GXP InMotion™

A streamlined motion GEOINT analysis solution with a powerful set of tools designed for every workflow

The GXP ecosystem

Available in both desktop and server applications within the GXP® ecosystem, GXP InMotion™ software delivers a streamlined user experience with a powerful set of tools designed for multiple levels of the motion GEOINT analysts' needs – from simple viewing and screen capture to advanced video editing and exploitation.

GXP InMotion Server

The GXP InMotion Server supports ingest and real-time streaming of video and Ground Moving Target Indicator (GMTI) feeds from airborne platforms and other sources, as well as video and GMTI recording, distributed mission management, restreaming, and enhanced collaboration among mission workgroups.

Enabling exploitation in an enterprise environment, the server solution allows organizations to efficiently scale based on the number of video missions (video or GMTI) and analysts required.

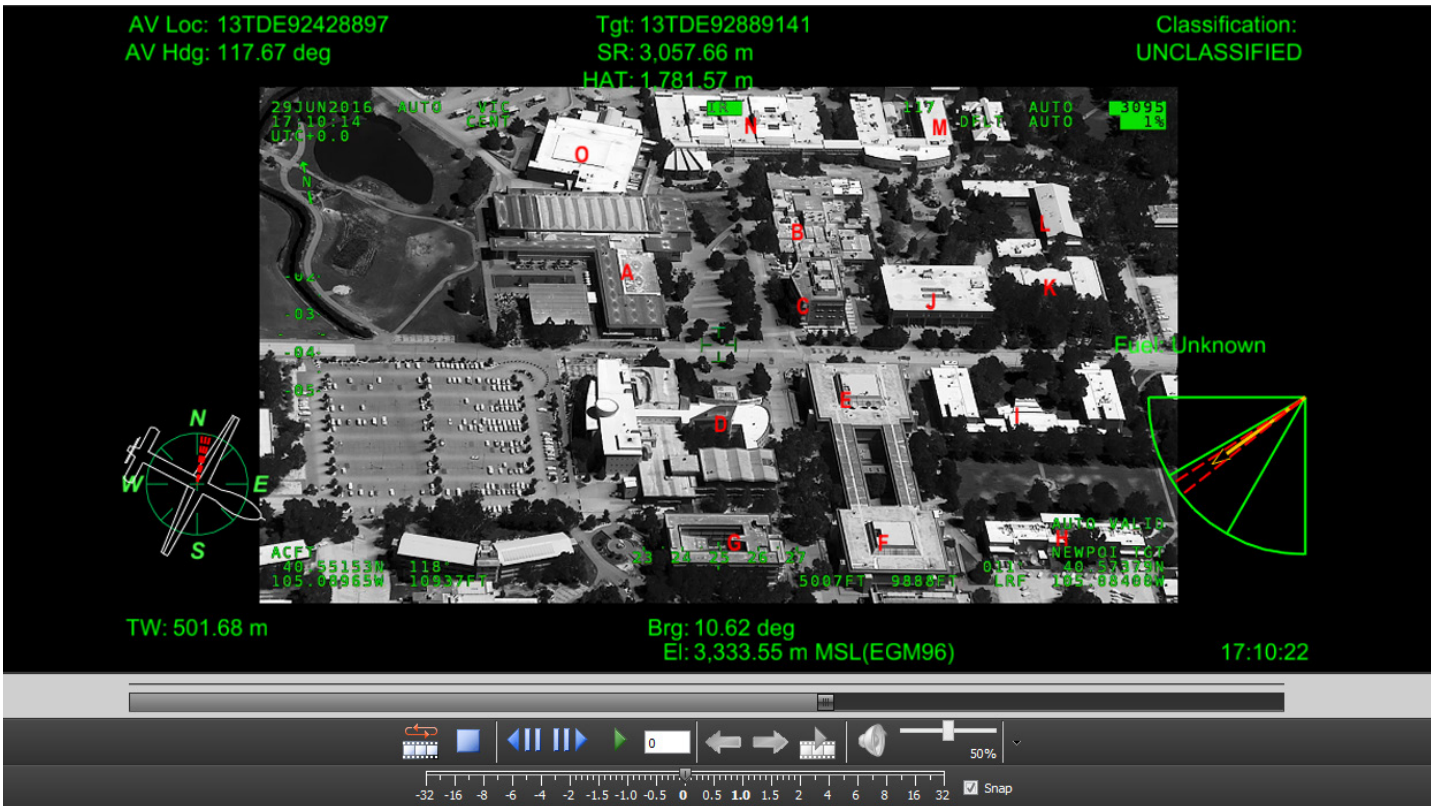
GXP InMotion Desktop

The GXP InMotion Desktop application delivers extensive exploitation capabilities required for both real-time mission support and detailed forensic analysis. Platform tracking and image registration, as well as image enhancement and annotation, metadata overlays, advanced controls, and a built-in sensor model provide a robust environment for comprehensive video analysis.

Addressing the thousands of hours of video processed and exploited every day, GXP InMotion creates an optimized video workflow that allows analysts to collaborate and develop precise video exploitation in a minimum amount of time. Advanced workflows allow analysts to:

- Analyze recorded video.
- Track events during a live mission.
- Collaborate with other analysts.
- Perform highly accurate exploitation.
- Export georeferenced still frames to create customized products.

Imagery courtesy of PV Labs.



Imagery courtesy of L-3 Communications, EO/IR Inc.

