Summit Evolution takes 3D stereo vector digitizing to a new level with its integration of digital stereoplotter, CAD and GIS interfaces, 3D stereo vector superimposition, automated feature editing and contour generation. Through its unique and customizable Capture interface, image features from a Summit Evolution project are digitized directly into AutoCAD®, MicroStation® or ArcGIS®.

DAT/EM Superimposition™ is built into every Summit Evolution system, which is offered in three different product level packages as well as a new Summit Evolution Mobile option. Additionally, integration with the LandScape™ point cloud editing toolkit is standard.

**Features**
- Supports monochromatic, panchromatic, three-channel and multi-channel multispectral imagery.
- Supports scanned aerial film, matrix and push-broom digital airborne cameras, small- and medium-format metric cameras, close-range imagers, orthophotos, RPC satellites, LiDAR, and synthetic aperture radar.
- Imports third-party softcopy projects, aerotriangulation results, and other orientation files for quick setup.
- Full range of manual and automatic image orientation capabilities.
- Digitizes 3D vectors directly into AutoCAD, MicroStation, or ArcGIS using DAT/EM’s unique, world-class Capture interface.
- Robust and easy-to-use user interface for maximum productivity.
- Multiple stereo viewing points including Bird’s-eye, Close-up, Project Overview, and 3D Vector Split windows for a variety of visualization and feedback tools.
- Multiple project windows.
- Unlimited zoom, fast pan, and automatic loading of adjacent stereomodels, with Superimposition of CAD and GIS vectors over image view.
- DAT/EM Ortho+Mosaic™ module for easy and precise creation of orthomosaics, including true orthos.
- The Terrain Visualizer tool for dynamic, real-time preview of contours while DTM objects are edited.
- Contour Creator™ for creating and writing the finished contours to the CAD file.
- Interface to the DAT/EM-PCI ProPack to allow use of PCI PIX Imagery.
- Airfield3D™ standards-compliant airspace obstruction mapping tool.
- Point Translator for importing, regridding, and converting point data, including LiDAR and other DTM features.
- Summit Evolution Mobile package available which runs on touch screen tablets with Windows 8 in the Summit anaglyph stereo mode.
- 64-bit and 32-bit applications available.

**Three Packages**

**PROFESSIONAL**
- Full-function, fully capable stereoplotter.

**FEATURE COLLECTION**
- For those whose orientation requirements are met elsewhere, but who still require the world-class Capture interface to a CAD or GIS program.

**LITE**
- A low-cost system designed for viewing, terrain following, and simple editing and measurement.

**Summit Evolution:**
- Three Packages
  - **PROFESSIONAL**
  - **FEATURE COLLECTION**
  - **LITE**

**Superimposition Options:**
- Vector Superimposition
- Viewing, terrain following, and simple editing and mensuration
- Capture add-on for Microstation, AutoCAD or ArcGIS
- Satellite Propack Interface
- Complete software documentation and one year system support
- LandScape Integration Available
- MapEditor automated editing software for AutoCAD or Microstation
- Advanced 2D and 3D editing, snapping, attribute handling
- Terrain Visualizer
- Contour Creator
- Point Translator
- Project Status Tracker
- Ortho+Mosaic
- Airfield3D for ArcGIS

**Hardware:**
- DAT/EM Systems International
- 8240 Sandlewood Place, Suite 101
- Anchorage, AK 99507 USA
- T: +1 907-522-3681
- F: +1 907-522-3688
- sales@datem.com
- www.datem.com

**Stay Connected**
- [Facebook](https://www.facebook.com)
- [Twitter](https://twitter.com)
- [LinkedIn](https://www.linkedin.com)