Customer Service BULLETIN

Severity Level: High

Customer Service Bulletin	**24182**
Title	**Package update LDX 100**
Date	**2021-07-19**
Product	**LDX 100**
Product Version	**All**

Overview

System parts involved:

- LDX 100   **V06**

Overall Message

Overall Note:

- See New functionality and Bug fixes on the next page.
- To be used in combination with Camera Connect version **1.67** (See CSB_**24206**)

New:

- NMOS:
  - Node/device ID will remain persistent when the video format is changed.
  - The group hint tag is changed with other group-names, like:
    - 'Cam-Main:Video'
    - 'Cam-Live:Video'
    - 'Cam-Live-aux:Video'
    - 'Cam-Phases:Phase 1'
    - 'Cam-Phases:Phase 2'
    - 'Cam-Phases:Phase 3'
    - 'Cam-Audio:Audio'
    - 'Cam-Intercom:Audio'
    - This creates unique audio/intercom/video streams and maintain the "Cam-Phases" grouped streams.
- Add 3x speed HD video modes for Local/Native IP mode only:
  - 1080P150/179 and 1080i150/170
  - Implement 3xHD option
  - For 3xHD, Main video IP stream and BNC-A may be 4K when 3xUHD license option is present as well
  - 3xHD modes, without license, are also available when the 3xUHD license option is present.
  - In case a 3 x UHD sw option is installed a "4K-Live" combined source is available on BNC-A and IP in 3 x HD video mode.
- Enable LDX Webserver with C2IP local IP address in browser.
  - Provides a summary of the C2IP and media IP network configuration and status.
  - Allows license upload through web browser.
- Add Color Corrector
- Add all "Ext"-videos to signal selection for BNC-B, in "Configuration" > "Signals" menu.
- "Live-aux" video is also available in 4K23, 4K25 and 4K29 modes.
- JPEG-XS support improved (requires JPEG-XS license option):
  - Added redundancy support for receive and transmit streams.
  - Automatic timing alignment for JPEG-XS incoming streams.
  - EXT3 may not be selectable when JPEG-XS is active
  - Add diagnostics for redundant streams in JpXs mode
- Add "EVS-field order" mode for phase 2.
- "Live"-aux stream is always available.
  - Will be duplicate of "Live" signal when no extra downscaled signal is available

Bug fixes:

- Disable VF Skin view when Ext video is selected in the VF.
- After power up, the VF Skin detail view must be disabled to avoid confusion.
- Do not allow JPEG-XS mode to be enabled in high speed video modes.
- External IP receivers stopped when destination IP address changes and enabled again.
- IGMP V3 Join request does not contain a specific source address.
- Incorrect line length for 4K23 and 4K24 video modes.
- The first and/or last lines of the 1080i HDR picture show white lines.
- Sometimes purple picture at power up.
- Camera PTP slave is going out of lock when the secondary IP link is failing .
- Corrected the MAC address for the LLDP information.
- SDI VPID for Live 1080i incorrect when system video mode is 4K.
- VPID for BNC-A was incorrect when HDR/SDR selection was changed.
- FEC error correction was not activated in transmission with XCU-UXF.
- Various fixes in diagnostics for XCU transmission.

- Using other SFP+ modules than Eoptolink resulted in a diagnose error in XCU mode as flashing transmission led on XCU front between red and yellow and cable error in Fiber B. Support is added for other brands and types of 10G LR SFP+ modules than Eoptolink.

Known Issues:

- The Skin view indication is shifted with respect to the video.
- Live 1080i selection is blocked in 3x1080p video modes

LDX 100

After updating the package, the status of the LDX 100 camera head becomes:
Package LDX100_92-00034-000_**06**

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
Sitara Linux Platform OS	522-00066-01	12-00107-000	**01.02**
Sitara Main Application SW	522-00066-01	12-00108-000	**06.00**
Sitara Transmission SW	522-00066-01	12-00109-000	**01.07**
MPB Image 1 FW	522-00066-01	12-00110-000	**04.14**
MPB Image 2 FW	522-00066-01	12-00111-000	**04.14**
MPB Image 3 FW	522-00066-01	12-00112-000	**04.14**
TXB Image 1 FW	522-00069-01	12-00121-000	**01.32**
TXB Image 2 FW	522-00069-01	12-00122-000	**01.32**
TXB Image 3 FW	522-00069-01	12-00123-000	**01.32**
TXB Image 4 FW	522-00069-01	12-00147-000	**01.32**
TXB uBlaze SW	522-00069-01	12-00015-000	**00.18**
Sensor Boards	522-00101-01	12-00080-000	00.29
Filter Driver SW	522-00091-01	12-00074-000	00.09
Handgrip SW	90-00062-000	12-00128-000	00.07

<div style="background-color:#5e2750; color:white; padding:8px; display:inline-block;">Contacts</div>

Grass Valley Product Support

Web-based support is available for many Grass Valley products. Please visit our online Knowledgebase:

http://mygrassvalleyportal.force.com/gvknowledge

For or technical assistance, please contact us by e-mail or phone. For more information refer to:
http://www.grassvalley.com/support/contact

Overview

For an overview of released camera service bulletins, fault descriptions, related products and filter options, refer to:
https://community.grassvalley.com/