



TRITON  
IMAGING®, INC

# Triton Hydrographic Bundle™

*Advanced multibeam acquisition, processing, and analysis software*

Triton's Hydrographic Bundle™ is an integrated suite of software designed for all phases of multibeam surveys. From survey planning to data acquisition and real-time processing to off-line data analysis, Triton's Hydrographic Bundle addresses your needs. The modularity of the software suite ensures compliance with any survey budget and enables expansion as survey capabilities grow. Triton's commitment to implementing state-of-the-art processing techniques ensures a long life cycle for the products. Ease of set-up, intuitiveness of use, and a full-featured upgrade path for all current and future Triton technology makes the Hydrographic Bundle a wise investment for any survey organization.

## Components

- Triton Isis MB-Logger - data acquisition
- Triton sonar interface
- Triton MB-DTM RT - real-time data processing
- Triton Map - GIS for processed data display
- Triton Nav - survey planning and control

## Capabilities

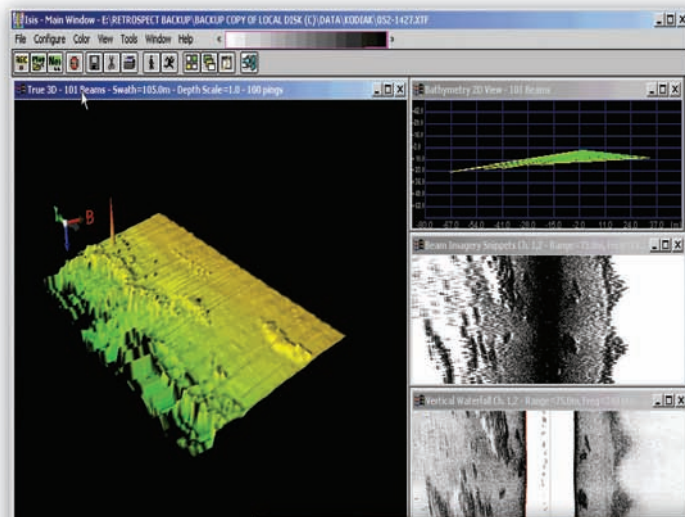
- Accurate logging of all data associated with a multibeam system (raw range/ theta, beam amplitude, backscatter, footprint time series amplitude).
- Real-time correction and filtering of bathymetry.
- Real-time capture of processed soundings in open format file.
- Real-time DTM generation.
- Line planning and line control during survey.

## Data Products

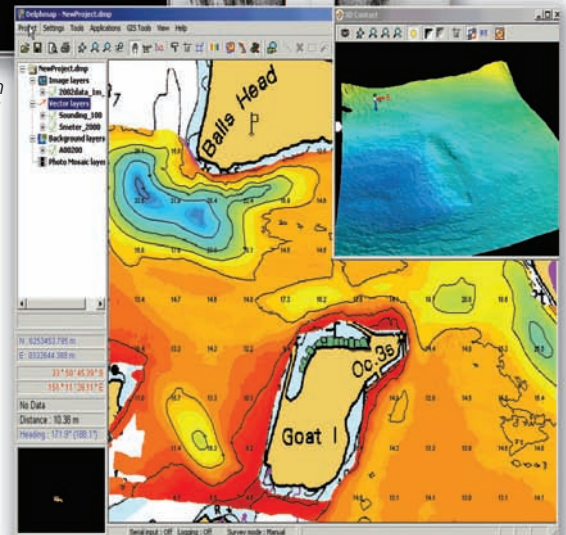
- XTF files of raw data.
- GSF files of processed data.
- GeoTIFF files of DTM.
- DXF / Shape / ASCII files of contours, soundings, and line plan.
- Soundings chart as paper record.

## Optional Modules

- Triton MB-Monitor - statistical QC of raw sounding data and automatic adjustment of line spacing.
- SnippetLog and Snippet Pro - logging and processing of footprint time series data.
- Triton CUBIT - Seabed processing and modeling using UNH CUBE algorithm.



*Triton Isis MB-Logger with multibeam, sidescan, and Snippet data*



*Triton Map with processed data set*

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