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For HD Post-production

SyntheSys Research Debuts HD292 High Definition Video Test System with Time Code At NAB 2002

Extended Features Enable Filmmakers to Verify Digital Signal Quality, and Pinpoint Extensive Information Identifying Any Digital Clip

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Las Vegas, Nev.—April 8, 2002—SyntheSys Research, Inc., a leading manufacturer of test and measurement equipment providing rapid error identification in high-speed digital data streams, is introducing the HD292 High Definition Video Test System with Time Code—the most comprehensive combination analysis and generation test system available for high-definition serial digital production.

The system solves two key issues in HD production:

• It enables engineers and technicians to analyze the output of HDTV recording systems, assuring perfect digital signal quality and/or identify signal errors. This assures zero-defect mastering of any full-bandwidth digital recording for television or motion picture release.

• It enables editors to pinpoint any digital clip associated with a specific production with greater speed and accuracy than any other time code system/reader (including SMPTE, RP188, RP-196 and proposed RP-215 standards).

This swift identification is crucial for digital production because it ensures that the correct digital take is used, and enables editors to go swiftly and accurately to the source clip if corrections and updates are required.

"Simply put, this is one terrific solution for anyone involved in digital production," said Barbara Good, chief telecine engineer for Level Three Post-production in Burbank, California. "SyntheSys has identified two crucial needs in HD production—digital signal purity and clip identification—and made it available to us in one system. It's a quality piece of engineering."

Noted Bob Titus, SyntheSys video product line manager, "As high-definition serial digital systems become increasingly prevalent in broadcast and production facilities, the quality

and integrity of those signals become all-important. We developed the HD292 analyzer to assure that both signal format and compliance remain consistent, and provide the user with results that are intuitive and able to assure the authenticity of every clip used in any digital production.

"The introduction of RP215 timecode to our system will benefit both the production facility and their clients allowing them to quickly identify key-code information, and which film rolls and takes were used in the film transfers. This will assist in minimizing delays in production and possibly minimize remakes."

More About Digital Signal Analysis

The HD292 High Definition Video Test System supports all HDTV formats including film-oriented "segmented frame" formats. With the addition of the optional signal generator function, the HD292 is capable of both stimulating and evaluating high-definition systems in all formats. The analyzer performs both format and physical layer testing, including the world's first eye diagram and FFT jitter spectrum analysis features for the 1.485 Gbps high-definition SMPTE 292M signal.

More About Digital Clip Identification

The system enables editors to read time code based on SMPTE standards RP-188, RP-196 and RP-215. The latter contains extensive information on any digital clip including (but not limited to) the film roll from which the clip originated, the day it was shot, the camera used to shoot it, the time it was shot, what facility transferred it, when it was transferred and similar metadata. The HD292 offers complete retrieval of this information from any single HD digital source material.

System Specifications

The HD292 High Definition Video Test System includes eye diagram display of the serial waveform, FFT spectrum analysis of jitter, automatic measurements of the waveform parameters, and tests for format layer protocol compliance to SMPTE292M. An optional test pattern generator generates test patterns to stimulate systems under test in both normal and stressed conditions.

For price and availability please contact SyntheSys Research, Inc. via its website at www.synthesysresearch.com.

About SyntheSys Research

SyntheSys Research, Inc., supplies advanced digital channel error analysis instruments to the communications, recording and digital video industries. A privately held California corporation founded in 1989, the company's mission is to develop new, advanced test instruments in high-

speed electronics, highly integrated microprocessors, and software. SyntheSys' patented BitAlyzer® analyzers study the location of errors in a data stream in addition to counting errors, providing more detailed information for engineers to discover the source of errors. Major global clients owning SyntheSys products include ABC (US), Allied Signal, Boeing, CBS, CNN, Fujitsu, Harris, HBO, Hitachi, Hughes, IBM, Laser Pacific, Liberty Media Group, Lucent, NASA, National Semiconductors, NEC, Nortel, Panasonic, Philips, Samsung, Sony, TRW, US Air Force and the US Navy. For further information, call (650) 364-1853 or see the company website at www.synthesysresearch.com.

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