EA3203 ETERE ETX

The market's most advanced IT-based, cost-efficient video management system is a complete channel in a box with full IP/NDI/SDI in and out capabilities.

ETX

ETERE MASTER CONTROL

Etere ETX

etere master control

Etere ETX is the most advanced, tightly integrated, cost-efficient video management system based entirely on IT technology. It is 4K ready and has a complete channel-in-a-box with full IP/NDI/SDI (in and out) for multiple frame rates. It can drive the most popular HD/SD digital video/audio/graphics platforms without using middleware/proprietary hardware.

ETX is a fully digital ingest/playout engine that provides professional video technology supporting all major essences and wrappers in the broadcast industry. It is capable of SDI output and multiple layers of graphics. Additionally, HEVC/ H.265 encoding is also available on Etere ETX. With ETX inserter, operators can create closed captions, including CEA 608 and CEA 708. In addition, operators can manage live subtitling with the ETX inserter and time delay. ETX can also integrate with a countdown timer displaying the remaining time until the broadcast of the following program.

As part of the Etere Ecosystem framework, Etere ETX features a distributed architecture that serves as a high-performing digital media solution to capture/playout servers, NLE systems, graphics/production servers, automation, and master control units. To receive an NDI source stream, use the live source object and initialize the "NDI Receiver" device like any other capture card. The distribution of content from the different ETX engines is controlled by Etere Media Management, the application that delivers the correct video to the right place at the proper time. In addition, Etere ETX video file transfer capability is one of the fastest in the market.

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Key Features

☐ Multiple graphics and webGL overlays
☐ Insert, detect and passthrough of SCTE 105 and SCTE 35 signals
☐ Configure mixed input and output signals as SDI, NDI, UDP, RTSP, SRT, and 2110 with on-the-fly conversions
☐ Capture web pages as live multimedia sources
☐ 4K, HD, and SD with up and down conversion interlaced or progressive
☐ RTMP input and integrated time delay
☐ Serves as an RTMP sender or RTSP receiver
☐ Full IP support for both HD and SD videos
☐ SDI output with support for selected cards (SDI or IP), including Blackmagic, Matrox
☐ Supports NewTek NDI
☐ Supports multiple layers of graphics
☐ Supports DVB (Digital Video Broadcasting) stream
☐ Supports Microsoft ReFS File System
☐ Supports media streaming servers including Youtube
☐ Cloud-ready
☐ The included graphics engine allows the overlay of static/animated logos and crawlers on eight layers
☐ Supports IP in and IP out, with multiple frame rates and independent IP out services
☐ Integrated IT-based master control with multichannel ingest/playout
☐ Easy insertion of closed captions, including CEA 608 and CEA 708 with ETX inserter
☐ Create live subtitling seamlessly with ETX inserter and time delay
☐ File formats include LXF, MOV, MXF, GXF, ASF, MPG-TS, MPG-PS, AVI, FVL, DV, MKV, WebM
☐ Video codecs include DV,DVCPRO, MPG1, MPG2, MPG4, H.264, HEVC/ H.265, DNxHD, ProRes, VC-1, VM8, WM9, MJPEG, WM9, MJPEG,XAVC
☐ Audio codecs include AAC, MP2, MP3, Flac, WMA, Vorbis
☐ Minimum video duration 75 frames, can vary with format
☐ Graphics files include TGA, AVI, MOV, SWF, PNG, JPEG, GIF
☐ Picture-in-Picture (PIP) capabilities: Insert multiple overlays of live graphics and videos over a streaming video
☐ 64-bit design with microservices
☐ Support for multicast UDP
☐ Supports DSK with fill and key in both SDI and NDI

Multichannels and Master Control

Etere ETX can manage various ingest/playout channels concurrently, making it a versatile multichannel solution capable of video acquisition, real-time compression, and network transmission with full support for different video codecs between channels. In addition, Etere ETX can be integrated with Etere Master Control. With ETX, you will need only one server to play, switch, fade, dissolve, insert the logo and perform CG functions. For customers who already use ETX, implementing an IT-based playout enhanced with master control functionalities requires only a simple software upgrade based on an add-on license; extra hardware is NOT needed.

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Fault Tolerance

Etere ETX can work at a high fault-tolerance level to avoid single points of failure due to the distribution of video data over various ingest and playout nodes. ETX allows different levels of redundancy to ensure service reliability. ETX also enables you to introduce integrated ingest/playout devices at a lower cost, supported by one of the widest ranges of devices to meet your needs perfectly.

Seamless Workflows and Connected Delivery

Etere ETX enables real-time content delivery between Etere Automation and Etere Scheduling. Reduce manual operations with automated workflows configured to play cued clips automatically at a pre-scheduled time. Connectivity with Etere Scheduling for broadcast schedule publication ensures a seamless workflow delivery from IT playout to automation. Operators can capture HD/SD video from scheduled or manual content feeds for greater versatility. In addition, the Etere Automation status panel provides a user-friendly interface for better operational efficiency in fast-paced operations. With the remote control panel, operators can also control the automation remotely from different locations.

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