tvtech

GREEN TRANSMISSION p. 24

Environmental Spotlight

GREEN GOALS

Promoting sustainability in Media & Entertainment

+

equipment guide
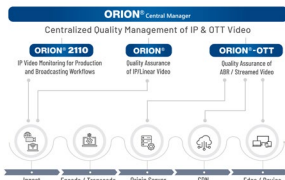test/qc & signal monitoring/
video monitors

FUTURE

Interra Systems
ORION Monitoring Suite for Linear/IP/Live/ VOD Streaming

Interra Systems has introduced a range of comprehensive updates to improve streaming quality and monitoring efficiency for its ORION suite, designed for monitoring linear, live, and OTT streams. The new features enable easy and efficient root-cause analysis for the most common to complex errors and issues faced by operators. Additionally. ORION now includes IPv6 for automating IP address assignment and improving security with IPsec encryption.

For ad (DAI) monitoring, users can compare ad scheduling information with DAI markers and get alerts for propagation issues. ORION-OTT's latest updates introduce new features like localization, certification for the latest OS, Dolby Atmos integration, and enhancements in DAI, server-side ad monitoring, low-latency streaming, and DRM support.
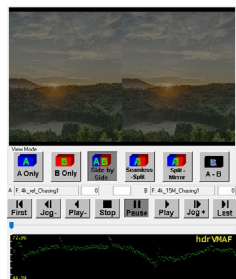
www.interrasystems.com

Avateq
AVQ1050

Avateq's AVQ1050 ATSC 3.0 BPS Receiver and Synchronizer synchronizes the timestamp at the transmitter site (Synchronizer mode) or to extract the timestamp and other related information from the ATSC 3.0 signal remotely (Receiver mode). It also provides all necessary RF measurements to verify the quality of the signal at the point of signal capturing and gives an engineer additional tools to ensure proper operation of the Broadcast Positioning System.

Modes of operation include BPS Synchronizer (transmission path delay estimation and adjustment) and BPS Receiver (test, validation, and characterization of BPS deployment). Supported features include: communication interface with transmission equipment and PID based feedback loop to adjust ATSC 3.0 TIP; ATSC 3.0 Bootstrap Time of Arrival measurement and bps_info update, and more.

https://avateq.com

Black Box
Emerald DESKVUE

Black Box's TAA-compliant small form-factor Emerald DESKVUE KVM-over-IP receiver allows users to create a personalized workspace where they can simultaneously monitor and interact with access to up to 16 different preferred systems—physical, virtual and cloud-based—of their choice. All systems are displayed as individual windows on up to four 4K or curved (5K) monitors.

Users can arrange these windows in any way. Switching between systems happens automatically in the background as users perform their tasks, removing any need for manual switching commands—or even awareness of system changes. New features include locking favored system tiles and easier, faster switching among tiles, as well as an exclusive work mode and personalized on-screen layouts—resulting in a tailored workspace with the most flexible system integration and visualization landscape.

www.blackbox.com/en-US

Blackmagic Design
SmartView 4K G3

SmartView 4K G3 is designed to be the ideal video monitoring solution for broadcast and live production and is the first Ultra HD monitor that supports both 12G-SDI and 2110 IP inputs up to 2160p60. Users can switch between SDI and IP at the push of a button and the unit follows the video input so it will switch between all SD, HD or Ultra HD standards automatically.

SmartView 4K G3 includes AC and 12V DC power connections and monitoring controls such as focus peaking, H/V delay, blue only and framing guides. Users also get built in 3D LUTs for adding creative looks, converting log film gamma or handling custom HDR profiles. SmartView 4K G3 is shipping worldwide and available for $1,265.

www.blackmagicdesign.com

Video Clarity
ClearView w/ HDRMAX Quality Assessment

With more streaming services applying the latest high dynamic range (HDR) implementations for video content delivery, Video Clarity has responded by introducing two new HDR full-reference quality metrics using HDRMAX, an independently developed set of HDR extensions to current standard dynamic range (SDR) quality metrics.

These enhancements extend the useful life of the most popular and current SDR metrics for an HDR video quality test workflow. Developed by the University of Texas at Austin Department of Electrical and Computer Engineering, Video Clarity's HDRMAX now provides an HDR quality metric extension for VMAF and MS-SSIM as a standard feature in the ClearView Video Quality Analyzer.

https://videoclarity.com

Ikegami
HM-2460WA and HLM-1860WR

Ikegami's two new broadcast-quality monitors include the 24-inch HLM-2460WA and 18.5 inch HLM-1860WR. Together with the 9-inch HLM-960WR, these new monitors form Ikegami's 60-series broadcast HD monitor line up, all with 1920x1080 pixel resolution.

Developed from its HLM-2460W predecessor, the HLM-2460WA has a 1920x1200 pixel IPS LCD with 1,800:1 contrast ratio and 400 nits peak brightness. Features include PIP and side-by-side display, onscreen markers plus R/G/Y tally. UMD facilities are provided in addition to closed caption and VITC display. Test signals include waveform and vectorscope, dot-by-dot plus 2x/4x zoom. Audio capabilities include SDI audio de-embedding, eight-channel level metering and 5.1 down-mix.

www.ikegami.com