

Vista™ Enterprise Telemetry Software

Vista™ is the latest enterprise software solution from L-3 Telemetry-West for the full spectrum of telemetry applications — providing a complete operating environment for configuring, controlling, and monitoring the Vista 250P, Vista 350P, Vista 450V, and Vista 550V family of ground station products. Vista also supports L-3's airborne equipment, creating a unified software platform for flight and ground system configuration, management, and visualization. Vista software additionally can be run standalone — without any hardware — acquiring data off a network for “desktop” telemetry processing.

Vista comes with a powerful, multiplatform, intuitive graphical user interface (GUI) for manual operation and a robust application programming interface (API) for the integration of other software and embedded applications. Vista can control hardware locally or remotely, and a distributed, network-oriented architecture allows functions to be split across different computers on a network providing flexibility to adapt to a variety of ground system designs.

Vista is ideally suited to perform the role of enterprise software for large telemetry applications. The software can be used as the foundation for the entire system, controlling not only L-3 TW products, but other equipment, such as antennas, receivers, recorders, and other telemetry components. The API Module Framework supports the integration of external hardware and software modules, while the Application Framework supports the integration of custom or third-party software applications.

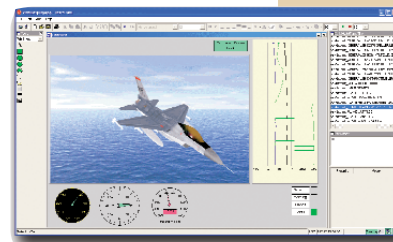
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The Vista™ Advantage



Features

- Common software foundation supports multiple L-3 products
- Platform for enterprise-level solutions
- Intuitive, easy-to-use GUI
- Robust API for embedded applications
- Distributed, network-oriented architecture
- PC, UNIX, and Linux multi-platform support
- Modern Java-based object-oriented software
- Supports external software, hardware, and applications
- Industry-standard SQL-compliant databases
- Local or remote operation
- Integrated user environment for airborne/space and ground systems
- XML import/export and database connections for archiving/versioning



Functions

- Ground system operation
- Airborne/space equipment configuration
- Project/mission database setup and management
- Real-time data processing
- Event and alarm monitoring
- Real-time data display and visualization
- Telemetry decommutation
- Real-time embedded or remote archiving

