

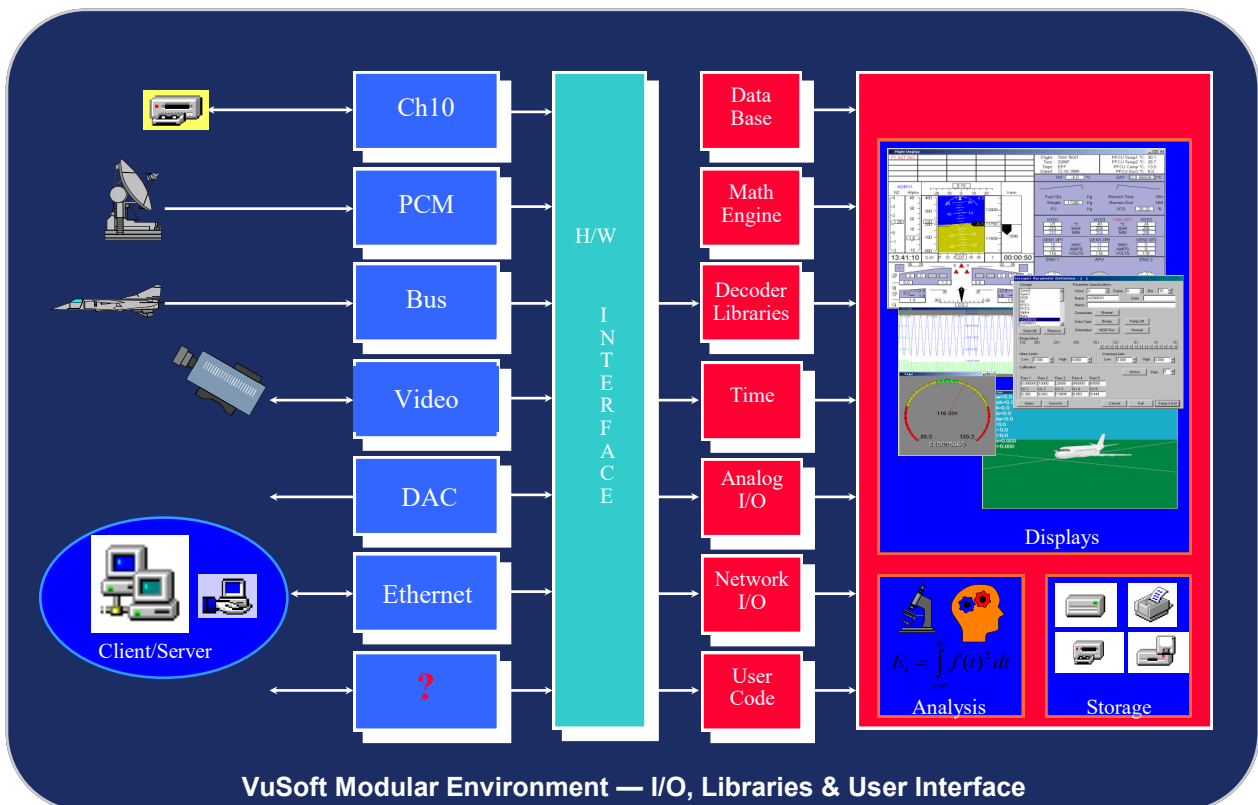
## VuSoft

**VuSoft** provides simultaneous recovery, recording, display and distribution of real-time telemetry and other formatted data streams in a modular, network centric environment.

The uniqueness of VuSoft is derived from flexibility and performance resulting from a highly efficient architecture. A micro messaging kernel abstracts the main system operation from the source and destination of the internal data stream. Optional libraries enable the attachment of this kernel to data from multiple sources, which can then be simultaneously acquired, displayed and processed.

Through the use of the library concept VuSoft itself is modular and virtually independent of the data source. This ensures an evolutionary path so that VuSoft can maintain compatibility with new PC hardware and software technology and new data formats. Import and export functions provide direct access to most popular databases including TMATS, Access, dBase and Oracle. A "Basic-like" Math Engine is included to generate derived parameters that may be used just like measured parameters even as inputs to other derived parameters.

VuSoft can also distribute encrypted and compressed real-time and played back data to multiple, networked PC workstations.



For more information, please contact your local agent or contact JDA Systems directly:

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S Y S T E M S



## VuSoft Features

- Format and Data Decoding of Multiple Streams in Multiple Formats
- Records Raw and Processed Data
- Record in IRIG106 Chapter 10/11 Format
- Time Alignment of All Data Streams and Displays
- Over 120 Display Types
  - ✓ Tabular, Alarms, Bar Graphs
  - ✓ FFT's, Line Graphs, Strip Charts
  - ✓ XY Plots, Digital Filters, Discretes
- Math Engine for Derived Parameters
- Encrypted Network Data Distribution
- Change Parameter Definitions On-The-Fly
- Client Software with Full Display, Math and Recording Capabilities
- Post-Processing and Report Generation
- External and Embedded Time Formats:
  - ✓ IRIG-A, B & G, GPS
  - ✓ MDBM, MABM, MTCG, Aydin IRIG A & B
  - ✓ FMV, TTC, Veda

## VuSoft Format Decoders

- Format Decoders (Others Available)
  - ✓ IRIG106 Chapter 10/11
  - ✓ IRIG106 Chapter 7
  - ✓ Heim DATaRec 2
  - ✓ Heim DATaRec 3
  - ✓ Disk Image Reader
  - ✓ CCSDS
  - ✓ COMET
  - ✓ C83
  - ✓ UART (Serial Streams)
  - ✓ User Specific
- Data Decoders (Others Available)
  - ✓ IRIG106 Chapter 4
  - ✓ IRIG106 Chapter 8
  - ✓ Embedded PCM & Asynchronous Streams
  - ✓ Embedded Serial Streams & Audio
  - ✓ Mil-Std-1553
  - ✓ ARINC429
  - ✓ AFDX
  - ✓ CAN Bus
  - ✓ NEMA GPS
  - ✓ Heim DCM, Merger & 1553
  - ✓ AIM9X & AGM-130

## Optional Data Analysis & Reporting



- Plot channel vs. time (Y-t plot)
- Channel vs. Channel (X-Y plot)
- Direct Cursor Access to EU Converted Data Values
- Automatically Display Data with Highest Possible Resolution
- Display Min/Max Values Between Decimation Points
- Digitally Filter Data (High/Low/Band Pass)
- Text Insertions with Data Values, Time & User Text
- Data Zoom to Individual Sample Level
- Multiple parameter display with overlaid or stacked, time aligned traces
- FFT and digital filtering
- Applied Free-Form Math Functions
- Comprehensive Data Export

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