COBALT®

9223/9223-SA/BBG-1123-ENC Firmware Version 3.2.0 Release Notes

This release introduces the following new features:

- HLS operation enhancements:
  - Add missing variables to the MIB.
  - Add support for publishing to remove servers using HTTP PUSH functionality.
  - Add support for including the CODEC strings in the HLS manifest (Akamai requirement).
- Enhancements to RIST Simple Profile (VSF TR-06-1) functionality:
  - Support for the RTT Echo message introduced in the 2020 revision of TR-06-1.
  - Add support for Bonding and Seamless Switching.
  - Add support for retransmission rate limits.
  - Increase the allowable ARQ NACK buffer to 4 seconds.
- Support for RIST Main Profile (VSF TR-06-2):
  - Support for Baseline Level tunneling, including:
    - Sending and receiving of JSON messages.
    - Support for Reduced Overhead mode.

This release fixes the following issues:

- 9223 only: CAN bus stability improvements.
- RTMP: after connection, read and discard data received from the server. This addresses a memory leak in some servers.
- Fix a DNS issue whereby the device would interpret an IPv6 response as IPv4 and fail to connect.
- Fix a syntax issue on SCTE-35 messages with zero pre-roll.
- Convert zero pre-roll SCTE-35 to messages with an actual pre-roll based on encoder latency.
- Fix a bug whereby a line 21 CC source would not be preserved in auto mode.
- BBG-1123-ENC/9223-SA only: Fix a gateway ordering issue when there is no gateway in one of the streaming interfaces, and it is in that interface is in the same range as the control interface.
- Remove SCTE-35 injection log messages to avoid an encoder stalling issue.