

Tektronix Expands 4K/HDR/WCG Support to Simplify Work in Live and Post-Production Applications

WFM5200, WFM8300 and PRISM Now Provide Support for More Standards and Use Cases

BEAVERTON, Ore., March 27, 2018 /[PRNewswire](#)/ -- Tektronix, Inc., an industry-leading innovator of video test, monitoring and diagnostics solutions, today announced expanded support for 4K/Ultra High Definition (UHD), High Dynamic Range (HDR) and Wide Color Gamut (WCG) across its WFM/WVR 8000 Series and PRISM IP/SDI waveform monitoring and analysis platforms. The small form factor WFM/WVR 5200 series now also supports HDR gratitudes for those producing 1080p HDR. These enhancements will enable content providers to more easily capture and produce stunning content using the latest technologies.

The video industry is aggressively making the move to 4K HDR/WCG content creation, with most new truck and facility builds incorporating these technologies. Successful production of HDR/WCG content, however, requires the right tools and new measurement techniques. Camera setup, for example, is more crucial than in the past given the risk of creating issues (e.g. noise in dark areas) that can't be fixed in post production. New techniques are also required to monitor the various camera log formats and conversion to PQ (perceptual quantizer) or HLG (hybrid-log gamma).

"HDR/WCG content production is the future and Tektronix is stepping up with the comprehensive monitoring solutions that both the new generation of media providers and traditional broadcasters need to deliver differentiated services," said Charlie Dunn, general manager, video product line, Tektronix. "Whether its live or post production, Tektronix gives our customers the confidence that their content will stand out from the crowd."

The 4K HDR/WCG enhancements span the full range of Tektronix waveform monitors as well as the PRISM hybrid SDI/IP media analysis platform. Here are the highlights:

WFM/WVR5200 – With the purchase of the PROD option, HDR is now available on this smaller, lower-cost unit that with its shorter 5.5-in. depth is ideal for use in smaller OB vans and trucks. Enhancements include new camera log gratitudes, HDR gratitudes for PQ & HLG.

WFM/WVR8300, WFM/WVR8200, WFM/WVR7200 – These instruments now feature extended support for HDR with the inclusion of the HLG1000 gratitudes for use in live production as well as support for active picture area and Dolby E Guardband measurements against a black burst reference. Other enhancements include luma and gamut bright ups and user selectable HDR limits.

Tektronix waveform monitors and rasterizers provide flexible options and field installable upgrades to monitor a diverse variety of video and audio formats. Support for video formats includes 4K/UHDTV1 (4096×2160 and 3840×2160), 3G-SDI, Dual Link, HD-SDI and composite analog. Support for audio formats includes Dolby E, Dolby Digital Plus, Dolby Digital, AES/EBU, embedded audio and analog audio.

PRISM – This platform delivers broad connectivity capabilities for both IP and SDI systems and provides innovative solutions for luminance setup and measurement of HDR signals coupled with automated conversion between a broad range of transfer functions and color spaces. The new STOP display simplifies HDR camera exposure setup for operators by helping them avoid unexpected clipping in highlights or excess noise in the shadows. The new software now adds support for conversion from ITU BT.2020 to ITU BT.709 as well as from S-Log, LogC, PQ and HLG to ITU BT.709 that can be applied to picture, waveform, vector, and diamond displays. This allows users to leverage their familiar displays in ITU BT.709 color space for HDR/WCG content creation.

With the latest enhancements, PRISM becomes a comprehensive production tool solution for 4K, HDR/WCG content creation. PRISM allows camera shading engineers and operators, who are shooting live sports broadcasting or episodic dramas, to quickly calibrate and balance multiple cameras with a variety of output signal characteristics. PRISM is also well-suited for camera acquisition applications in OB vans and production studios.

Availability

The latest HDR/WCG capabilities can easily be added to PRISM and existing Tektronix waveform monitors and are now available with the purchase of Option PROD (a field upgradeable software-only option). Customers with a valid existing software option key license for PROD can upgrade their instruments free-of-charge with new firmware that can be downloaded from tek.com. To learn more about Tektronix 4K HDR video test & monitoring solutions, visit: tek.com/4K.

Wondering what else Tektronix is up to? Check out the Tektronix [Bandwidth Banter blog](#) and stay up to date on the latest news from Tektronix on [Twitter](#) and [Facebook](#).

About Tektronix

Headquartered in Beaverton, Oregon, Tektronix delivers innovative, precise, and easy-to-operate test, measurement and monitoring solutions that solve problems, unlock insights, and drive discovery. Tektronix has been at the forefront of the digital age for over 70 years. Join us on the journey of innovation at TEK.COM/VIDEO.

Tektronix is a registered trademark of Tektronix, Inc. All other trade names referenced are the service marks, trademarks, or registered trademarks of their respective companies.

SOURCE Tektronix, Inc.

For further information: Amy Higgins, Worldwide PR & Brand Manager, Tektronix, 503.627.6497, ahiggins@tektronix.com

Additional assets available online:  [Photos \(1\)](#)

<http://news.tektronix.com/2018-03-27-Tektronix-Expands-4K-HDR-WCG-Support-to-Simplify-Work-in-Live-and-Post-Production-Applications-1>