## ZEN SERIES: SOFTWARE RELEASE NOTES

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<td>LV5600 / LV7600</td>
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<td><strong>3.0</strong></td>
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<td>New features:</td>
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<td>● Multiple audio IP Flows are possible as part of the SMPTE ST2110-30 standard, when using the LV5600-SER06 or LV7600-SER06 IP INPUT option. You can select 1, 2 or 4 IP Audio Flows per input.</td>
<td>● SR Live Metadata analysis, which is available from the STATUS menu, now supports SR Live Metadata Ver.1.00.</td>
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<td>Improvements:</td>
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<td>● SR Live Metadata analysis, which is available from the STATUS menu, now supports SR Live Metadata Ver.1.00.</td>
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<td>Changes:</td>
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4.0 Improvements:
- SFP reset menu has been added to the LV5600-SER05/LV5600-SER06/LV7600-SER05/LV7600-SER06 IP options.

3.9 New features:
- SR Live Metadata analysis display has been added to the STATUS for LV5600-SER01 and LV5600-SER02 SDI Input options.

Improvements:
- Marker display supporting the color bars in the color area BT.709 of ARIB STD-B66 and ARIB STD-B72 has been added to the LV5600-SER01 and LV5600-SER02 SDI Input options.
- English closed captions (EIA-608/708) are supported for the 4K-6G system for the LV5600-SER01 and LV5600-SER02 SDI options.

New features:
- SR Live Metadata analysis display has been added to the STATUS for the LV7300-SER01 and LV7300-SER02 SDI Input options.

Improvements:
- Marker display supporting the color bars in the color area BT.709 of ARIB STD-B66 and ARIB STD-B72 has been added to the LV7300-SER01 and LV7300-SER02 SDI Input options.
- English closed captions (EIA-608/708) are supported for the 4K-6G system for the LV7300-SER01 and LV7300-SER02 SDI Input options.

3.8 Improvements:
- LV5600-SER806/LV7600-SER806 supports 25G single mode and an SFP test signal output (LV5600-SER32/LV7600-SER32).

3.6 Improvements:
- Assigned address is indicated when DHCP is selected in the NETWORK section of the SYSTEM SETUP.
- English closed captions (EIA-608) are supported for the following formats (HD DUAL/3G-A/3G-B-DL/4K Dual/4K Quad/4K 12G) for both the LV5600-SER01 and LV5600-SER02 SDI options.
- Assigned address is indicated when DHCP is selected in the SYSTEM SETUP of the LV7600-SER05/LV7600-SER06, LV7600-SER05/LV7600-SER06 IP options.

Improvements:
- Assigned address is indicated when DHCP is selected in the NETWORK section of the SYSTEM SETUP.
- English closed captions (EIA-608) are supported for the following formats (3G-A/3G-B-DL/4K Dual/4K 12G) if the LV5300-SER21 or LV5350-SER21 license option is enabled.

3.5 New features:
- LV5600-SER06/LV7600-SER06 now supports 25G IP INPUTS.
- LV5600-SER32/LV7600-SER32 now supports 25G IP TSG.

3.3 Changes:
- Auto measurement value, (when the LV5600-SER02 Eye Pattern eye is closed due to the extended distance of the cable transmission), has been corrected when using the LV5600-SER02 Eye Pattern option, if the Or/Of value is greater than 20%, it is indicated as ">20%".
- "LODNESS AUTO MEASURE" and "MARK AND GATING LAMP" for the LV5600-SER03 and LV6600-SER03 Audio options, has been added.

Changes:
- Auto measurement value, (when the LV5300 Eye Pattern eye is closed due to the extended distance of the cable transmission), has been corrected when the Or/Of value is grater than 20%. It is indicated as ">20%" on the LV5300.

3.2 Improvements:
- Upon external synchronization of the waveform display, the input signal format is indicated as same as the "EXT REF PHASE" indication for LV5600-SER01 and LV5600-SER02 SDI options.
- Not only the current value but also the PEAK HOLD value on the audio level meter can be displayed by making a selection in the menu of the LV5600-SER03 and LV7600-SER03 Audio options.
- Packet list is now automatically updated in the IP STATUS for LV5600-SER05 and LV7600-SER05 IP options.
- PATH DELAY and Timing Comparison are now supported in the user layout with the LV5600-SER05 and LV7600-SER05 IP options.
- LV5600-SER05 and LV7600-SER05 now supports Telnet and SNMP.
- LV5600-SER05 and LV7600-SER05 now supports 10M/100/1G-SM.

Changes:
- DDR3 and scaler initializing have been added in case the measuring display is not indicated after start up.
- TRS error and line number error have been fixed during SDI signal detection.
- NMOS control response speed has been improved for the LV5600-SER05.

Improvements:
- Not only the current value but also the PEAK HOLD value on the audio level meter can be displayed by making a selection in the menu of the LV7300-SER20 Audio option.

Changes:
- DDR3 and scaler initializing have been added in case the measuring display is not indicated after start up.
- TRS error and line number error have been fixed during SDI signal detection.

3.0 Improvements:
- 1080/48P(1080/47.95P) is now selectable in the MONITOR OUT.
- AV PHASE is now selectable at each layout in the STATUS with the LV5600-SER26 and LV7600-SER26 Layout option.

Changes:
- F3:AV PHASE SETUP menu in the AV PHASE for LV5600-SER01 and LV5600-SER02 SDI options.
- F6:INPUT SELECT menu for LV5600-SER01 and LV5600-SER02 SDI Input options.
- When ST2110 signal is input, Freeze, Black, Gamut and Level Y/C error detection are now supported for the LV5600-SER05 and LV7600-SER05 IP Input.
- Receiving Buffer of ST2110 signal has been extended to support big packet interval of fluctuation for the LV5600-SER05 and LV7600-SER05 IP Input.
- PTP has been included in ST2110 signal redundancy for LV5600-SER05 and LV7600-SER05 IP Input.

