

# VR-Vantage® PVD

Visualize

## Interactive Real-time Tactical Map

### Overview

Increase your awareness of the virtual battlefield with the VR-Vantage Plan View Display (PVD). By overlaying HLA (1.3, IEEE 1516, or HLA Evolved) or DIS entities and information onto 2D views of tactical, strategic, and visual databases, you gain new insight into the virtual battle. The VR-Vantage PVD is a key component of any mission planning or course of action analysis tool.

Standard map formats and an intuitive user interface allow you to easily answer questions about the placement of forces and how terrain might affect the engagement. The PVD displays line-of-sight information, track histories, sensor coverage areas, and fire and detonate lines. Use tactical graphics, such as lines, points, areas, symbols, and text to understand and analyze a simulation. The fast map view allows you to quickly and easily navigate to the portion of the terrain database you want to view.

### Customization

The PVD comes with MILSTD 2525B icons but you can also use your own custom entity or aggregate symbols or extend our symbol decorations to display custom information. The PVD's display is adaptable, giving you the flexibility to enable only the features you need. With an available C++ toolkit, you can customize the PVD or embed 2D tactical map views in other applications. The PVD is the perfect foundation for a custom situational awareness display.

### Terrain Agility

Applications built with VR-Vantage PVD are Terrain Agile — able to work with a wide variety of terrain approaches, formats, and protocols. The tool can load traditional databases, like hand-modeled OpenFlight, page large-area terrains, like MetaFlight, and build visual databases "on-the-fly" from source data like DTED, GeoTIFF, and Shapefiles. It can even dynamically create 3D terrain by streaming in elevation, imagery, and features to build up large areas and cutting-in site models for high fidelity ground detail.



### USE CASES

- AFTER ACTION REVIEW
- INSTRUCTOR OPERATOR STATIONS
- TACTICAL MAP DISPLAYS
- MISSION PLANNING
- COA ANALYSIS

### FEATURES

- VIEW MULTIPLE TYPES OF MAPS
- IMPORTS POLYGONAL DATABASES, RASTER MAPS, AND VECTOR DATA
- TACTICAL OVERLAYS
- LINE-OF-SIGHT TOOL
- TOOLKIT API FOR USER CUSTOMIZATION
- CONTOUR AND GRID LINES
- ENTITY, AGGREGATE, AND SENSOR DISPLAY
- HLA AND DIS COMPLIANT
- DISPLAY VECTOR FEATURE DATA