

LEADER PRESS RELEASE

Leader Announces IBC 2023 Debut of JPEG XS Quality Control Options for LV5600 Waveform Monitor and LV7600 Rasterizer

Accompanying image shows the Leader LV5600 waveform monitor with JPEG XS measurement display.

London, UK, [draft date 22 June 2023]: Leader Electronics (www.leader.co.jp/en) will demonstrate the latest additions to its wide range of broadcast measurement and monitoring solutions at IBC 2023, co-exhibiting with PHABRIX on stand 10.C01.



Making their IBC debut will be option LV5600-SER33 for the Leader LV5600 waveform monitor and its LV7600-SER33 equivalent for the Leader LV7600 rasterizer. Purchasable as a license option which can be activated for new or existing instruments, the SER33 toolset offers television broadcast production teams the resources they need to check the quality of their JPEG XS feeds during pre-transmission system alignment and during live content delivery. Incoming JPEG XS signal streams can be decoded within the test instrument for comparison with uncompressed sources using the multiscreen facilities common to the LV5600 and LV7600. The toolset also includes a JPEG XS test pattern generator.

“JPEG XS is rapidly gaining popularity among media professionals as a highly efficient, visually lossless, low latency data format for critical applications such as broadcast contribution feeds, studio-to-transmitter links and virtual reality,” comments Kevin Salvidge, Sales Engineering

Manager at Leader Europe. “JPEG XS compresses the data volume by up to 15:1, dependent on the amount of detail and movement in the transmitted image. It includes HDR compatibility and can accommodate bit depths of up to 16 bits per component channel. Most important of all, the protocol also offers a high level of multi-generation encoding/decoding robustness.”

Housed in a half-rack width 3U desktop chassis with a touch-screen front panel display, Leader’s LV5600 waveform monitor provides the facilities needed to monitor SDI as well as video-over-IP signals seamlessly in a hybrid operating environment. Engineering-related features include test pattern generation, eye pattern display, closed-caption monitoring, CIE chroma chart, HDR measurement, focus assist, customizable screen layout, tally interface, 4K/UHD operation, 10G/25G IP input and 12G-SDI interfaces. SMPTE 2022-6, SMPTE 2022-7 and SMPTE 2110 protocols are all supported. Also incorporated are Leader's CINEZONE and CINELITE which allow fast and intuitive quality monitoring by content production staff.

The Leader LV7600 rasterizer offers the same capabilities as the LV5600 but in a low-profile 19 inch 1U form-factor for easy rack or desk mounting.

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Leader (www.leader.co.jp/en) has earned a worldwide reputation for designing and manufacturing highly reliable, practical, and powerful test & measurement instruments. Leader products are specified for broadcast, production, post-production, research, product development, and service applications. Manufacturing quality is built in every step of the way. The Leader product range includes award-winning 3G/HD/SD SDI waveform monitors and rasterizers, all with customizable layouts. Among the available options are 8K, 4K/UHD, CIE chroma chart, HDR measurement, test pattern generation, eye and jitter measurement, closed-caption display, IP, and 12G/6G-SDI. Leader has helped many customers manage their transition from analog to digital, from SD to HD, from HD to 4K/UHD, from SDR to HDR, and from BT.709 to BT.2020 wide chroma gamut. Leader also provides SMPTE ST2022-7 and ST2110 support for the transition from SDI to IP.

Contacts for further information

Leader Electronics Corporation

TEL : +81-45-541-2123 E-mail : sales@leader.co.jp