

PRESS RELEASE

For immediate release

OmniTek to Reveal CIE Colour Chart Analysis at NAB

4 February 2009: Innovative test and measurement manufacturer OmniTek today announced it is to show its new CIE Colour Chart analysis functionality for the OTM 1000 3Gb/s waveform monitor, signal analyser and generator for the first time at this year's NAB on booth SL5929.

"The CIE colour space is the most widely accepted, international standard way of defining colour. First established in 1931 it allows chromaticity to be defined with wavelengths in nanometers," explains Mike Hodson, president of OmniTek. "However, until now it has not been possible to measure down to this level of colour definition accurately with a video analysis system. The CIE Colour Chart functionality within the OTM 1000 to be revealed for the first time at NAB will be available to address this need and will be particularly relevant for post production houses working in a HD environment which need to analyse colour as accurately as possible."

The OTM1000 itself provides reliable, multi-format and multi-channel signal generation plus comprehensive input data analysis capabilities. The system is compatible with all available single-link and dual-link SDI signals at bit-rates up to and including 3Gb/s. There is also the option to provide full SDI physical layer analysis, including the world's first production 3Gb/s SDI eye pattern display.

Digital Cinema video standards use XYZ colour space which has a wider gamut than conventional RGB colour space and covers all visible light. The CIE colour chart enables the user to determine if a video signal is within this visible gamut, or the gamut for the RGB primaries used for the digital cinema display and compare this to the gamut of traditional film stock.

"The CIE Colour Chart functionality underlines our continued commitment to bring some of the most creative and leading edge test and measurement technology to our clients," continues Hodson. "This major enhancement to the OTM 1000 is just one of the exciting

innovations we will be revealing in Las Vegas which will be of benefit to broadcasters, R&D departments and post productions houses across the world.”

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About OmniTek:

OmniTek is an innovative test and measurement company formed in 2001, specialising in the development of video analysis equipment for SD, HD and digital cinema applications. In 2008 OmniTek was awarded a Queen's Award for Enterprise, for innovation on the XR system. Additional information is available from <http://www.omnitek.tv>

OmniTek's Solutions

OmniTek OTM1000

The OTM 1000 is a waveform monitor, signal analyser and generator ideal for R&D labs, OB trucks, machine rooms and as a direct replacement for outdated scope boxes.

OmniTek OTR1003

The OTR 1003 has the same functionality as the OTM 1000 but comes as a rack-mounted option. It is designed specifically to meet the needs of design engineers working with the new 3Gb/s SDI signals.

OmniTek TQ and TQ-Lite

The OmniTek TQ system is tailor-made for broadcasters who need a comprehensive monitoring system for all their video, audio, and metadata needs. It contains high-resolution waveform and vectorscope displays, full audio monitoring capabilities (including Dolby E metadata), audio/video delay measurements, error logging, and MPEG macroblock detection. The new TQ-Lite is a highly cost-effective version of the TQ, optimized for entry-level HD monitoring applications.

OmniTek XR

OmniTek XR is the first and only image analysis system specifically designed for colorists and post-production editors working in HD, dual-link, and digital cinema environments. The XR provides many unique features not available on other systems. These include "extreme resolution" waveform and vector displays; real-time colour histograms in a variety of different gamuts; support for all 2k and dual-link input formats; user-programmable LUTs to correct for non-linear inputs, and support for XYZ colour space. OmniTek XR is the system of choice for all high-end post-production facilities, and is fully endorsed by all the leading colour grading system manufacturers.

OmniTek PQA

OmniTek PQA is a unique full-reference picture quality analysis system for real-time comparison of video streams in all SD and HD formats. The PQA can compare images and sequences from live SDI inputs or from data files stored on disk or transferred over a network. The system has an automatic time delay compensation capability, to line up reference and test signals with different time offsets. The PQA is used by R&D companies developing new codec technologies, by broadcasters comparing the quality of different tape formats or archival systems, and by transmission engineers measuring picture degradation through a lossy transmission path.

OmniTek LAB

OmniTek LAB is the industry-standard system for digital video generation and analysis, and is used by engineers in all the major broadcast equipment manufacturers worldwide. LAB offers a unique combination of full-motion video test pattern generator combined with waveform

monitoring and comprehensive data analysis capabilities. The system provides a "one stop shop" for all a video engineer's testing requirements in SD and HD formats.

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