ERISYS Signal Analysis Software

ERISYS
RF SOLUTIONS

Data Sheet

QuadVu

Simultaneously compare up to four IQ spectrum recordings

Overview

QuadVu can simultaneously display, and combine into a single IQ file, if desired, up to four IQ spectrum recordings. The software provides many of the capabilities provided by the ERISYS **ZoomOut™** signal processing software, with the added capability to simultaneously display and combine up to four IQ files. Spectrum files can be of any size, contain any number of signals, at any center frequency, and any bandwidth.

QuadVu is a powerful tool for comparing signals that have been captured from different sources and/or different times. Entire IQ recordings can be viewed with **precise time alignment.** In seconds, time and/or frequency segments can be examined the finest details to nano-second resolution. **QuadVu** is commonly used for comparing stimulus and system response for applications such as DRFM systems. Every detail of a DRFM performance can be examined in detail including techniques, response turn-around time, and response pulse quality.
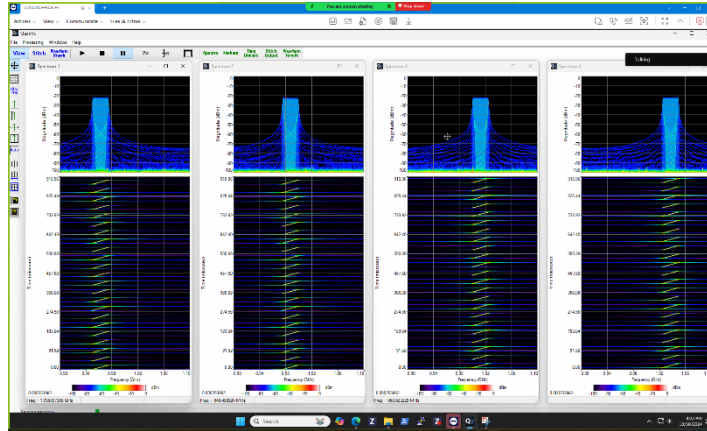
QuadVu is typically installed on the **SigPro-2000B** or **SigPro-4000B** IQ routing processor which provides the software with direct high data rate access to stored IQ spectrum data. This eliminates the need for time-consuming transfer of large data files prior to processing, and dramatically reduces time-to-answer. The software can also be installed on a Windows PC to support off-line analysis.

Highlights

- **Display –** Up to four IQ recordings simultaneously.
- **Create Complex Playback Scenarios –** Quad View's Spectrum Stitch feature allows users to combine multiple IQ spectrum and signal recordings to create a single typically wide-bandwidth IQ file. Combined files can be of any size and can contain a virtually an unlimited number of signals, noise, and threats.
- **Threat Generator** – When used with the ERISYS **SigPro** system and one or more signal generators (such as R&S SMWs) **QuadVu** can create complex dynamic and repeatable threat environments including threat signals, background commercial and other signals, and noise.
- **Compare recordings** – Compare multiple captures. Adjust each precisely in time to align features and compare details. Measure differences and place markers in time and frequency domains.
- **Time and frequency domain markers -** Can be set to align files in time by introducing precise delays. Place signals at desired frequencies by introducing offsets. Time offsets can be from sub-nanoseconds to as long as desired. Frequency offsets from Hertz to the file bandwidth.
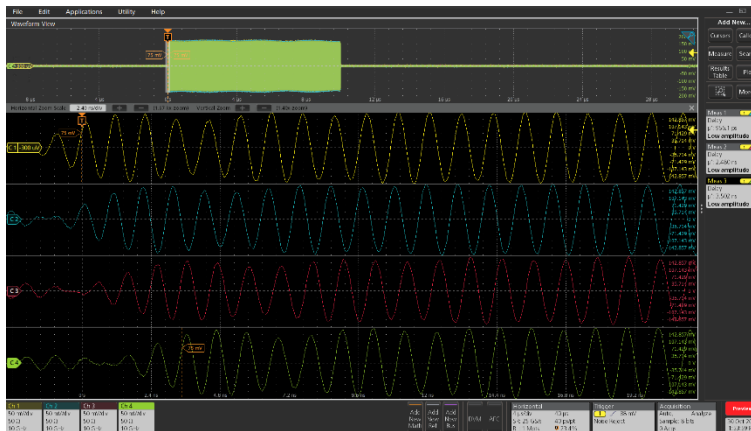
![ERISYS RF SOLUTIONS logo]

Data Sheet

QuadVu

QuadVu Multi-Channel Display and Analysis

QuadVu can simultaneously display up to four RF spectrum IQ recordings with precise time alignment. Views can range from full multi-terabyte IQ data files to nano-second detailed views to allow precise measurement of signal differences such as DRFM systems.

QuadVu Threat Generator Applications

QuadVu can combine IQ spectrum information to create complex, dynamic and long duration threat simulation files that can include threat signals, background RF signals, noise, etc. The software can introduce precise modifications including **frequency, phase, amplitude and time delays**.

We can help you solve your most difficult RF spectrum challenges

*For more information, please contact **ERISYS RF Solutions** for consultation and on-site demonstration. We have decades of experience with EW oriented RF Spectrum Analysis and signal generation.*

You can reach us on the web at www.erisys.com or via email at Sales@erisys.com.

www.erisys.com
V: 11/27/2024

ERISYS RF SOLUTIONS
13873 Park Center Road, Ste 130, Herndon, VA 20171-3248

703-707-0619
Sales@erisys.com