

September 2019

RAI Amsterdam

13 – 17 September 2019

Hall 11.A33



LV5600 and LV7600 'True Hybrid' IP & SDI Waveform Monitor and Rasteriser adds 25GbE Option & NMOS Support



As the broadcast industry's use of IP matures, the JT-NM Tested program offers prospective purchasers of IP based equipment greater, and more documented insight into how vendors equipment conforms to SMPTE ST 2110 and SMPTE 2059 standards. **Leader** will be presenting on September. 15th at 11:30am at the IP Showcase E106/7.

[IP Test and Measurement for ST.2110 Systems](#)

'True Hybrid' IP and SDI test and measurement capabilities make them the ideal solutions for broadcasters as they start their migration from SDI to IP infrastructures. Both instruments provide simultaneous capabilities for IP and SDI sources. For more information please visit and download the Broadcast Bridge's Essential Guide to Hybrid IP and SDI Test and Measurement.

[Essential Guide to Hybrid IP and SDI Test and Measurement](#)

New for both the LV5600 and LV7600 is the 25GbE interface option (**SER06**). This allows support for uncompressed UHDTV video formats over IP. The **SER06** option supports SMPTE ST2110-20 (Video), ST2110-30 (Audio), ST2110-40 (ANC), and ST2059 PTP synchronisation.

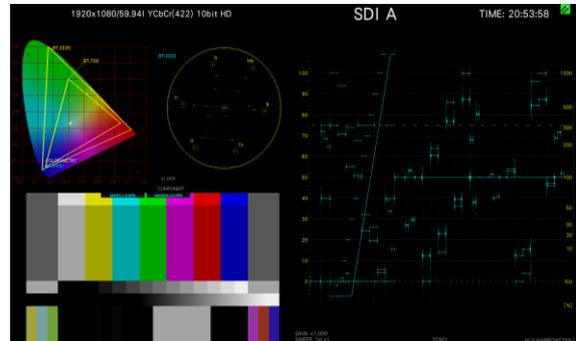
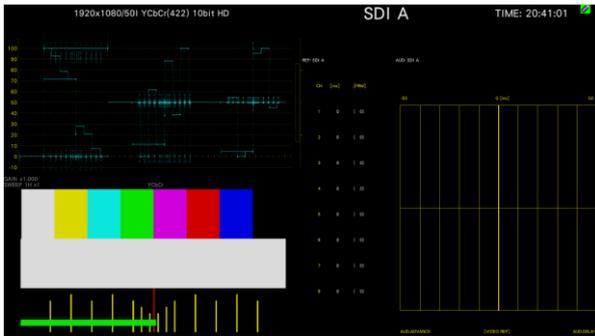
Also **new** for the LV5600 and LV7600 is the IP test pattern generator option (**SER32**) for use with the option LV5600/LV7600-SER06. This combination supports IP transmission standards corresponding to SMPTE ST 2110-20/30 and /40. The video signal generate can create test patterns in HD through to UHDTV (3840 x 2160). Stress testing of network infrastructure is made possible by the addition of packet errors and packet jitter.

NMOS IS-04 and IS-05 are now available as standard on both the LV5600 and LV7600, enabling seamless integration into managed networks.

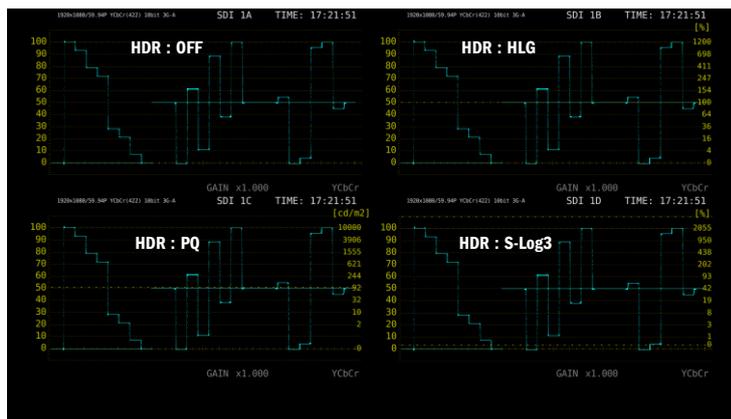
Also being introduced to the LV5600 and LV7600 is a signal to noise meter capability. The (**SER30**) option is designed for camera noise measurement, displaying the video noise included in the luminance channel, or RGB components of an SDI source.

Enhancements to Leader Zen Series

SER03 / SER20 – Lip sync display measurement display and test signal Generator **SER24**, enable engineers to easily identify timing differences between video and audio in both frames and milliseconds.



Test signal generator **SER24**, also features an HDR test pattern as well as OETF for BT-709, HLG and PQ. Thus, allowing facilities to ensure that HDR monitors are correctly setup, prior to any HDR



SER24 - High Dynamic Range allows multiple 'Transfer Characteristics' to be displayed simultaneously in HD, allowing vision engineers to monitor both HDR and SDR images simultaneously.

Leader products will also be showcased on following partner booths at the show

- **BROADCAST SOLUTIONS** – 0.E02, 8.C77
- **BRIDGE TECHNOLOGY** – 1.A71
- **EVERTZ** – 1.D31, 1.F29
- **FOR.A** – 2.A51
- **GRASS VALLEY** – 9.A01
- **IKEGAMI** – 12.A31
- **IP SHOWCASE** – E106 / 107
- **PANASONIC** – 11.C45
- **PHABRIX** – 10.B12

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