V10.2.1 Release Notes - LiveEdge® Max

2024-07-15 V10.2.1.245

Bundled Cloud Agent: V1.12.2

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

> 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:
  - 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:
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    - **Output Streams** - <protocol> <daemon_id> (e.g. Unicast 67)
- > 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**
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> - 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](#).