Improvements:
- 1080/48P(1080/47.95P) is now selectable in the MONITOR OUT.

Changes:
- F3:AV PHASE SETUP menu in the AV PHASE for the LV7300-SER01 and LV7300-SER02 SDI Input options.
- F6:INPUT SELECT menu has been added to the LV7300-SER01 and LV7300-SER02 SDI Input options.


## New Features:

- **Video noise meter** is now supported with the LV5600-SER30/LV7600-SER30 Video Noise Meter options.

## New Features:

- Dolby is now supported for the LV5600-SER04 and LV7600-SER04 Dolby options.
- **TSL protocol** is now supported for the LV5600-SER27 and LV7600-SER27 Tally options.

### Improvements:

- **HEX indication** on the payload ID detection display.
- Visibility of the marker line in the picture marker display.
- **DCI white dot marker** has been added to the chromaticity diagram for the LV5300-SER22 and LV5350-SER22 CIE Chart display options.

## New Features:

- **TSL protocol** is now supported for the LV5300-SER27 and LV5350-SER27 Tally options.

### Improvements:

- Visibility of the marker line in the picture marker display.
- **DCI white dot marker** has been added to the chromaticity diagram for the LV5300-SER22 and LV5350-SER22 CIE Chart display options.

## New Functions:

- **Vector variable scale function** has been added to the LV5600-SER01 and LV7600-SER02 SDI Input options.
- **Setting function in NMOS IS-05 by SDP file** has been added to the LV5600-SER05 and LV7600-SER05 IP options.
- **Packet capture function** has been added to the LV5600-SER05 and LV7600-SER05 IP options.
- **Web server access port (port no. 8080)** indication has been added to the NETWORK setting tab.
- **HEX indication** on the payload ID detection display has been added to the STATUS.
- **CLog/Log-C** is now supported with the LV5600-SER23 and LV7600-SER23 HDR options.

### Improvements:

- **Web server access port** (port no. 8080) indication has been added to the NETWORK setting tab.
- **HEX indication** on the payload ID detection display has been added to the STATUS of the LV5600-SER01 and LV660-SER02 SDI options.
- **720p format** is now supported with the LV5600-SER05 and LV7600-SER05 IP options.
- **CLog/Log-C** is now supported with the LV5600-SER23 and LV7600-SER23 HDR options.

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**NOTES**

- **HDR option.**
  - CLog/Log-C is now supported with the LV5600-SER23 and LV7600-SER23 HDR options.
- **720p format** is now supported with the LV5600-SER05 and LV7600-SER05 SDI options.
- **NMOS (IS-03)** is now supported with the LV5600-SER05 and LV7600-SER05 IP options.
- **Fitter function** by using the VLAN ID has been added to the LV5600-SER05 and LV7600-SER05 IP options.
- **HDR option.**
  - CLog/Log-C is now supported with the LV5600-SER23 and LV7600-SER23 HDR options.
- **720p format** is now supported with the LV5600-SER05 and LV7600-SER05 SDI options.
- **HEX indication** on the payload ID detection display.
- **Visibility of the marker line in the picture marker display.**
- **DCI white dot marker** has been added to the chromaticity diagram for the LV5300-SER22 and LV5350-SER22 CIE Chart display options.

## Improvements:

- **Waveform color** is now selectable when the capture function is in the Held mode.
- **Composite variable scale** in the vector and waveform displays is supported.
- **Guide display** can now be turned on/off in the vector display mode.
- **Eye Histogram** has been added to the LV5300.
- **Eye/JITTER waveform display in the 4K-6G system** is now supported for the LV5700-SER24 and LV5350-SER24 Test Signal Generator option (works with SER23 HDR option).
- **Interlocking mode with payload ID for SDR, HLG and PQ** has been added to the LV5300-SER23 and LV5350-SER23 HDR options.

## New Functions:

- **Vector variable scale function** has been added to the LV5600-SER01 and LV7600-SER02 SDI Input options.
- **NMOS IS-04 Registered Discovery** is now supported with the LV5600-SER05 and LV7600-SER05 IP options.
- **Packet capture function** has been added to the LV5600-SER05 and LV7600-SER05 IP options.
- **Web server access port (port no. 8080)** indication has been added to the NETWORK setting tab.
- **HEX indication** on the payload ID detection display has been added to the STATUS.
- **CLog/Log-C** is now supported with the LV5600-SER23 and LV7600-SER23 HDR options.

## Improvements:

- **Waveform color** is now selectable when the capture function is in the Held mode.
- **Composite variable scale** in the vector and waveform displays is supported.
- **Guide display** can now be turned on/off in the vector display mode.
- **Eye Histogram** has been added to the LV5700.
- **Eye/JITTER waveform display in the 4K-6G system** is now supported for the LV5700-SER24 and LV5350-SER24 Test Signal Generator option (works with SER23 HDR option).
- **Interlocking mode with payload ID for SDR, HLG and PQ** has been added to the LV5700-SER23 and LV5350-SER23 HDR options.

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**NOTES**

- **HDR option.**
  - CLog/Log-C is now supported with the LV5700-SER23 and LV7700-SER23 HDR options.
- **720p format** is now supported with the LV5700-SER05 and LV7700-SER05 IP options.
- **HEX indication** on the payload ID detection display.
- **Visibility of the marker line in the picture marker display.**
- **DCI white dot marker** has been added to the chromaticity diagram for the LV5700-SER22 CIE Chart display option.