

# News

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## **BAE Systems Adds Frame Camera Sensor Modeling to Geospatial-intelligence Software**

SAN DIEGO, Calif. — BAE Systems has added new capabilities to its geospatial-intelligence (GEOINT) software, providing enhancements that allow customers to import high-resolution imagery from scanned film and digital airborne sensors. The company's SOCET GXP® software automates image processing to make analysts more responsive in the operational environment.

Film and digital airborne sensors are the primary data sources for many geospatial analysts, particularly in commercial and global markets where acquiring satellite imagery is often not feasible. BAE Systems developed a step-by-step wizard interface to simplify the frame import process, reducing the time required for image processing. Advanced image processing algorithms assist operators with change detection, image classification, identifying anomalies and tracking patterns of activity over time.

“The Frame-Advanced sensor model is used in the geospatial production process from frame import through image registration to creating finished products,” said Stewart Walker, director of product initiatives for the Geospatial eXploitation Products™ business. “Analysts can more efficiently and accurately create photogrammetric products, such as topographic map data and high-resolution digital surface and elevation models.”

The SOCET GXP v3.2 software release also adds automated tools for viewing and editing live video feeds, and efficient tools for converting terrain analysis results from raster to vector file format. Furthermore, hyperspectral and multispectral image processing is extended with the capacity to analyze additional bands of image data, which minimizes the dependency on specialized software packages. Using these tools, analysts can more precisely identify ground features such as distinguishing between camouflaged fatigues and trees.

SOCET GXP is a geospatial-intelligence software package that uses imagery from satellite and aerial sources to identify and analyze ground features quickly, allowing for rapid product creation. The software is used to document geographic attributes in images and live video feeds and establish patterns of activity over time, which broadens analytical expertise.

SOCET GXP v3.2 is available on Microsoft® Windows XP, Vista, 7 and Solaris™ 10 x 86 operating systems.

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