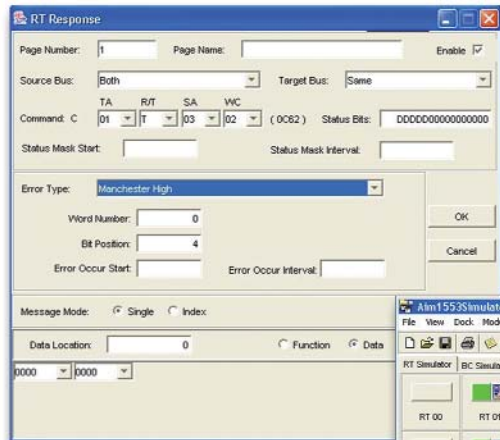
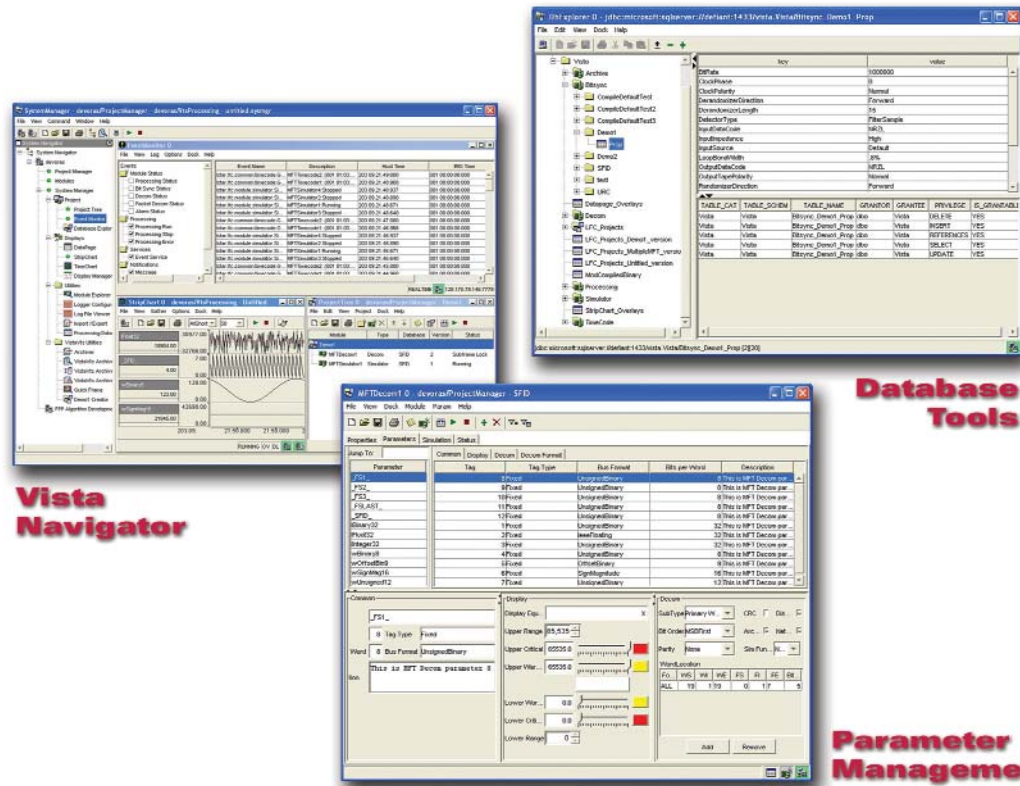
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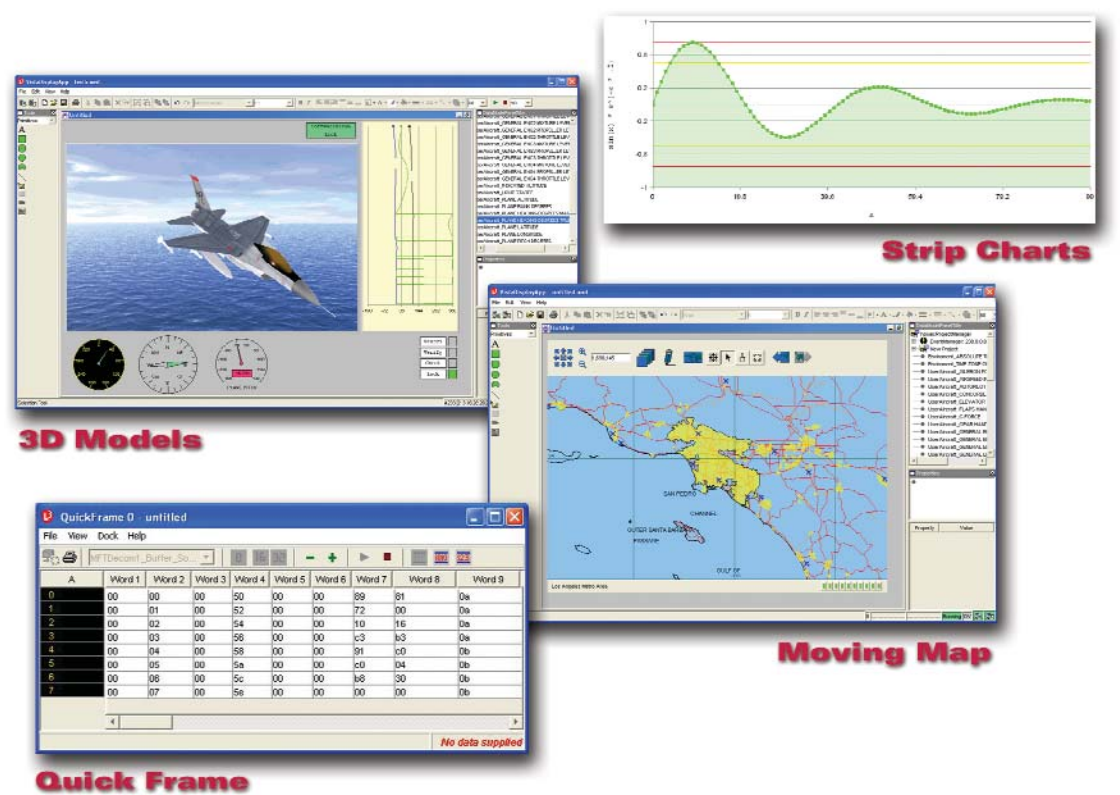
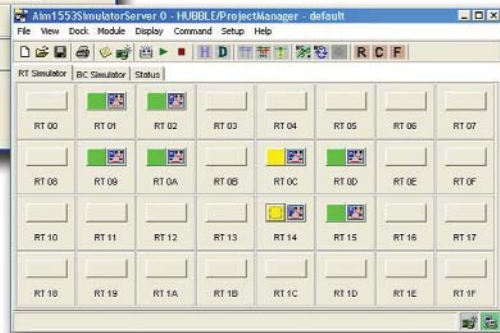
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1553 Processing



Display

Vista's™ advanced software suite lets you visualize data, any way you choose. Written Java to be completely platform independent, visualizations can be in 2D graphs and alphanumeric formats, 3D aircraft and weapons models, moving maps with terrain features, or design your own from either a library of display objects or even custom tailored designs. Displays can be initiated by events such as out-of-limit events or timers. You can also update these displays on the fly in real time.

Application Programming Interface

The Vista's API is a robust Java based direct link between the front-end chassis, servers, workstations and PC's on your network. All features and capabilities accessed through the Vista GUIs can be controlled via this API. Additionally the API supports the integration of other software and hardware with either Vista or Vista supported products, which can easily be embedded into a larger system.

Setup & Control

System setup and control is easy with Vista's Java based navigator, which allows you to quickly maneuver between system functions. All functions utilize a point-and-click interface to visualize the entire system, create displays, define module and project set-ups, choose processing algorithms, select parameter attributes and create telemetry or avionics frame descriptions. Alternately, you can utilize custom developed software for the control and set-up of the Avalon via the Java based API.