

CAPTURE, EXPLOITATION, DISSEMINATION AND ARCHIVING

Multi-INT Analysis and Archive System (MAAS)



Unified intelligence across mission operations.

Multi-INT Analysis and Archive System (MAAS), part of the General Dynamics Mediaware suite, is a scalable, service-based solution for intelligence operations. It enables analysts to capture, exploit, disseminate and archive ISR data, including Full Motion Video (FMV) and Ground Moving Target Indication (GMTI). MAAS supports real-time and forensic analysis using multi-INT methodologies for live missions, Structured Observation Management (SOM), and Activity-Based Intelligence (ABI).

Users can view, tag, and report events in real time, with dynamic discovery for immediate or post-mission analysis. The system integrates data from multiple sources to enhance collaboration and information sharing, offers secure, scalable storage for video content, and works with diverse platforms. Built on a Service-Oriented Architecture (SOA), MAAS ensures seamless integration with third-party tools and open-source solutions, and supports flexible deployment in tactical, enterprise, or hybrid/cloud environments.

-  Generate custom reports in real-time
-  Configure entire report templates
-  Customizable tools for rapid reporting
-  Hybrid/cloud deployment for flexibility
-  Easy to share and federate captured observations

Precise video analysis for mission capture.

MAAS' Mission Capture allows analysts to accurately record and annotate video for mission needs. It supports data cleanup, frame insertion, and includes an advanced video player with zoom, pan, filtering, variable speeds, and single-frame playback.

Collaborative mission exploitation for real-time insight.

The exploitation capabilities create an intuitive way to analyze and exploit video imagery across multiple formats. Analysts can tag, annotate, link, share, and document intelligence events, capturing structured observations for immediate collaboration, coordinated analysis and better mission outcomes.

Flexible integration for every environment.

MAAS enables easy integration with modern and legacy web clients through multiple access points. MAAS supports REST-based services for technologies like AngularJS and ReactJS, and SOAP-based services for older platforms such as ASP and Flash. All services comply with both formats and include OGC-compliant counterparts.

Secure, scalable storage.

The platform includes secure, scalable storage for original video, metadata and derived content for user-defined periods. MAAS supports multiple storage tiers, from single disks to enterprise systems, and integrates with SAN, NAS, tape backups, and cloud solutions. Its flexibility ensures it can be tailored to any storage platform.

Delivering data where it matters most.

MAAS provides multiple pathways to share data for mission analysis. Through MAAS web services and portals, users can query stored information by keyword, metadata, geolocation, or time, and distribute results via web, email, removable media, or enterprise repositories. Additional options include FMV rebroadcast, coalition sharing, and integration with tools like Pursuer.

FOR ALL INQUIRIES INCLUDING MAAS/
MEDIWARE PRODUCTS (MWP):

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Technical Specifications

Motion GEOINT Inputs

- **Full Motion Video (FMV)**
 - MISP standard H.264 and H.265 video delivered via MPEG2 Transport Stream (MPEG2TS) container, with or without Key Length Value (KLV) metadata or audio channels.
 - Multi-Program Transport Stream (MPTS) Support
 - MPEG2 TS with MISP compliant video elementary stream
 - Streaming FMV data, delivered by UDP multicast or unicast
 - Standard Definition (SD) video
 - High Definition (HD) video
- **Legacy Video**
 - Analog and digital video from handheld recording devices
 - Legacy analog tape formats and MPEG-1
- **Metadata**
 - MISB ST 0601, 0604, 0806, 0903, 1107, 1204, and others
 - KLV
 - Closed Caption (CC) metadata
 - Cursor on Target (CoT)
- **Support Data**
 - National Imagery Transmissions Format (NITF) from Global Hawk, U-2 aircraft and other sources
 - Digital images, documents, maps, and shape files
 - Real-time chat sessions from several common platforms (IRC and XMPP based solutions).
 - Video Moving Target Indicator (VMTI)
 - Ground Moving Target Indicator (GMTI)

Outputs

- HTML web reports
- Highlight videos
- Annotated products in jpg, ppt, gif or other formats
- NITF files
- Shape files
- Windows Media® format video
- MPEG-1
- MPEG-2, H.264 or H.265 encoded video clips with metadata
- Mission summary reports
- KML files for display in Google Earth™
- Selected Image Target Area (SITA) files

Third-party products

- Pursuer
- Open Map™
- Falcon View®
- Google Earth™
- ESRI ArcGis®
- SOCET GXP®
- © Palantir
- © Ikena ISR
- MPEG-1
- MPEG-2, H.264 or H.265 encoded video clips with metadata
- Mission summary reports
- KML files for display in Google Earth™
- Selected Image Target Area (SITA) files