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Signatec Unveils 700 MB/s Analog-to-Digital Recording System

Signatec's systems lead the industry for affordable, continuous acquisition and analog record solutions.

Newport Beach, California – November 6, 2006 – Signatec's state-of-the-art high-speed waveform capture products transform near-real time PC environments into high-speed, real-time data recording (DR) systems. Signatec's high-speed DR-series systems are capable of continuously recording up to 700 million samples per second direct to disk storage without any loss of data.

Leveraging high-performance commercial-off-the-shelf (COTS) technologies and its 18 years of advanced signal technology experience, Signatec engineered the powerful DR-series to be both an affordable and flexible recording solution. Up to eight acquisition channels can be housed in one system, as well as options for 1 GB/s real-time processing and arbitrary waveform playback capabilities.

“Since 1988, Signatec has designed and manufactured continuous, high-speed real-time systems,” said Anthony Hunt, Chief Technology Officer for Signatec, Inc. “As a result, not only do we have the proper understanding of what it takes to engineer continuous 700 MB/s disk storage recording solutions with significant functional flexibility, we can deliver these advanced systems at a cost Signatec's customers respect.”

The Solution is in the DR-Series Systems

Signatec's DR family of continuous recording systems blends performance with flexibility to meet demanding user requirements. Three standard recording configurations offer solutions to satisfy varying applications and budgets: 700 MB/s, 350 MB/s and 250 MB/s. Additionally, Signatec offers recording system options with up to eight channels, as well as 8-bit and 14-bit A/D resolution.

The 8-bit options have peak sample rates of 1 GHz per channel and the 14-bit options can sample at up to 100 MHz per channel. Advanced recording features are built into the system to allow for various segmented or pulse-based acquisitions, as well as channel interleaving, for intelligently maximizing the continuous 700 MB/s of recording bandwidth.

The DR-Series of analog to digital recorders are designed with the understanding of how to take what can be non-real-time components, such as hard disks, and effectively create a real-time recording system. This is what separates the Signatec recording solution from other acquisition and RAID systems that either lose data or can't sustain continuous data throughputs.

Optional features include streaming the digitized data at up to 1 GB/s to Signatec's real-time parallel processing solutions to create best-of-industry data acquisition, real-time processing

and recording systems. If user applications also require signal playback features, Signatec's signal waveform generator component features can be added to deliver 16-bit, 1 GHz analog solutions. The scalability and flexibility Signatec designed into its systems creates one of the highest performance yet versatile signal technology solutions on the market.

"Signatec's customers benefit from the unprecedented performance of our high-speed, continuous waveform recorders and real-time processing systems," said Tom Wagner, Signatec's Director of Marketing, "When you factor in all of Signatec's performance capabilities, and note the comparable low cost of our systems, Signatec delivers exceptional value to the commercial, aerospace, defense and intelligence industries."

About Signatec, Inc.

Signatec, Inc. is a manufacturer of PC-based systems for very high-speed data acquisition, signal processing, waveform playback and mass storage applications. The Newport Beach, California-based company has served both commercial and federal markets for over 18 years. For more information, visit online at www.signatec.com