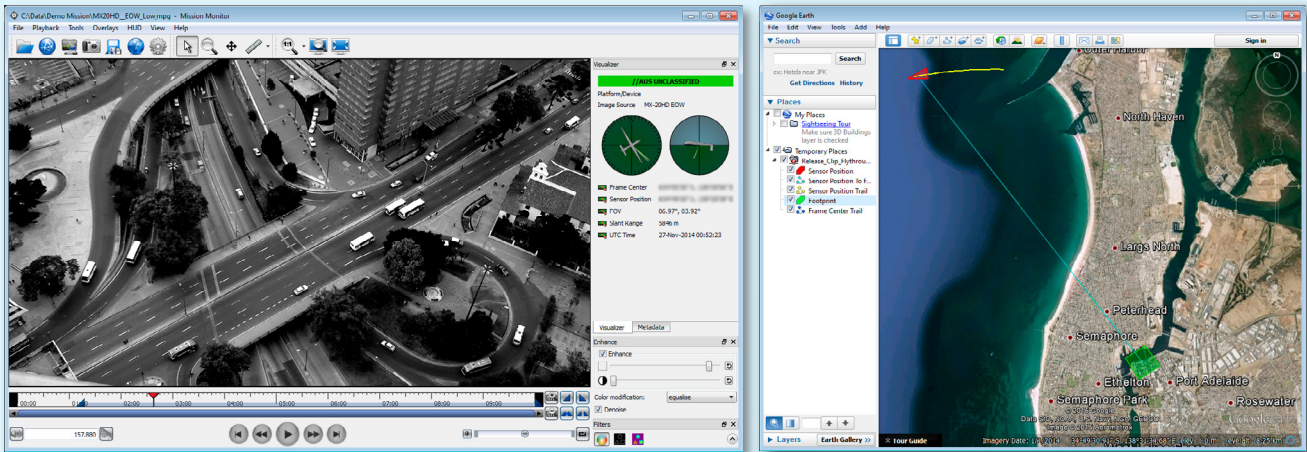


MissionMonitor

A video player designed for ISR Motion Imagery



The essential player for the review and enhancement of ISR imagery.

Reliable imagery review

Enhances situational awareness

Simplifies analysis and reporting

Reduces user fatigue

Standards compliant
(STANAG 4609/NGA MISP)

A superior ISR video player

Surveillance and Reconnaissance (ISR) environments rely on their ability to efficiently review motion imagery precisely. Knowing how, when and where imagery is collected speeds up the tempo of analysis and is vital for deriving actionable intelligence.

MissionMonitor is a video player designed for ISR motion imagery, combining accurate video playback with integrated metadata and situational awareness tools to provide enhanced operational understanding. Supporting frame-by-frame playback, ultra-low latency decoding, a moving map display and full access to associated metadata. MissionMonitor enables swift decision making by reliably playing most ISR video formats and tolerating the video disruption common to the ISR operating environment.

As a 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.

* Standardization Agreement (STANAG) 4609 and National Geospatial Intelligence Agency (NGA) Motion Imagery Standards Profile

Designed for ISR

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 indispensable 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*

Supported Standards and Formats

- **STANAG 4609 / NGA Motion Imagery Standards Profile compliant, including:**
 - Standards 0902, 0601, 0102, 0604, 0903 and EG 0104
 - ESD Carried in Closed Caption fields (Line-21)
- **Video**
 - 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
- **Image**
 - BMP, PNG, PPM, TIF, JPEG, NITF 2.1
- **Packetization**
 - MPEG-2 Transport and Program Streams
- **Input Media**
 - File
 - UDP/IP Unicast and Multicast

Supported Features

■ Mapping Clients

- FalconView™
- Google Earth™
- WMS Map Servers

Minimum System Requirements

- Windows® 7, Windows® 8, Windows® 8.1
- Graphics cards must support OpenGL® version 1.5. (NVIDIA® cards recommended)
- RAM Needed: 4GB minimum

* Depending on hardware and license.

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