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We Track It, You Secure It

Tools for tracking full motion video feeds in ArcGIS® Desktop

The SAIC GeoRover MIMapView extension provides commercial tools for situational awareness and metadata storage by integrating full motion video (FMV) feeds from unmanned aerial vehicles (UAVs) or other platforms with the Esri® ArcGIS® Desktop application (ArcView®, ArcEditor™, or ArcInfo®). MIMapView tools are designed to work with Motion Imagery Standards Profile (MISP) compliant video feeds, a standard format used by many UAV platforms.

Intuitive, Simple and Low Cost Interface

The MIMapView extension is designed to address the needs within the Department of Defense (DoD), the intelligence community, homeland security, and the commercial community to track, manage and record FMV feeds and associated metadata. The MIMapView extension is an intuitive, simple and low cost interface for analysts to track, manage and record video feeds during or after missions. The MIMapView extension is interoperable with SAIC AIMES, the Video Processing Capability (VPC) and the MITools application, as well as other FMV solutions.

GeoRover Software Products

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(Left) Track multiple platforms simultaneously in the ArcMap application

Benefits

- Tracks, manages and records multiple video feeds simultaneously in the ArcMap application
- Enables users to stop and start metadata recording for the platform, sensor footprint, and sensor footprint center point
- Works with MISP-compliant video streams with Key Length Value (KLV) metadata
- Enables personnel to perform multiple tasks under one common Esri ArcGIS application
- Increases productivity by enabling users to track and record FMV feed locations in a geospatial context and quickly react to mission information
- Can be used with SAIC GeoRover RPF Tools extension to display mission information over raster map products such as ECRG, CADRG, and CIB®
- Can be configured to work with SAIC AIMES/VPC/MITools application feeds

Features

- Flexible, user-defined metadata recording and storage options for FMV feeds to new or existing feature layers
- Allows users to match incoming metadata attributes to attributes in existing shapefiles or feature classes (personal, file, or ArcSDE®)
- Displays metadata information for MISP-compliant FMV feeds
- Zoom To and Pan To option settings for each platform/sensor footprint
- Menu to 'Keep On Map' and 'Keep Centered' provides optimal viewing settings for tracking metadata information
- Provides options for adding, editing and removing feeds
- Customizable symbology for each feed

Display Platform Location

- Track multiple platforms simultaneously in the ArcMap™ application using different symbols/colors for easy identification
- Historical platform track can be displayed in the ArcMap application

Display Sensor Footprint Location

- Displays sensor footprint by reading metadata from real-time FMV
- Plots are based on real-time or archived data
- Automatic sensor footprint sizing based on metadata



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