

Triton Perspective Map™

Multi-layer Map-based Display and Data Fusion

Triton Perspective Map forms the foundation of the completely new Triton Perspective product line. Perspective Map is a GIS-based mapping package that integrates the Triton MosaicOne™, TargetOne™, BathyPro™, SeaClass™, PipeTrack™, and SB-Interpreter™ software modules into a cohesive suite capable of processing, fusing, and displaying sidescan, bathymetric, and seismic data. Each processing module is controlled from the Perspective Map environment via common, embedded user-interface, tools, and displays. Perspective Map displays the output from these modules as multi-layer, co-registered survey tracks, sidescan sonar images, bathymetry DTMs, target icons and images, and seabed classification areas and boundaries. These seafloor image data are easily combined with other available geo-coded data such as S-57 electronic nautical charts, coastline maps, and satellite or other GeoTIFF imagery as required. Output of individual and fused data products in standard formats for processing by third-party applications is supported.

Performance/Ease of Use

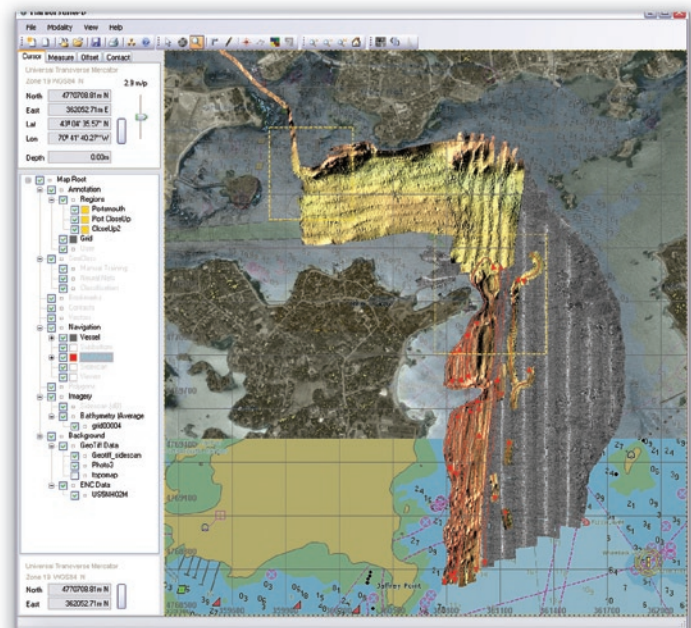
- Parallel software exploits multi-core processor architecture.
- Performance scales with number of cores
- Common user-interface for all Perspective product-line modules (see Optional Modules)
- Drag & drop/wizard-based operation

Tools

- All common map projections supported plus user-specified custom projections
- Accurate seven parameter shift
- Import GeoTIFF, XTF, DXF, x,y,z, S-57, DDS_VIF, contacts, etc.
- Measure/annotate/digitize
- Navigation processing/smoothing/merging

Display and Output

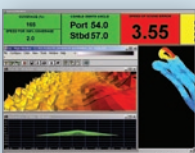
- Graphics and imagery layers
- Vector survey tracks
- Pan, zoom, roam
- Palette, grid, transparency, brightness, contrast controls
- Bathymetric shading and color coding
- Regions of interest
- Concurrent display and fusion of sidescan mosaics, bathymetric grids, aerial photos, coastline maps, S-57 charts, and other geo-coded data
- Output as GeoTIFF or Google™ Earth KML files



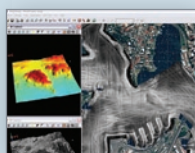
Options

- Sidescan mosaicing with Triton MosaicOne
- Bathymetric processing with Triton BathyPro
- Seismic interpretation with Triton SB-Interpreter
- Target acquisition and processing with Triton TargetPro
- Seabed segmentation/classification with Triton SeaClass
- Pipeline tracking and free-span detection with Triton PipeTrack
- S-57 electronic nautical chart (ENC) display

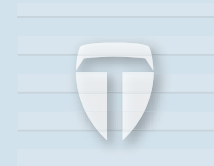
multibeam



sidescan



seismic



TRITON
IMAGING®, INC