GeoMedia® Motion Video Analyst Professional

GeoMedia Motion Video Analyst Professional from Hexagon's Geospatial division is among the application components of the high-impact Geospatial Intelligence Exploitation Solution. You can use the applications independently or together, depending on your unique requirements. At the core of GeoMedia Motion Video Analyst Professional is the powerful GeoMedia® geospatial platform that enables you to integrate data from disparate sources into a single environment for viewing, analysis, and presentation. With this application, organizations have a high-productivity environment for analysis of full motion video (FMV) taken from unmanned aerial vehicles (UAV). Military forces, intelligence agencies, public safety organizations, and smart cities can use GeoMedia Motion Video Analyst Professional to exploit and analyze video for near real-time decision making. The software provides initial review capability for incoming video, such as placing clipmarks,extracting single-frame images and clips, and intelligence analysis for archived video. Geospatial vector representations are stored with each full motion video and available for query. You can use the centerline feature to specify what segments of the video to play, as shown here.

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Geospatial Intelligence Exploitation Solution

Our comprehensive Geospatial Intelligence Exploitation Solution provides a seamless, integrated Multi-INT exploitation environment for fusion and analysis of all types of geospatial intelligence at central command, including raster maps, elevation data, vector data, satellite imagery, full motion video, human intelligence, and signals intelligence. GeoMedia Motion Video Analyst Professional's capabilities are well-suited for agencies that conduct advanced analysis on all sources of intelligence data by enabling analysts to fuse motion video and other forms of intelligence into a single common operational picture (COP). GeoMedia Motion Video Analyst Professional provides additional capabilities to enhance, manipulate, chip/clip, and annotate image and video data.

Features and Benefits of GeoMedia Motion Video Analyst Professional

- Fully exploit video, imagery, and vector data in one seamless, geofused environment.
- Leverage advanced video enhancement and stabilization capabilities.
- Discover a new geospatial context to review incoming video data from files or live streams
- Geographically track the movement of your aircraft, the camera angle, and other relevant geospatial information in a single homogeneous environment.
- Geofuse your video over vector data, raster maps, and still imagery and watch it play across your map in context with other geospatial data.
- Capture relevant snapshots (single frames) and video clips for additional analysis.
- Query your video data by attribute, annotation, date/time, and geospatial location.
- Automatically enhance your motion video for superior analytical results.
- Visualize and archive all geographic data relevant to your video.
- Watch your video simultaneously in a video window and projected in a map window.
- Control your motion video display with familiar DVR-like controls.
- Mark your video for further analysis and historical query capabilities.

- Extract image mosaics from your video data segments (mosaicking requires stable telemetry).
- Annotate your item or event of interest with a searchable geospatial definition.

Features and Benefits of Our Geospatial Intelligence Exploitation Solution

- Enhance, manipulate, chip/clip, and annotate image and video elements for a complete analysis product.
- Employ image mensuration to identify vehicle types and determine the dimensions of objects.
- Use virtual image mosaics with vector data as your automatic guide to quickly and accurately access or search vast landscapes of imagery.
- Create a buffer zone around your area of interest for automatic segmentation and mosaic image generation (mosaicking requires stable telemetry).
- Analyze LiDAR data to aid in the strategic and tactical assessment of your area of interest.
- Analyze signals intelligence with hot-spot, spatial distribution, and spatial clustering analysis techniques.
- Determine equipment and personnel positioning with sophisticated line-of-sight and viewshed capabilities.

Graphic displays of full motion video and its associated tracking graphics are geofused with other forms of geospatial information to provide an instant view of the common operational picture.

Requirements

- Image Scout

-OR-

- GeoMedia Essentials, GeoMedia Advantage, or GeoMedia Professional tier

OPTIONAL:

- GeoMedia Image Professional (included with Image Scout) for integrated image analysis and reporting.
- Catalina Ground Station or Catalina Lite for live video.
- SQL Server for video warehousing, clipmarks, and registration functionality.

Contact us

https://go.hexagongeospatial.com/contact-us-today

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at hexagon.com and follow us @HexagonAB.