As part of the GXP ecosystem, the GXP InMotion application also leverages the search and discovery power of GXP Xplorer®, integrated tracking services provided by the Tracking Analytics Software Suite (TASS), and the unparalleled image exploitation capabilities of SOCET GXP®. In addition, GXP InMotion integrates with Google Earth™ and ArcGIS® Earth mapping services to provide sensor position, field of view, and enhanced situational awareness.

Analysis and exploitation

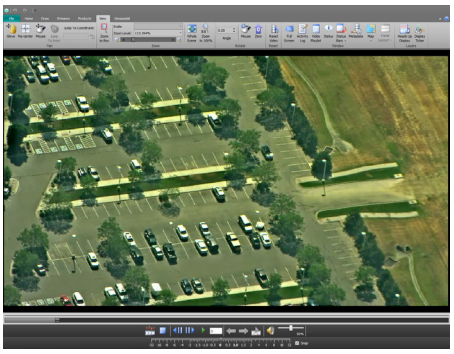
GXP InMotion users can track platform movement in real time, while sensor modeling ensures that video coordinates are precisely matched to corresponding geographic ground coordinates. Motion imagery formats support detection overlays and image enhancements through adjustments in brightness, contrast, hue, sharpness, smoothing, and edge detection. Annotations can be placed directly on the motion imagery for export into multiple formats including KML and shapefiles.

Product creation

Users can efficiently combine or trim video clips, insert transitions and title slides, redact unwanted detail from the displayed metadata, and export resulting footage into standard video formats. Final products, from simple screen captures and full video segments, can then be developed with professional templates and superimposed video metadata such as position, heading, elevation, date, and time.

GXP InMotion, and the entire GXP software ecosystem, is utilized by all-source and video analysts at organizations across the world:

- Defense forces, intelligence agencies, and homeland security.
- Universities and research organizations.
- Systems integrators.
- State, local, and regional governments.
- Photogrammetry, mapping, and surveying agencies.
- Transportation departments.
- Natural resource management consultants.



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Americas
Tel 800 316 9643
gxpsales@baesystems.com

Asia
Tel +603 2730 9475
gxpsales.asia@baesystems.com

Australia and New Zealand
Tel +61 2 6160 4000
gxpsales.apac@baesystems.com

Europe, Middle East, and Africa
gxpsales.emea@baesystems.com