

## **Thomson Adopts Tektronix Waveform Monitor for 3 Gb/s SDI Interoperability and Compliance Testing**

### **Tektronix WFM7120 Helps Thomson to Verify Compliance for SMPTE 3 Gb/s Single Link Serial-Digital-Interface for High Quality Video Distribution and Broadcasting**

BEAVERTON, Ore., April 12, 2008 - Tektronix, Inc., a leading worldwide provider of test, measurement and monitoring instrumentation, announced that Thomson, one of the leaders in digital video technologies, has adopted the Tektronix WFM7120 waveform monitors to achieve 3 Gb/s Single Link Serial-Digital-Interface (SDI) compliance (SMPTE 424M and 425M standards) for its new Thomson Grass Valley 8943 RDA 3 Gb/s HD/SD re-clocking distribution amplifier. Through use of the Tektronix WFM7120 Waveform Monitor with 3 Gb/s SDI support, broadcasters can now be assured that all Thomson Grass Valley infrastructure products will meet the SMPTE 424M and 425M standards.

With the 1080p standard gaining strong traction, many of Thomson's customers have found that existing 3 Gb/s products on the market are not fully compatible as a result of not having proper test equipment available during the design process. With the new Tektronix WFM7120 Waveform Monitor that provides 3 Gb/s SDI support, Thomson is able to assure its broadcast customers that its infrastructure products will meet the SMPTE 424M and 425M standards.

Providing the ability to cleanly process and strengthen 1080P 50/59.94/60 (3 Gb/s) HD video signals in order to distribute them further, the new Thomson Grass Valley 8943RDA distribution amplifier (to be shown at NAB 2008 in booth #SSL106) features eight reclocked outputs for its input and includes automatic format detection. It's designed to help broadcasters make a smooth transition from standard-definition to high-definition and to increase their HD capability to include the highest quality HD signals now available.

"We have been working with 3 Gb/s SDI test technologies for the past two and a half years," said Don Thomas, Senior Product Manager, Facility Infrastructure for Thomson. "Early component integration proved unreliable. First iteration test and measurement equipment didn't allow us to adequately profile our products. The Tektronix WFM7120 Waveform Monitor solution is reliable, compliant to SMPTE standards, and enables us to ensure interoperability among our 3 Gb/s SDI products."

3 Gb/s SDI provides a means of transporting high-bandwidth 1080P (also known as Full HD) signals conforming to SMPTE 424M and 425M standards. With the 1080p standard now emerging in earnest, many customers have found poor interoperability among 3 Gb products on the market. Both WFM7020 and WFM7120 waveform monitors are able to solve that problem because they provide standards compliance verification support for 1080P 50/59.94/60 Level A and Level B formats. The WFM7120 also provides a solution for evaluating the physical layer performance on a single-link 3Gb/s interface with the new jitter measurement option.

#### About Tektronix

Tektronix is a leading supplier of test, measurement, and monitoring products, solutions and services for the communications, computer, and semiconductor industries - as well as military/aerospace, consumer electronics, education and a broad range of other industries worldwide. With 60 years of experience, Tektronix enables its customers to design, build, deploy, and manage next-generation global communications networks, computing and advanced technologies. Headquartered in Beaverton, Oregon, Tektronix has operations in 19 countries worldwide. Tektronix' Web address is [www.tektronix.com](http://www.tektronix.com).

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