3D Vector Digitizing Interface for
AutoCAD®, MicroStation®, and ArcGIS®

DAT/EM
Photogrammetric
Software Suite

CAPTURE™

SUMMIT EVOLUTION™

LANDSCAPE™

MAPEDITOR™

ORTHO+MOSAIC™

AIRFIELD3D™

CONTOUR CREATOR™

HARDWARE

Enter the powerful world of 3D digitizing
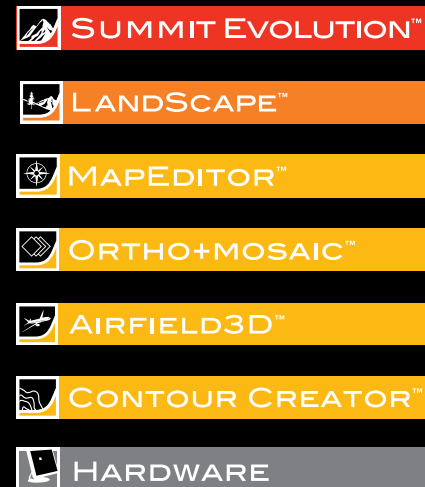*and drawing file editing with DAT/EM Capture.*

DAT/EM Capture is the primary tool for vector information collection (which can be collected directly into one or more companion CAD or GIS programs) from stereo images. Currently supported companions are AutoCAD, MicroStation, and Esri ArcGIS; the Capture API (Application Program Interface) is also available to enable development for other CAD and GIS programs. The stereo capture capability is very helpful to people trying to interpret imagery such as urban planners, foresters, wetlands biologists and geologists.

DAT/EM Capture interfaces to DAT/EM's flagship products, the Summit Evolution™ digital photogrammetric workstation and the LandScape™ point cloud editing toolkit.

Capture works in the background to send 3D (x, y, z) ground coordinates to the companion application. Simultaneously, 2D or 3D features from the CAD or GIS software are rendered back in true relative 3D position in the stereo display using DAT/EM SuperImposition™ for immediate feedback and feature verification. The user's experience and productivity are enhanced through precise and instantaneous validation of work.

Features

- DAT/EM Capture's drawing and editing tools make mapping-specific tasks easy to accomplish
- Custom building squaring modes
- Choice of 2D and 3D snapping modes
- Spot elevations
- A wide selection of multiple-line offsets
- DTM point collection
- Specialty mapping tools such as contour labeling
- CAD-specific attribute mapping
- 3D digitizing, vertex dragging, and field editing
- Stereo viewing with real-time panning and zooming
- Vector data superimposition onto stereo imagery