software

for the SIA Family

GigaView™

Analysis Software Modules Provide
Diagnostics and Single Button Compliance Tools

GigaView software on the Wavecrest SIA Family of Signal Integrity Analysis solutions delivers a comprehensive set of analysis tools in a remarkably easy-to-use interface that helps simplify timing, jitter and signal integrity characterizations. It not only allows design and test engineers to analyze device performance with greater accuracy, GigaView helps diagnose problems for making quick modifications.

One platform, multiple applications

With GigaView software, you gain a single, flexible platform for all of your test and measurement needs. Choose from one of four software modules to analyze jitter in:

Datacom Applications
- PCI Express™
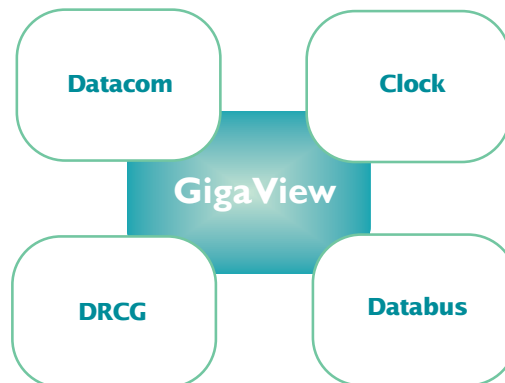- Fibre Channel
- Serial ATA
- Infiniband
- Xaui ...and others

Clock Applications
- Clocks
- PLL

DRCG Applications
- Rambus®

Databus Applications

Datacom   Clock

GigaView

DRCG   Databus

Automated setup and data analysis

GigaView software comes standard with two unique features that make setup and data analysis faster and easier. The Wizard utility prompts you to answer a few simple questions about the basic measurement setup then automatically configures the display to show correct views of data. With the Wizard, even first-time operators can look like seasoned signal integrity analysis experts. The Wizard also provides access to HELP files allowing you to take advantage of advanced features and settings without opening the manual. The Plot Interpreter™ provides examples of actual plot results from real applications. Descriptions of the plots help you understand what may have caused similar results in your application and directs you toward possible avenues for further analysis. Whether you are a new or experienced user, the descriptions help achieve a deeper understanding of your data.

Benefits of GigaView

GigaView software gives you a simple, straight forward way to perform complex jitter analysis while generating clear, concise results that help optimize device performance faster than ever before. With GigaView and and a Wavecrest SIA Signal Integrity Analysis Solution, you can:

Perform complete jitter and amplitude testing with one solution

Use the Wizard utility to set up tools and tests automatically

Use the Plot Interpreter for guided troubleshooting and understanding measurement results

Identify trends by overlaying plots from different acquisitions

Create macros to repeat keystrokes, automate external equipment or log results from multiple acquisitions

Save entire test workspace including tool settings and acquired measurements and plots

Use GigaView 'Reader' software to share your results with colleagues or to analyze "offline"

WAVECREST

Multiple Tools Provide Exceptional Flexibility
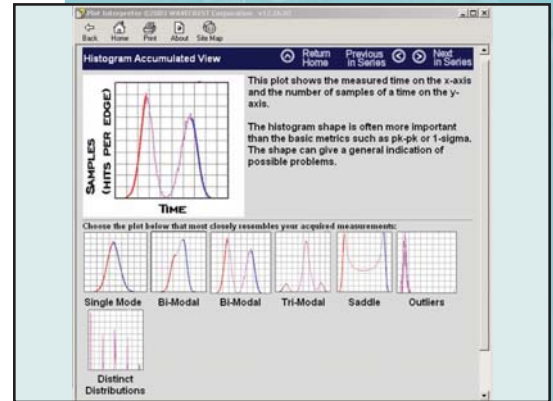
Let macros work for you

With macros, session settings or test results can be recalled with a single keystroke. The macro editor can be used to create dialog boxes or control scripts for other GPIB instruments. A Visual Basic script command style and Windows DLL format is used so command sequences can be copied from the macro editor into Windows-based programs.
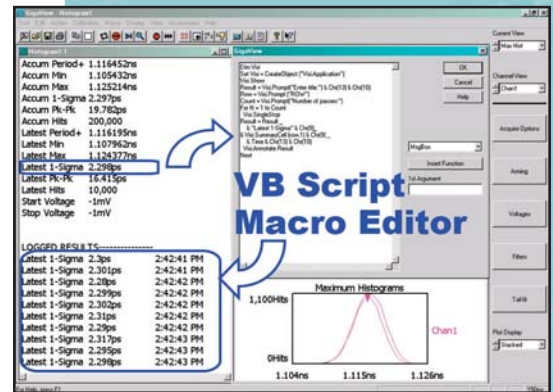
Understand device differences

Use the Composite Tool to overlay several different windows of saved or recently acquired data. This enables you to examine trends across a production line or within a certain measurement setup much faster than with other software packages. For example, you can quickly and easily compare "golden" data with current measurements. Additionally, you can instantly compare histograms from four separate test sessions and identify commonalities in RJ and DJ components.
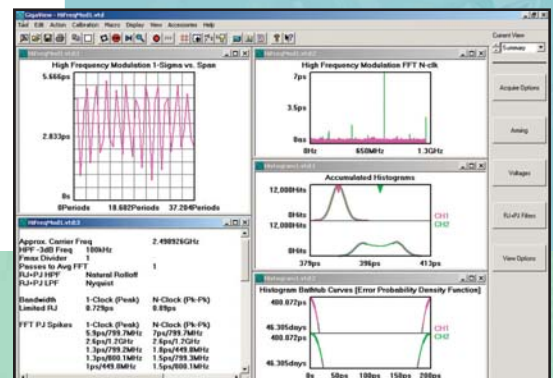
View multiple tools simultaneously

GigaView software provides exceptional flexibility for signal integrity analysis. You can examine multiple views of the same data set within a single window, and, multiple testing tools can be opened and used to analyze different signals from separate channels simultaneously. Once the critical data has been identified, the complimetary GigaView Reader software can be used to analyze results offline on a laptop or workstation. GigaView Reader software also enables quick downloading of the results to a PC for sharing with colleagues.

Plot Interpreter provides descriptions of actual results

VB macros can log results, control other instruments or perform repetitive tasks

Multiple tools and views can be displayed at the same time

WAVECREST
Be certain of the signal you send.

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