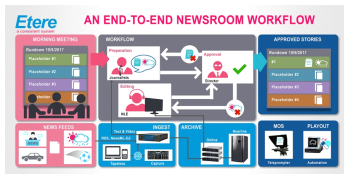


# ETERE NDI NEWSROOM

Etere Nunzio Newsroom integrates seamlessly with Newtek NDI to deliver unlimited streams for live productions with savings of up to half the cost of a traditional SDI setup. Upgrade your newsroom to Etere to get more done for less!



(Etere logo)



(Newsroom diagram)



(Integrated Nunzio Newsroom)



(NewTek NDI)

With NDI integration, Nunzio Newsroom software delivers and receives unlimited broadcast quality video streams with low latency and frame accuracy. Setting up a live newsroom production for unlimited streams is easy and cost-efficient. Newtek NDI is a royalty-free standard that allows multiple video systems to identify and communicate with one another over IP. It encodes, transmits and receive multiple streams of high quality, low latency, frame-accurate video and audio in real-time. Etere is compatible with Newtek NDI technology since 2014 when it rolled out support for the IT-based Etere ETX Channel-in-a-box system.

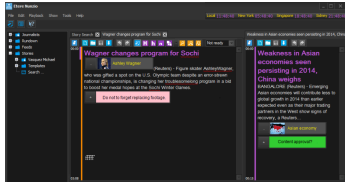
Etere NDI Nunzio Newsroom enables the use of virtual machines to manage the complete newsroom workflow. With a virtualised environment, you have the freedom to run unlimited streams without the need to invest, operate and maintain a large number of hardware and cables. In addition, you can save up to half the hardware costs with a smaller footprint using only standard Gigabit cables. Moreover, with the use of standard IP adapters, the system is fully redundant for a fault-tolerant performance.

Etere Nunzio Newsroom is the newsroom management component of Etere Ecosystem. It enhances coordinated multi-media planning and collaboration across different production units and departments with an editorial driven workflow and flexible metadata management. Etere Nunzio Newsroom represents the future of news reporting with a host of features for the modern newsroom. Etere supports complex stories with multiple video elements including video files, live streams, graphics and secondary media files simultaneously. Even in the face of complex workflows, Etere delivers the reliability, flexibility and speed that is critical in any fast-paced newsroom. Etere Nunzio taps on a common database to provide real-time updates across all workflows. Nunzio newsroom goes the extra mile for your workflows so that you can focus on producing better content.

Etere Nunzio Newsroom is a collaboration tool that was designed to facilitate information exchange between internal and external teams of all sizes. It supports Windows and web interfaces, giving you the flexibility to share resources, run your workflows, plan tasks, schedule news story, create and approve content from wherever you are. With a simple software download, you have access to capabilities including instant chat, E-paper support, website uploads, integration with social media platforms and a mobile interface to take your newsroom with you wherever you are. No longer confined to a single device or platform, you are equipped with the software tools to bring the stories to your audience anytime, anywhere.

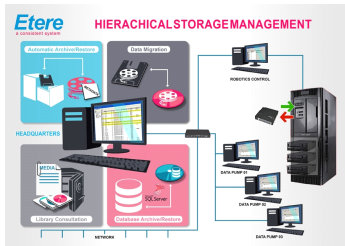
## About NDI

NDI is a royalty-free standard by Newtek that enables IP video workflows across Ethernet networks. NDI is a bi-directional standard that allows video systems to identify and communicate with one another over IP, and to encode, transmit, and receive multiple streams of broadcast-quality, low latency, frame-accurate video and audio in real time. NDI is able to run over existing 1 Gigabit networks, allowing easy adoption of the protocol without the need for new infrastructure.



## Key Features

- ◆ Unlimited creative possibilities for live production, allows multiple video systems to connect to one another over IP
- ◆ Use of virtual machines for unlimited broadcast quality video streams
- ◆ Eliminates the need to invest, operate and maintain hardware equipment and bulky cables
- ◆ Cost-efficiency at its best - Save up to half the hardware and maintenance costs
- ◆ Encodes, transmits and receives multiple streams of high quality, low latency, frame-accurate video and audio in real-time
- ◆ Uses standard IP adapters for complete redundancy
- ◆ Send high-quality and low latency video while simultaneously streaming and capturing it elsewhere on your network
- ◆ Support multiple devices with web, Windows and mobile interfaces



## HSM Archive Integration

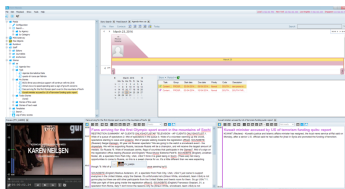
Etere NDI Newsroom offers different technologies for archiving including Linear Tape-Open (LTO) archive and disk archiving using sleeping disks. Etere HSM is a software tool that allows users to choose the hardware that best fits their needs. It manages all archives in a single integrated environment and supports a mix of file systems. The integrated software interface provides information about the archives located on-site and across multi-location setups. Etere HSM is able to produce high and low resolution copies as well as Master and TX copies for archive.



## Etere Multichannel Recorder Player

Etere Multichannel Recorder Player is an ingest player that manages live ingest and simple preview of up to 6 channels on a single platform. It supports multiple channels and formats including multiple live ingest and preview simultaneously. It integrates a loudness control panel that is able to detect loudness issues such as auto-jumps between programs and commercials automatically. Additionally, you are able to insert metadata information including code and title before ingestion or recording. The software features a user-friendly interface with intuitive controls including jog and shuttle wheel, file preview, meta-device configuration, metadata insertion, mark in and out configuration. The interface features a simple drag-and-drop menu that allows you to add multiple files to start the ingestion process instantly in real-time.

- ◆ Supports SDI/IP/NDI inputs and outputs
- ◆ Features a distributed architecture and a fault-tolerant performance
- ◆ Play while recording capabilities
- ◆ Small footprint, eliminates expensive hardware purchase or maintenance
- ◆ Select any resolution, bitrate and file format for export



## MAM Manages Content and Metadata

Etere Media Asset Management streamlines newsroom workflow by managing content and metadata from ingest to archive. The integrative MAM enables easy access to content, selections of shots, assembly of stories and delivery to editing. Etere MAM features an integrative resource manager that allows you to plan and assign tasks for different groups of staff such as the editors and reporters. It includes a calendar-based collaboration and outlook integration. The coordinated media and editorial management tracks tasks in real-time across departments. Etere enhances efficiency and optimises resources.