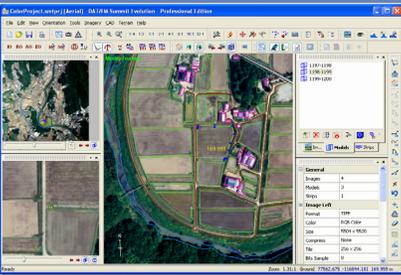
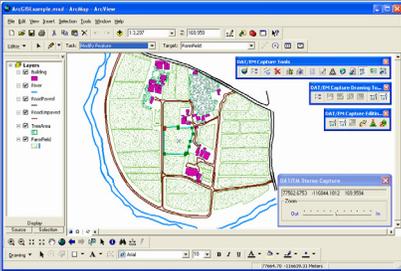


## DAT/EM CAPTURE™

# Robust 3D Digitizing Interface to ESRI® ArcGIS®



**DAT/EM CAPTURE for ArcGIS** interfaces directly from DAT/EM SUMMIT EVOLUTION™ or DAT/EM LANDSCAPE™ to ESRI's ArcGIS software. The SUMMIT EVOLUTION option displays stereo imagery from a photogrammetric project and sends 3D ground coordinates to the ArcGIS ArcMap® application. The LANDSCAPE option displays 3D point cloud data in stereo and sends 3D ground coordinates to ArcMap. With DAT/EM CAPTURE running, ArcMap can be controlled by either the system mouse or the DAT/EM 3D cursor, depending on which one is moving. Panning and zooming is automatic; wherever the SUMMIT EVOLUTION or LANDSCAPE cursor goes and whatever zoom it sets, ArcMap immediately matches the view.

Stereo viewing with real-time panning and zooming, vector data superimposition, and 3D digitizing and editing tools all contribute to make DAT/EM CAPTURE the peak of 3D convenience for ArcGIS users. DAT/EM CAPTURE is essential for people who need to interpret and digitize 3D imagery for GIS, including urban planners, civil engineers, photogrammetrists, foresters, wetlands biologists, geologists, and more.

DAT/EM CAPTURE provides tools and commands such as 3D building squaring, 3D vertex editing, multiple simultaneous field editing, measured field settings, single and multiple 3D line offsets, ASCII file import and export, airfield obstruction identification, 3D tracing, and 3D polygon cutting. Add a quick toggle between 3D and 2D snapping, and you're ready to accomplish all of your 3D digitizing and editing tasks.

**The world is not flat! Let DAT/EM CAPTURE help you capture the real 3D world!**



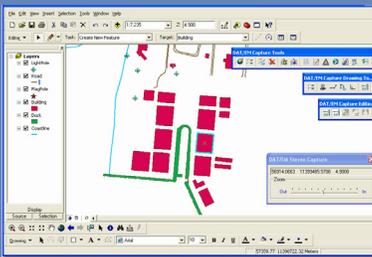
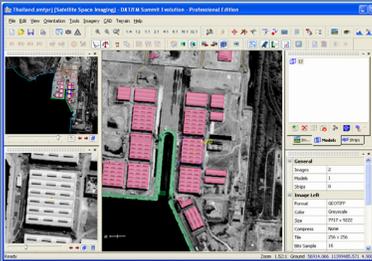
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DAT/EM CAPTURE's drawing and editing tools make mapping-specific tasks easy to accomplish for ArcGIS users.

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



DAT/EM CAPTURE interfaces directly from one of DAT/EM's flagship products, the SUMMIT EVOLUTION™ digital photogrammetric workstation or the LANDSCAPE™ point cloud editing toolkit, to up to three companion CAD or GIS applications. Interface choices include ArcGIS, AutoCAD®, and MicroStation®, which may be used alone or in a stacked license configuration.

Using SUMMIT EVOLUTION or LANDSCAPE to display stereo data, DAT/EM CAPTURE works in the background to send 3D (x, y, z) ground coordinates to the CAD or GIS application. Simultaneously, 2D or 3D features from the CAD or GIS are superimposed back in the stereo display for immediate feedback and feature verification. As a user, your productivity is enhanced from precise and instantaneous validation of your work.



DAT/EM CAPTURE for ArcGIS™ provides connection to the following choices of ESRI ArcGIS licensing products: ArcView®, ArcEditor®, and ArcInfo®. 3D features are viewed, collected, and edited directly in ESRI Shapefiles and Personal Geodatabase Feature Classes. No translation is required; the result is exceptionally smooth, stable, and accurate data capture and editing operations. The full power and functionality of ArcGIS is accessible from DAT/EM CAPTURE, and vice versa.

Existing features in Shapefiles and Personal Geodatabase Feature Classes are superimposed over the SUMMIT EVOLUTION image or LANDSCAPE point cloud view. You can see immediately whether features match the image and whether they are at the correct elevation. If your existing files are 2D, you can either use them as they are or run a DAT/EM CAPTURE command to convert them to 3D.

DAT/EM Capture for ArcGIS is compatible with the DAT/EM tactile interface devices: the DAT/EM KEYPAD, TOUCHPAD, and TOUCHSCREEN. These essential and customizable tools save valuable production time and reduce errors. They automate repetitive or complex series of settings within ArcMap. For example, a single key press could set an ArcMap task, select a target, set a snap mode, and start a 3D digitizing tool.



Mapping organizations worldwide use software from DAT/EM Systems International for their 3D data collection needs.

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