VISION DAQ Software

Advanced analysis, real-time monitoring of ATI Devices, Third Party DAQ, and ECU Data. Accurate Technologies' easy to use VISION software is available as four cost-effective data acquisition packages with incrementing feature sets.

INTUITIVE design

POWERFUL POST PROCESSING FEATURES

REMOTE DASHBOARD CONNECTIVITY

VISIONview

Customizable, yet easy to use tool for analysis of recorded data.

Essential elements of any data analysis tool include the ability to manipulate and view data in a way that highlights results, differences, and specific events. ATI's VISIONview enables comparisons, overlaying, and detection of data or events while easily handling data sets with 1000+ channel counts.

VISIONview's powerful post-data analysis features include the use of XY plots to graph one variable against another, and file overlays to view data from multiple files on the same graph. Use VISIONview's Calculated Channels to enhance information, layout templates to expedite set up of similar tasks or tests, and the convenient Recorder Catalog for recording management. Import/export in popular file formats (MAT, MDF, HDF and ASCII) including the ability to export a reduced data set for focused analysis.

VISIONmeasure

Add the ability to view data during collection from ATI's EMX DAQ devices.

Collection and analysis are supplemented with a wide range of customizable display objects that enable viewing real-time data as it is acquired by ATI's range of data acquisition devices. Select from a collection of customizable display objects such as stripchart recorders, oscilloscopes, LEDs, gauges, and thermometers. Change colors, fonts, sizes and other appearance aspects of each individual object.

VISIONdaq

Advanced monitoring and analysis that includes third party CAN devices.

VISIONdaq offers recording, monitoring and analysis capabilities of not only ATI devices but also a broad range of third party CAN data acquisition devices.

VISIONdaq+

Include Electronic Control Unit data

VISIONdaq+ includes time aligned data from supported ECU interfaces using ASAM CCP or XCP protocols.

DATA ACQUISITION | ECU CALIBRATION | ECU RAPID PROTOTYPING | ECU INTERFACES | CAN BUS INTERFACES | NETWORK SOLUTIONS | TEST CELL MEASUREMENT
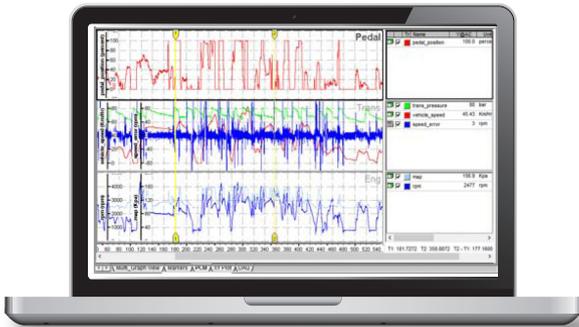
Software Features

Create Templates to Format
Saves time with an easy method for applying repeated formats to recorded files.
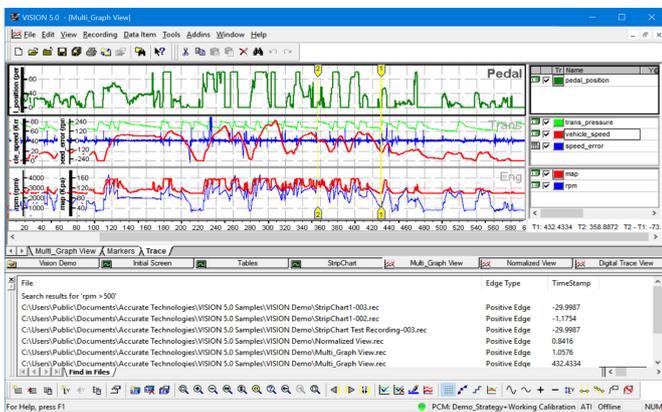
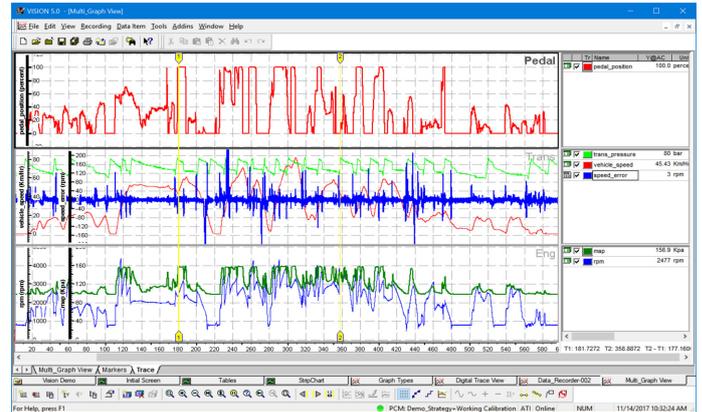Recorded Data

Template Applied

Find in Files
Enables searching for a specific user defined event that occurs across multiple recorded files. Double-clicking a search result opens the file at the event.
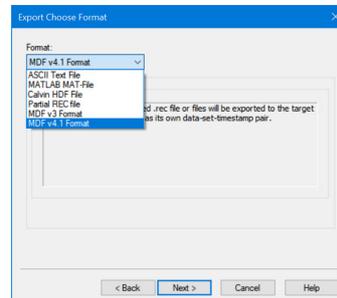

