



SELEX GALILEO

A Finmeccanica Company



VANTAGE COMMAND AND CONTROL SOFTWARE

VANTAGE command and control software is a Network Enabled Capability providing situational awareness to the user. Multiple sensor outputs are presented as a single, fused operational picture within an intuitive, comprehensive software package. A wide range of sensor outputs can be visualised and interrogated with a user friendly interface. VANTAGE suits a range of applications, allowing rapid integration with sensors within Military and Civil domains.

OPERATIONAL ADVANTAGES:

- Data correlation for effective event management
- Can be integrated with existing systems such as C2IEDM ensuring continuity through task force structure
- Intuitive user interface, simple to use at all levels, requiring minimal training
- Scalable system for optimal mission configuration, freeing valuable resources.

Data, composed of multiple sensor inputs is correlated and stored by the collecting assets, such as the SELEX Galileo Hydra Remote Ground Sensor (RGS) system. Both Hydra and VANTAGE can make use of any sensor. This information can be interrogated by the VANTAGE user, in either real-time or retrospectively. The user can analyse, fuse and disseminate

this information when required, to Commanders at any level of command.

VANTAGE software visualises data and information transmitted between assets. This has proved particularly effective in passing position and imagery between convoy assets, with front, rear and flank protection elements able to improve the wide area situational awareness of convoy Commanders.

SUPPORTED SENSOR TECHNOLOGIES

VANTAGE currently supports the following sensor types. Other sensor technologies can be simply and easily added as and when required.

- Radar
- Camera
- Laser Range Finder (LRF)
- Passive InfraRed (PIR)
- Seismic
- Acoustic
- Magnetic
- Pan Tilt mechanisms
- Chemical
- ESM.

VANTAGE Command and Control Software



VANTAGE combines a range of sensor outputs to provide a complete situational awareness picture to the user.

TECHNICAL SPECIFICATIONS

Minimum PC requirements

Microsoft Windows XP SP2 onwards
Dual Core processor circa 1.66GHz
2GB RAM
120GB Hard Drive

VANTAGE Variants

VANTAGE Point - Map based visualisation

- ENVITIA Mapping Engine
- Presents geo-located items of interest (e.g. Assets, Tracks, Detections, Alerts/ Events)
- Provides directional cues for surveillance assets - manual/ automatic
- Terrain Inter-visibility
- Accepts a range of mapping formats and imagery incl. Google
- Incident Management.

VANTAGE View - Video visualisation

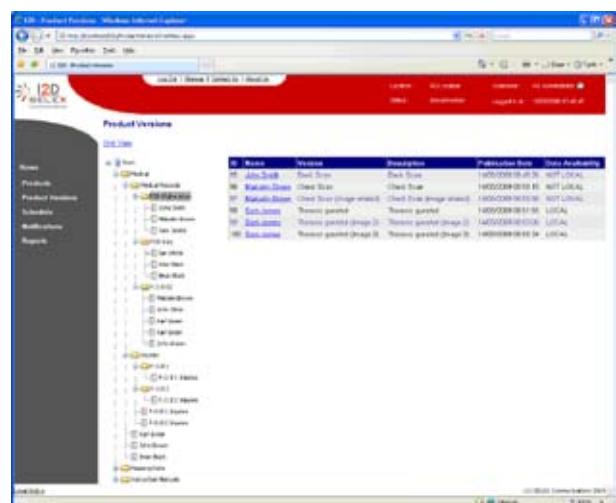
- Common compression formats
- Integrated camera and pan/ tilt controls
- Integrated record/ playback controls.

VANTAGE Framework

- Based on standard Microsoft.NET remoting mechanism
- Allows clients to connect to multiple sensor servers
- Allows sensors to deliver streams of data to multiple clients
- Simple interface allows rapid addition of standard features from new sensors
- Flexible interface allows novel features of new sensors to be accommodated
- Sensor data can be held in local dataset for non real-time saving to SQL database to overcome connectivity problems.

FEATURES

- Provides direct control of sensors, allowing visualisation of outputs
- Rule based event management: sensors qualify each other, reducing unwanted or false alarms
- Auto cueing: Sensors can be automatically cued to preset locations associated with events
- Intuitive interface: Designed for use in any environment and with any display unit. For example gloved hands or stylus pointers on touch sensitive screens
- Supports a number of sensor technologies across land, sea and air domains. The number and type supported is limited only by the requirement of the user
- 3D planning: uses 3D geospatial mapping to ensure optimal sensor location and target analysis
- Demonstrable integration into C2IEDM system with SELEX Communications' I2D library, publishing and distribution system. Further integration considered with Agile and Open Joint Operational Command Systems (JOCS)
- Windows based system with familiar 'look and feel'
- Editing function including range and bearing tool and the ability to add, edit and preload areas or points of interest
- Bandwidth optimisation.



SELEX Communications I2D Library, Publishing and Distribution System

For more information please email sales.marketing@selexgalileo.com

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