



3475-D Edison Way  
Menlo Park, California 94025  
650 364-1853 650 364-5716 fax

## **FOR IMMEDIATE RELEASE**

### **SyntheSys Research Introduces Advanced HDTV Digital Signal Analysis Systems at NAB 2001**

#### **New-generation BitAlyzer® Systems Enabling Real-Time High-speed Bit Error Rate Analysis Also Making Debut**

---

**Las Vegas, Nev.—April 23, 2001**—SyntheSys Research, Inc., the industry leader in providing advanced digital analysis test and measurement equipment, introduced new digital analysis systems during NAB 2001 for high-definition television, standard-definition video, and telecommunication applications. The company also displayed live demonstrations of high-definition signal analysis, using a VTR source channeled through a router, demonstrating the effectiveness of the company's High Definition Test System.

SyntheSys Research ([www.synthesysresearch.com](http://www.synthesysresearch.com)) is located at the Sands Conference Center in Booth i5952.

Its newest system, the HD292 High-Definition Video Test System, is the most comprehensive combination analysis and generation test system available for HD serial digital signals (SMPTE292M).

Aimed at engineers who design and/or maintain HDTV systems, it supports 14 commonly used HD formats and tests both physical and format layers of the digital HD stream. Uniquely, the HD292 provides both eye diagram and jitter spectrum analysis for 1.485 Gbit HD SDI signals. Via an optional generator function, it exclusively offers both motion and format stress on all 1.5 Gbit test and natural patterns. The unit comes with a new rugged chassis for improved transportability, a new "Bright Display" interface with touch screen operation, and a new system processor.

The unit will be shown in a test configuration during the show, with active video being sourced from VTRs and other sources through routers.

The company also introduced two new systems in its award-winning BitAlyzer™ product line.

- The BA14400 BitAlyzer®14400 Parallel Bit Error Ratio Analyzer enables data analysis of 16 simultaneous channels at up to 14.4 Gbits per second. Designed to assist development and manufacturing engineers who test high data rate, multi-channel systems and 16:1 multiplexing devices, it consists of separate data generator and detector modules and is available with ECL, PECL and LVDS interfaces.

- The BA1000 BitAlyzer®1000 Bit Error Analyzer analyzes error rates in real time at 1 gigabit per second (Gbit/s)—38 percent faster than previous models. It enables electronic designers and technicians to design, debug, prepare for product certification and monitor digital signals.

Also being demonstrated is the BitAlyzer® DVA184C Bit Error Analyzer, which performs comprehensive testing of serial digital interface (SDI) verifying compliance with SMPTE 259M and 125M, and ITU-R BT.601 and BT.656 standards. The system features a new chassis, and offers the “Bright Display” and touch screen features similar to the HD292 system.

“SyntheSys Research now features a range of digital analysis systems for the most simple digital systems to complex HDTV systems,” said Tom Waschura, president and co-founder of SyntheSys Research. “As digital signal accuracy becomes even more crucial in the all-digital age, SyntheSys Research has the most thoroughly trusted systems in the electronics industry.”

### 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), Agilent, Allied Signal, Boeing, CBS, CNN, Fujitsu, Harris, HBO, Hitachi, Hughes, IBM, Lucent, NASA, National Semiconductors, NEC, Samsung, Sony, Tektronix, TRW, US Air Force and the US Navy. For further information, call (650) 364-1853 or see the company website at [www.synthesysresearch.com](http://www.synthesysresearch.com).

# # #

#### PR contact:

Skip Ferderber  
Skip Ferderber & Associates PR  
Phone: 425.315.1724  
[skip@skipf1.com](mailto:skip@skipf1.com)

Michelle Brown  
SyntheSys Research, Inc.  
Phone: 650.364.1853.  
[michelle\\_brown@synthesysresearch.com](mailto:michelle_brown@synthesysresearch.com)