Etere Provides RTMP Input and Integrated Time Delay

THE 4K-READY Channel-in-a-Box solution Etere ETX is designed to deliver audio and video content via the Internet, giving users greater freedom when it comes to their live streaming setup with the option to select an RTMP stream as an input source.

An integrated time delay feature allows the flexibility to configure a delay between preview and real-time. The time delay technology of CensorMX is now integrated with both Etere ETX and Etere CensorMX. Time delay can be used in live broadcast to prevent unacceptable content such as profanity and bloopers from making it to air. Not only that, it also enables a multi-language live commentary.

Etere allows users to customise the details of their time delay including:

- Set the number of frames to delay the stream for frame accuracy.
- Adjust compression quality.
- Set a time interval for the synchronisation of delayed video.

Etere ETX provides synergy between playout, ingest, automation, master control and graphics environments. It supports SDI, IP and NDI transmission. Etere ETX integrates all the features to bring a channel on-air, including closed caption and live subtitling insertions, graphics insertion on up to eight layers, integration with the Etere Master Control touch screen panel for the simultaneous management of multiple channels, virtual machines capabilities and cloud support. It can also be integrated with Etere's ETX-M Multiviewer which lets you monitor unlimited video sources on a single display.

Real-Time Messaging Protocol (RTMP) is an Adobe Proprietary protocol for the high-speed streaming of audio, video and data over the internet. Based on Transmission Control Protocol (TCP), RTMP provides optimisation of video and audio data transmission. In RTMP streaming, the server divides the information into segments to enable a smooth display with as much data delivery as possible. While Etere is not a streaming server, users can send RTMP streaming from Etere to a RTMP streaming server. Additionally, it is also possible to receive RTMP streaming through a remote URL and playout in Etere.

Visit https://www.etere.com

Monitor and Diagnose ST 2110 IP Broadcast Production Video Networks

THE NEW INSPECT 2110 Probe from Telestream monitors TS 2110 video streams across a production or contribution network to make sure they are present and working as expected. A notification will be triggered if the format, video, audio or data has errors or differs from the SDP file. Thumbnails provide visual indication of program status, and penalty box provides immediate visibility of error conditions for diagnostics.

Inspect 2110 Features:

- Up to 100Gbps of monitoring capacity for up to 100 ST2110 essence streams
- Confirm video streams are present and correct including format, video, audio, and data
- Ensure redundant video streams are the same and healthy
- Check that PTP synchronisation is correct and operational
- View network traffic and program flow through the network
- Link to PRISM to enable detailed analysis
- IP Video Monitoring

PTP timing and synchronisation is critical for IP video networking, and Inspect 2110 verifies that synchronisation is operating and correctly sync'd across video, audio and data streams.

Inspect 2110 provides PTP status monitoring and PTP metrics reporting and simplifies automated detection of PTP issues and diagnostics, saving time and reducing errors.

Users can easily view program details including format, video, and audio as well as A/B redundant stream comparison and health checks. Inspect 2110 provides support for IP Standards including ST2110-10, ST2110-20, ST2110-21, ST2110-30, ST2110-40 and ST2022-7.

A direct link to the PRISM Media Analyzer provides deep video waveform analysis, with multiple PRISM units able to be linked to any Inspect 2110 Probe.

Inspect 2110 software uses a high-performance container-based architecture supporting up to dual 100G Ethernet in a server configuration now, plus virtual and cloud configurations near term.

Visit http://www.telestream.net

Magewell Adds NDI|HX Support

MAGEWELL HAS ANNOUNCED new updates for the company's Pro Convert for NDI to HDMI and Pro Convert for NDI to HDMI 4K standalone IP decoders that further expand the devices' support for Newtek's evolving NDI media-over-IP technology. The free upgrades add compatibility with the high-efficiency, lower-bitrate NDI|HX mode in NDI 4, complementing the decoders' existing support for full-bandwidth NDI streams.

Magewell's Pro Convert NDI encoders and decoders let users reliably bring traditional video signals into and out of IP-based production and distribution workflows, enabling existing sources and displays to work seamlessly in next-generation media infrastructures. The Pro Convert for NDI to HDMI and Pro Convert for NDI to HDMI 4K decode NDI input streams for output to HDMI monitors, projectors, production or distribution equipment. In addition to NDI technology, the decoders also support SRT, RTSP, RTMP, UDP, RTP and HTTP (HLS) streams with H.264 or H.265 compression.

While full-bandwidth NDI offers the highest quality and lowest latency, the bitrate-efficient NDI|HX mode supports full-resolution, full frame-rate video delivery over wireless and limited-bandwidth networks. In addition to supporting the NDI|HX technology in version 4 of NewTek's NDI Embedded SDK, the Pro Convert decoders can be configured for compatibility with earlier NDI|HX variants implemented in some of the first NDI-compatible PTZ cameras and accessories. The update also incorporates other new NDI 4 features including Discovery Server support, enabling the use of NDI devices across multiple network segments.

The Pro Convert for NDI to HDMI 4K supports NDI inputs up to 4096 × 2160 at full 60 frames per second, while the Pro Convert for NDI to HDMI decodes 1080p60 and 2K sources. Both models automatically optimise output parameters to match the capabilities of the connected HDMI display, using FPGA-based video processing to perform high-quality up/down-conversion between HD and 4K.

Visit http://www.magewell.com