

Sierra Peaks has distinguished itself for over 70 years as a leader in design, development, manufacturing and integration of unique electro-mechanical systems for various branches of the US Government, Law Enforcement and Commercial sectors, including the aerospace and energy industries.

We combine the expertise of mechanical, electrical, software and systems engineering integrated with a full complement of manufacturing capabilities to create our solutions.

Headquartered in Albuquerque, New Mexico, the company employs a variety of professionals with comprehensive expertise in numerous specialized fields. The company prides itself on being agile, creative, and current with the integration of emerging technologies.

**Security Equipment**

- Micro & Miniature Body-Worn Devices
- Textiles & Soft Goods
- Audio & Video Systems
- Microphones

**Automated Test Equipment (ATE)**

- Electronic Test Systems
- Mechanical Test Systems
- Actuator Test Stands

**Test Range & Facility Systems**

- Data Acquisition Systems
- Test Facility Controls & Automation
- Precision Event Sequencer
- Single Shot DAQ

**Aerostructures**

- Data Collection Pods
- Sensor Pods
- Sampling Systems
- Mission Ready Pods

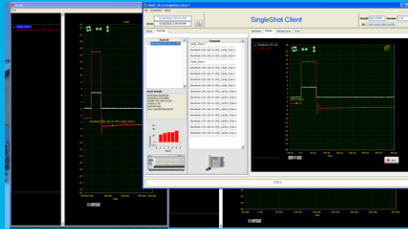
ISO9001:2015 Certified

Small Business

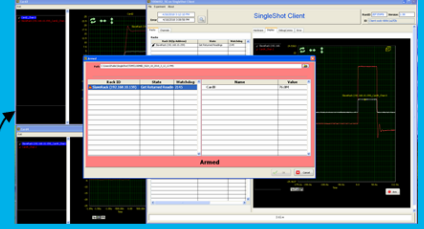
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# Single Shot DAQ



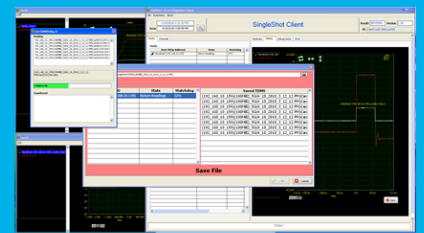
Load Experiment



100 Million Samples



Check Status



Retrieve Experiment From Server

Many high energy scientific experiments demand very high sampling rates combined with 100's of simultaneous channels to record very short events.

Sierra Peaks provides a complete software solution that allows scientists and engineers to collect valuable experimental data, without the need to write any code. Systems with as few as one or up to hundreds of digitizer channels can be up and running in a matter of hours.

Single Shot DAQ (SSDAQ) is designed specifically for single-shot, high-value data acquisition applications. SSDAQ supports key applications including conventional explosives, nuclear weapons safety testing, pulsed power, high power microwave, and pulsed laser directed energy applications.

Our software goes beyond simple data acquisition, by providing remote instrument control, full signal path documentation, database archival, and automated data analysis in a fully integrated package.

**Software Features:**

- Captures high speed data at up to 2.5 G Samples/sec
- Captures large data sets at up to 250 million samples per channel
- Highly Synchronized (<1ns)
- Flexible Triggering
- Check set-ups in real time
- Load and save experiment configurations
- Create undocked graphs to the experiment desktop
- Configure individual named vertical channels
- Multiple Clients can connect to multiple servers
- Pre-arm system status checking
- Captured data in TDMS format
- Options for custom post processing