



For Immediate Release

KineticSystems Launches Powerful Soft Front Panel Application for PXI/CompactPCI Products

Lockport (Illinois), USA (May 8, 2008) – KineticSystems, an industry leader in high-performance data acquisition products and services, is pleased to announce the launch of SoftView™, a simple yet powerful tool that integrates KineticSystems' entire line of PXI/CompactPCI instruments into a single software package.

At the touch of a button, the user can invoke operations on the instrument such as calibration, reset, data acquisition start and stop. The touch of another button brings up a dialog for configuring all of the instrument's properties such as overall sample rate, individual channel enable, filter range, and input level properties.

"SoftView represents a new standard for PXI/ CompactPCI instrumentation software," said Patrick Cassady, Executive Vice President of DynamicSignals LLC. "Other vendors provide minimal written documentation and sample code to demonstrate only the instrument's basic capabilities. SoftView not only provides immediate access to *all* of an instrument's capabilities and features through a simple point-and-click graphical user interface, but it also allows the user to easily construct fully integrated multi-instrument systems, with no programming required," Cassady added.

Once the instrument is configured, the Start button in SoftView activates data acquisition: the instrument is placed in run mode, and the input signals from enabled channels are displayed in a real-time graph window or a numeric table. Autonomous events (interrupts) are displayed as well. With just a few simple mouse clicks, the user can explore the instrument's functionalities and properties, adjust filter, input range, debounce, and other settings, as well as start acquisition and test the results immediately.

Digital and analog output channels are driven by a simple expression syntax that combines discrete and continuous generation functions with arithmetic operators and conditional logic to create waveforms of arbitrary complexity. This expression syntax can also be applied to input channels, allowing real-time scaling, offsets, change of units, polynomial curve fitting, even synthesizing results from more than one channel. Output channels can be expressed in terms of analog or digital input values, or triggered in response to autonomous events.

SoftView can manage multiple instruments simultaneously, providing the ability to test a complex system of cooperating instruments. Data from digital and A/D input instruments is collected, manipulated and displayed, and can also be used to drive digital and analog outputs on other instruments.

SoftView is built on two underlying software libraries: the SoftView library manages the instruments in the system, while the Stream library manages input and output data from the instruments. In addition to controlling and querying instruments, the SoftView library provides the ability to query for the operations an instrument supports, including all of the instrument's properties, options, and help texts.

The Stream library contains the expression syntax engine, as well as all of the logic to convert raw data to final engineering units and record the data to a file — it even provides the real-time graph images displayed by SoftView. Application Programming Interfaces (APIs) are available for both of these libraries that greatly simplify the task of putting together a custom application featuring the capabilities of the basic SoftView package. Additionally, 3rd party instruments—including VXI, LXI and USB instruments—can be fully integrated under the SoftView library to create multi-vendor, multi-platform based applications.

The SoftView application is included at no charge with all of KineticSystems PXI/ CompactPCI products. For more information regarding SoftView or PXI/CompactPCI solutions from KineticSystems, please refer to the company's Web site: <http://www.kscorp.com/Products/software/> or <http://www.kscorp.com/Products/pxi/>.

About KineticSystems

KineticSystems (www.kscorp.com) is a brand of DynamicSignals LLC (DynamicSignals.com). KineticSystems' high-performance data acquisition solutions are used in demanding applications worldwide including cutting-edge research in aviation and aerospace, design and test of radar and communications equipment, automotive testing, manufacturing test, and ATE systems.

As a DynamicSignals brand focused on the Test & Measurement industry, KineticSystems is able to provide solutions for an even wider range of applications across the main platforms of CompactPCI, PXI, VXI, PCI, and CAMAC.

Other DynamicSignals brands include GaGe, Preston Scientific and Cyber Systems. GaGe provides cutting-edge signal capture instruments and solutions based on the PCI and CompactPCI/PXI platforms. The Preston Scientific product line offers a wide range of proprietary analog input channel amplifiers, filters, multiplexers, digital I/O interfaces and complete analog-to-digital conversion systems. Cyber Systems' product line offers the FM7000 Load Control System for structural testing, DM7000 Data Acquisition System and the PC-based Versaplex 2000NT Data Acquisition System, among other data acquisition products.

For Further Information

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