Advances in sensor systems and airborne platforms has made it increasingly important for users of motion imagery to efficiently view and exploit video together with platform metadata. Knowing how, when, and where mission data was collected is essential for users to derive actionable intelligence.

MissionMonitor is an advanced ISR motion imagery viewer which combines high performance playback and video enhancement with integrated metadata and situational awareness tools. It supports ultra-low latency decoding, a moving map display, and access to the contextual video metadata to support a variety of mission workflows.

As a fully STANAG 4609/NGA MISP* compliant viewer, MissionMonitor can be accredited and installed across military, law enforcement and commercial organisations to enable proficient viewing and interpretation of live, post flight and archived video content.

- Incisive video and imagery review
- Enhances situational awareness
- Simplifies analysis and reporting
- Intuitive user interface reduces user fatigue
- Quick installation and setup within minutes
MISSION MONITOR

INCISIVE MOTION IMAGERY REVIEW

MissionMonitor has an operationally proven track record and boasts demonstrated plug and play interoperability with STANAG 4609/NGA MISP compliant manned and unmanned ISR platforms. With its precise player controls, accurate on-screen measurement, snapshot and clip extract publishing tools, MissionMonitor allows users to efficiently view and report on imagery.

Player functions

- Low latency decoding reduces glass to glass display
- Frame step, slow mode or up to 32x fast forward or rewind enables large volumes of archived video to be quickly reviewed and processed
- Precise navigation by time
- Selectable zoom and pan
- Integrates with a variety of mapping tool sets
- Enhancement filters such as contrast enhancement, haze removal and image sharpening.

Metadata management

- Moving map display improves situational awareness
- Configurable heads-up-display enables platform and sensor telemetry data to be overlaid on the video without permanently obstructing the imagery
- On-screen measurement of distance, path and area
- View Video Moving Target Indicator (VMTI MISB ST 0903) detections

Visualiser options

- Quick platform view
- View co-ordinates as latitude/longitude, military grid reference system (MGRS) and universal transverse mercator (UTM)

MissionMonitor optionally includes a data diagnostics module that makes it an indispensible tool for system integrators, system operators and network administrators. With detailed tools to inspect the video and metadata encoding and transport stream packetization, users can perform conformance testing, quality monitoring and system troubleshooting.

TECHNICAL SPECIFICATIONS

- STANAG 4609 / NGA Motion Imagery Standards Profile (MISP) compliant, including:
  - Standards 0902, 0601, 0102, 0604, 0903 and EG 0104
  - ESD Carried in Closed Caption fields (Line-21)
- Video Formats
  - HEVC (H.265) SD/HD 4K Main profile
  - AVC (H.264) SD/HD Base, Main and High profile
  - MPEG-2 Main and 4.2.2 profile
- Packetization
  - MPEG-2 Transport and Program Streams
- Image Formats
  - BMP, PNG, PPM, TIF, JPEG, NITF 2.1
- Input Media
  - File
  - UDP/IP Unicast and Multicast
- Mapping Clients
  - FalconView™
  - Google Earth™
  - WMS Map Servers
- System Requirements
  - Windows® 10/8.1/7
  - Graphics cards must support OpenGL® version 1.5. (NVIDIA® cards recommended)
  - RAM Needed: 4GB minimum

General Dynamics Mediaware • Phone +61 2 6163 8770 • Sales@gdmediaware.com.au
General Dynamics Mission Systems • Phone +1 703 263-1406 • MAAS.Sales@gd-ms.com

©2019 General Dynamics. All rights reserved. General Dynamics reserves the right to make changes in its products and specifications at anytime and without notice. All trademarks indicated as such herein are trademarks of General Dynamics. All other product and service names are the property of their respective owners. ® Reg. U.S. Pat. and Tm. Off.