View Recordings
Simultaneously view graphs from multiple data recorders. Display trace data sets graphically and in tabular form with statistics.
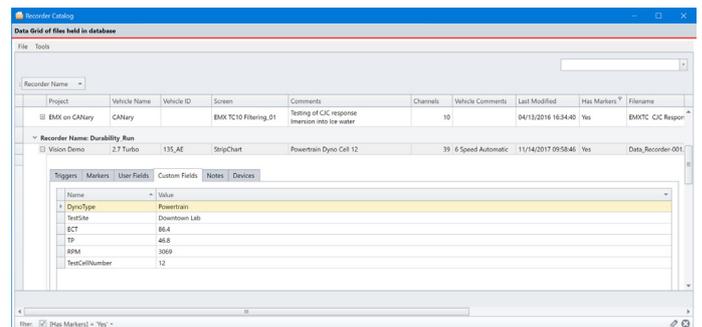

Import / Export Files
Import/export recorder files and export portions of recorded data into other formats.
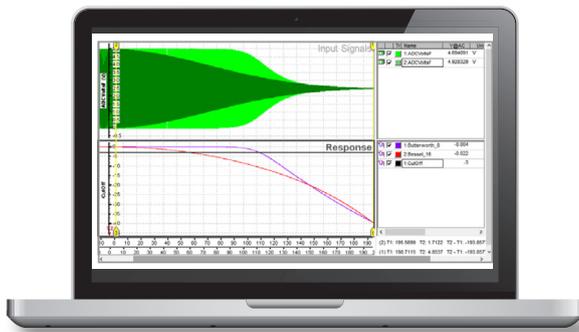

Recorder Catalog
Provides a searchable index of recordings using the metadata fields contained within them.
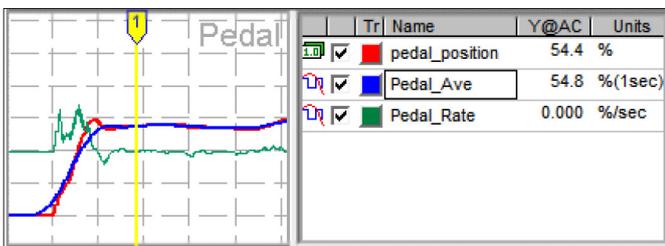
Software Features

File Overlay
Overlay multiple recorder files to perform a visual comparison. Easily shift each time axis to quickly align events from different data sets.
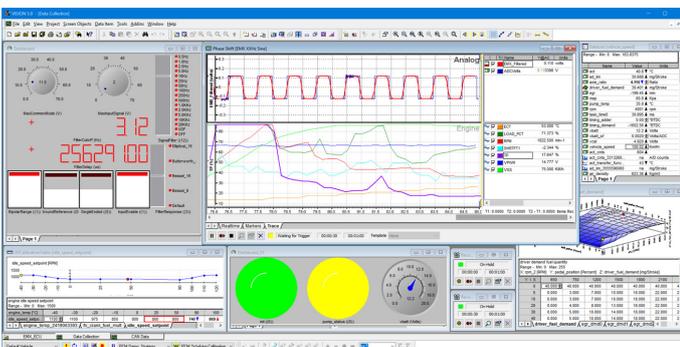

Calculated Channels
Create channels whose values are calculated from other data items in a recorded file.

Visualize Data While Recording
Use customizable screen objects real-time, such as LEDs, thermometers, state arrays, oscilloscopes, gauges and bar graphs.

Normalized Trace Mode
Automatically scale traces to fit in the graph. The Y-axis displays the proper scale and engineering units of the channel selected in the Graph Legend.

Third Party Devices
Collect data from third party data acquisition devices in addition to ATI's DAQ products, and use third party CAN Bus interfaces, such as Kvaser products.

ECU Interfaces
Monitor and record data from supported ECU interfaces using ASAM CCP and XCP protocols.

VISION DAQ Software Feature Comparison

Features	VISION view	VISION measure	VISION daq	VISION daq+
Configuration of ATI DAQ devices	✓	✓	✓	✓
Acquire and record data from all ATI DAQ devices	✓	✓	✓	✓
Place markers and annotations within recordings	✓	✓	✓	✓
Create line and XY plots	✓	✓	✓	✓
Select normalized or per-channel Y-axis scaling	✓	✓	✓	✓
Digital, line and step line modes	✓	✓	✓	✓
Overlay multiple recordings	✓	✓	✓	✓
Save and apply recording layouts with templates	✓	✓	✓	✓
Create recorded channels by applying formulas to incoming data	✓	✓	✓	✓
Add searchable comments and metatags to locate and organize files in the Recorder Catalog	✓	✓	✓	✓
Manage import / export of data file types, including ASCII, HDF, ASAM MDF and MAT	✓	✓	✓	✓
Use multiple independently triggered data recorders	✓	✓	✓	✓
View recorded data in a stripchart or tabular form	✓	✓	✓	✓
Graphically display live data		✓	✓	✓
Use customizable Data Lists, Strip Charts, LEDs, Gauges, Thermometers, Bar Graphs and others to view data		✓	✓	✓
Pause stripchart display while continuing to record data		✓	✓	✓
Record data from other third party CAN interface or data acquisition devices			✓	✓
Monitor and record data from supported ATI ECU Interfaces including CCP and XCP protocols				✓

Recommended Accurate Technologies DAQ Hardware

EMX Data Acquisition Devices
Delivering data integrity for use in VISION

The EMX Data Acquisition Series provides high-end configurable capabilities including advanced DSP filters, wide measurement ranges, selectable per-channel sample rates, and built-in sensor excitation outputs. All this in robust, compact packages that can be mounted as a distributed DAQ system virtually anywhere.

Select from a wide range of competitive cost per channel devices that offer different combinations of channel types, sensor excitation voltages, connectors and smallest possible enclosure sizes. All VISION software packages include the ability to configure and record data from EMX devices.

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