

Etere ETX 64-Bit with Microservices Architecture

Etere adds ETX to its expanding list of 64 bits applications based on Microservices. The revolutionary software architecture combines the best of technology for a more powerful performance and stability.



Etere logo



ETX Logo



Channel in a box Etere
ETX



Etere ETX

Etere brings the best of technology to you with **Etere ETX's** latest move to the revolutionary Microservices architecture which enables easier deployments, maintenance and testing across all of its systems development life cycle. The new software design features a series of benefits including speedy deployments, easy maintenance, organisation and modifications to software applications. This results in an enhanced performance and a faster delivery to market for users like you. This is a free upgrade for all users on a support contract. Besides **Etere ETX and Etere ETX-M Multiviewer**, Microservices will be gradually rolled-out to other **Etere Ecosystem** modules.

Microservices is a software architecture that structures the application as a collection of services. Unlike traditional monolithic systems where an application shares a common stack with a large, relational database supporting the entire application, Microservices enable individual deployments and scaling of services associated with each software application. As a result, developers have greater flexibility with the testing and deployment of changes to the software. This allows very fast deployment of new features as well as very reliable deliveries of large and complex applications. Furthermore, ETX is now supported on 64-bit operating systems. A 64-bit system can access up to 264 memory RAM, resulting in a faster performance. Additionally, with a 64-bit system, users can better manage multi-tasking between applications.

Benefits of Microservices Architecture in Etere

- Codes in Microservices can be updated easily
- More flexibility with the testing and deployment of changes to the software
- Teams can use different stacks for different components
- Better fault isolation, larger applications are unaffected by a single point of failure
- Easy to understand and easy to scale as the services are separate
- Smaller and faster deployments, with smaller codebases and scope, updates can be deployed more quickly

About Etere ETX

Etere ETX is a IT-based Channel-in-a-Box software solution that streamlines professional video management and playout. With a single solution, you have all the features you need to launch a channel-on-air including scheduling, ingest, storage, file management, monitoring, playout, multiviewer, subtitle management, CG and graphics.

■ Professional Multi-resolution playout including 4K, HD and SD

Professional quality videos is easy with Etere ETX's multi-resolution playout in 4K, HD and SD.

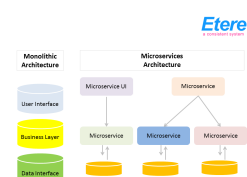
■ Closed Captioning and Subtitling Capabilities

Etere ETX integrates closed captioning and subtitling capabilities including CEA608 and CEA708 which can be streamed directly to DVB or ARIB.

Additionally, ETX features ETX inserter and time delay capabilities that allows the creation of live subtitling directly from ETX.

■ Complete Redundancy for a fault-resilient performance

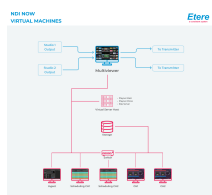
Etere ETX features multiple fault tolerance capabilities including backup mode, master-clone mode and disaster recovery mode. Additionally, the distributed architecture provides full redundancy for the system.



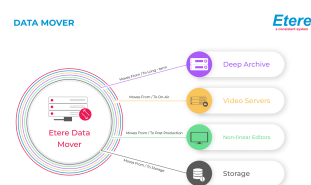
Microservices Architecture



ETX and Multiviewer



Virtual Machines



Data mover scheme



Picture in Picture Etere Automation

■Up to 8 Layers of Graphics Overlays

Etere ETX features a full graphics engine that enables the insertion of up to 8 layers of graphic overlays including fixed logos, animated logos, L-shape squeezes, crawls and transition effects to create compelling content for your business needs. After importing, Etere Media Manager moves the graphics to the playout automatically.

■Integration with Etere ETX-M Multiviewer

If you have multiple live feeds, Etere ETX allows the display of up to 9 sources simultaneously on a single screen. The source feeds can be in SD, HD or ultra HD. Real-time information about the next event is also displayed on the same screen, allowing the operator to make quick edits before broadcast.

■One of the fastest transfers available

Etere Media Manager manages the distribution of contents, video and graphics to different ETX engines. It is one of the fastest file transfers available in the market, making it a proven system that helps you to enhance efficiency and reduce complexity in the workflows.

■ETX Supports NDI/IP/SDI

ETX is able to receive and playout live videos on SDI/NDI/IP streams. It supports a wide range of global standards including Newtek NDI, SMPTE 2022 and 2110. Etere offers an open IP architecture that is ready to support new codecs and standards in the market. Etere protects your investments and prepares you for the future.

■Client Server Application with Redundancy

Etere ETX is a client-server application with multiple clients controlling the ETX server to offer the best redundancy and fault tolerance.

■Supports Virtual Machines and Cloud

With the use of virtual machines, broadcasters do not have to invest, operate and maintain their own hardware. They can have a virtual environment for an unlimited number of streams without the associated costs. Furthermore, Etere ETX is also ready for the cloud.

■Etere Ecosystem Integration

Etere ETX is a part of the Etere Ecosystem and it is fully integrative with other modules in the system, including **Etere SNMP console**, an application that is designed to facilitate system monitoring of all modules, devices and applications. Etere SNMP provides real-time updates to optimise processes, infrastructure performance and devices from a single screen. It is also able to receive SNMP messages sent by other non-Etere applications and devices such as network switches, routers and firewalls. Not only that, configurable alerts notifies users of any potential errors in the system and enables a fast rectification.

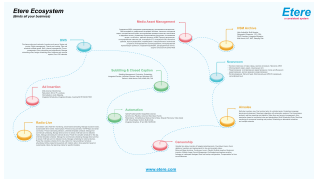
■Picture-in-Picture (PIP) Capabilities with ETX

Deliver rich content with different media elements including the superimposing of graphics, live video streams and feeds. With Etere ETX's Picture-in-Picture capabilities, users can insert multiple overlays of live graphics and videos over a streaming video. This includes the superimposing of layers on top of each other with customisable layouts. When a video is in PIP mode, it will remain within view while at the same time allowing the audience to consume other content simultaneously to deliver a more engaging viewing experience.

■Add Titles, Text and Graphics as required Over a Streaming Video

ETX's Downstream Key (DSK) allows users to add titles, text or graphics as required over a streaming video. It includes cut and mix features for a seamless editing experience.

To learn more about the benefits of Etere Ecosystem, contact us at info@etere.com.



Etere Ecosystem

About Etere

Since its beginnings in 1987, Etere has been preparing users to be ready for the future. Etere is a worldwide provider of broadcast and media software solutions backed by its mark of excellence in system design, flexibility and reliability. Engineered in Singapore, the revolutionary concept of Etere Ecosystem promotes real-time collaborations and enhances operational efficiency across the entire enterprise. Etere Ecosystem software solutions including Media Asset Management, Channel-in-a-Box, Newsroom, Ad Insertion, Airsales, Automation, Broadcast Management System, Censorship, HSM Archive, Logging, OTT/VOD Delivery, Radio-Live, Subtitling and Captioning software are built with an integrative Web and Windows architecture that are customisable to fit perfectly in any system. Etere system is developed by 4 different groups in different countries to ensure reliability and quality. Etere delivers on its service excellence commitment with its dedicated team and a 24/7 worldwide support. Its portfolio of digital technologies and market-proven remote/on-site solutions including consultancy, training, installation and demonstrations are ready to run with your business no matter where you are. Etere enhances your adaptability for the future and empowers you with the software tools to drive your business to greater heights. **www.etere.com**

