- Full integrative with Avid Archive
- Web-based interface
- Provides information about media archive status and availability
- Fully scalable agents for performance optimization and redundancy
- Interfaces directly with third-party near-online storage solutions



Management and Monitoring Platform

Etere Plugin for Avid features a management and monitoring platform that orchestrates workflows, manages resources and monitors tasks. It interfaces seamlessly with Avid's Interplay and enables users to execute and monitor tasks from the same interface. The system is fully scalable and can be expanded easily to fit any changes in requirements. It is a highly reliable solution that features a distributed architecture and high fault tolerance. In the event of individual errors, the performance of other processes in the system will not be affected and the system will attempt an automatic restart before being marked as failed.

- No downtime for maintenance and upgrades
- Tasks monitoring on web interface
- Distributed and decentralized architecture
- Suitable for increased bandwidth, load balancing and redundancy

