AIMES — Motion Imagery

AIMES, developed by Leidos, is the next generation in motion imagery (MI) processing, exploitation, and dissemination (PED) suites. As MI becomes more prevalent, analysts and decision-makers need the appropriate tools to effectively manage and exploit vital incoming information.

As an industry leader, Leidos has years of experience in information exploitation and knowledge management solutions. This knowledge, in conjunction with user requirements, led to the development of the AIMES product line, designed to provide end-to-end high definition video processing for surveillance operations. Leidos has provided solutions for the intelligence community, the Department of Defense, and international customers in operational environments.

**BENEFITS**

› Reduces training time
› Improves collaboration
› Speeds the delivery of intelligence products
› Allows analysts to view multiple feeds simultaneously
› Enables quick, real-time annotation

AIMES Exploit was designed with a dynamic interface using dockable windows to provide analysts with the ability to customize their workspace. Shown above is a workstation running a video viewer, GEOINT viewer, and work tray.

AIMES Exploit enables analysts to capture and annotate still shots from motion imagery in a few simple steps while continuing to monitor streaming videos.

AIMES Exploit features chat functionality (shown above) in addition to other functionality (e.g., task logging/management and querying) to enhance and simplify motion imagery analysis.
FULL MOTION VIDEO INGESTION AND MANAGEMENT

The AIMES Server component is a content management system for full motion video (FMV), exploited products, analyst chat/logs and related metadata. It allows users to search for and publish content across multiple, independent data stores. AIMES Server uses OGC-compliant geospatial queries and web services to allow its data to be accessed by standards-based clients.

ENHANCED EXPLOITATION AND ANALYSIS

AIMES Exploit, the primary exploitation client, is enabled by the AIMES Server database to leverage metadata richness and other data artifacts to bring mission synchronization and geospatial empowerment to data analysis and exploitation. It includes streamlined workflow, advanced search, geospatial visualization and search, the ability to view and exploit wide-area motion imagery, as well as playback of video with associated chat conversations. The AIMES Exploit interface uses dockable windows to provide an enhanced visual environment for video exploitation and reporting.

STREAMLINED GENERATION OF INTELLIGENCE PRODUCTS

The AIMES Reporter component augments AIMES Exploit to enable rapid generation of intelligence products. Using an intuitive drag-and-drop interface, AIMES Reporter can create, edit, and share full motion video derived products in HTML, Microsoft® Word and PowerPoint® formats. AIMES Reporter can also be used to generate video products with the ability to edit video clips and insert JPEG snapshots.

KEY FEATURES

- Intuitive user interface with single-click functionality
- Native in Oracle® Solaris® or Windows® Operating System
- View and exploit wide-area motion imagery
- Phase 0 through Phase 3 exploitation capabilities for FMV
- Collaborative desktop environment
- Time synchronized chat storage and discovery
- Integrated multimedia intelligence reporting functionality
- Plug-and-play web services architecture for rapid integration of third-party software
- Near real-time and forensic fusion of intelligence information
- Task management capability supporting dynamic mission-driven tasking changes
- Intelligence product template generation
- Wide area persistent surveillance
- Single integrated work environment with realtime tools and alerts

AIMES provides motion imagery analysts with the tools they need to exploit and report on vital intelligence.

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