

2024-07-24 V10.2.2.255

Bundled Cloud Agent: V1.12.5

Features

> Front Panel Display AV Input Preview



> New Strict Constant Bitrate Encoding Mode

- Expected Decoder Latency:
 - Non-Strict Constant Bitrate: 300ms
 - (NEW) Strict Constant Bitrate: 1600ms

Bug Fixes / Improvements

- > Bug fix during device OS boot-up phase for consistent startup behavior
- > XML Control bug fix:
 - Delete data encoders attached to an output that is deleted
- > Enhancements to existing Constant Bitrate encoding mode to reduce PCR errors
 - Note: the new Strict Constant Bitrate encoding mode is intended to limit undesirable PCR behaviors with dynamic content
- > Enhancements to native Zixi Feeder output to include the ability to support DTLS and ignore DTLS certificate errors
- > XML Configuration Enhancements:
 - XML Status within the HTTP request headers now supplies the following data:
 - MAC address
 - Serial number
 - Software version
 - Device LiveEdge Cloud GUID (to allow for the query of LiveEdge Cloud API)



- The ability to name each component of the device (inputs, video, audio, and data profiles/encoders, and outputs)
 - If a blank “name” element is entered for any of the above components, the configuration is rejected
 - If the “name” element is not included, the component will fall back to a default naming scheme as below:
 - **Input Channels** - Input Channel <channel_num> (e.g. Input Channel 1)
 - **Video Profiles/Encoders** - <video_codec> <daemon_id> (e.g. H.264 23)
 - **Video Encode Sync (MBR) Groups** - Video MBR Group <daemon_id> (e.g. Video MBR Group 34)
 - **Audio Profiles/Encoders** - <audio_codec> <daemon_id> (e.g. AAC 45)
 - **Data Profiles/Encoders** - <data_codec> <daemon_id> (e.g. SCTE-35 56)
 - **Output Streams** - <protocol> <daemon_id> (e.g. Unicast 67)
- > REST API Configuration Enhancements:
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- > Debug log enhancements
- > Local Web UI enhancements:
- Addition of a checkbox under Zixi output to ignore DTLS certificate errors
 - Checkbox to enable or disable the processing of CEA-708/608 closed captions over SDI input

Known Behaviors

- > **XML Control:**
- HTTP request headers do not include the following data:
 - Status
 - Input
 - Streaming
 - RTMP



- File Record
 - FTP Upload
 - Name
 - Uptime
 - SD cards with XML files installed will not function on LiveEdge® Max.
 - XML Control will sometimes take up to 90 seconds to apply the changes that have been configured to an XML file.
- > **External Storage:**
- External storage device functionality may have unexpected results
 - **External USB storage devices are not supported with this release of software.**
 - **An SD card must be inserted prior to device boot in order for it to mount properly. SD cards being removed from the system post-boot will require a reboot to remount them.**



Did you know?

> **New Form Factor - LiveEdge® 2Go**

- The LiveEdge® Ecosystem is now available in two small, rugged, and portable form factors - **LiveEdge® 2Go and 2Go Mini** - designed for the pitch, court, track, rink, or wherever your live events take you, prepared to take on the most grueling on-the-go workflows. Both subscriptions include Compute, Cloud Control, vCare and an encoding container per input - perfect for supporting multiple camera angles or backup feeds - add a la carte licensing options to personalize your workflow. Check out all the details [Here](#).

> **New Use Case - Live-to-VoD Highlight Reels**

- Leverage streamlined social media and OTT workflows to optimize your broadcast workflows. The LiveEdge® Ecosystem is container-based, enabling you to imagine, test, and deploy high-quality broadcast workflows, like never before. Case in point - containerized social/OTT highlight clipping tools can now provide automated start/stop timing data to LiveEdge®. In turn, LiveEdge® can instantly deliver fresh highlight reels for social/OTT viewing, and high bitrate versions for traditional broadcast, replacing expensive manual processes and expensive tools. To learn more about Live-to-VoD and highlight clipping workflows, reach out to us [Here](#).