GEOMEDIA® MOTION VIDEO ANALYST PROFESSIONAL

Hexagon Geospatial's GeoMedia Motion Video Analyst Professional 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. Underlying GeoMedia Motion Video Analyst Professional is the widely used GeoMedia geospatial platform that enables you to integrate data from disparate sources into a single environment for viewing, analysis, and presentation. With this application, agencies have a high-productivity environment for analysis of full motion video taken from unmanned aerial vehicles (UAV). Military forces, intelligence agencies, public safety organizations, and smart cities can use it to exploit and analyze video for near real-time decision making. The software provides initial review capability for incoming video, such as placing clipmarks and extracting single-frame images and clips.

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.

OUR 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: raster maps, elevation data, vector data, satellite imagery, 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 operating picture. It provides additional capabilities to enhance, manipulate, chip/clip, and annotate both image and data.

FEATURES AND BENEFITS OF GEOMEDIA MOTION VIDEO ANALYST PROFESSIONAL

- Fully exploit video and imagery data in one seamless, geofused environment

- Leverage Hexagon Geospatial's advanced video enhancement and stabilization capabilities

- Discover a new geospatial context in which 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, or other 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, or 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

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

FEATURES AND BENEFITS OF THE GEOSPATIAL INTELLIGENCE EXPLOITATION SOLUTION

- Enhance, manipulate, chip/clip, and annotate both image and video elements for a complete analysis product
- Employ image mensuration to aid in the identification of vehicle types to determine the dimension 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

REQUIREMENTS

- Image Scout

-OR-

- GeoMedia Essentials, GeoMedia Advantage or GeoMedia Professional tier
- Microsoft® Windows® 7 Pro or Ultimate SP1 x64, or Windows 8.1 Pro x64 + Media Center Pack , or Windows 10 Pro x64 + DVD Player app

OPTIONAL:

- GeoMedia Image Professional (included with Image Scout)
- Catalina Ground Station or Catalina Lite for live video
- TerraShare+Oracle or SQL Server for video warehousing, clipmarks, and registration functionality

About Power Portfolio

The Power Portfolio from Hexagon Geospatial combines the best photogrammetry, remote sensing, GIS and cartography technologies available. Flowing seamlessly from the desktop to server-based solutions, these technologies specialize in data organization, automated geoprocessing, spatial data infrastructure, workflow optimization, web editing, and web mapping.

The Producer Suite enables you to intelligently author, analyze, process, and map multiple sources of data.

About Hexagon Geospatial

Hexagon Geospatial is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications. Learn more at hexagon.com.

Producer Suite

POWER
PORTFOLIO®