Integrated Full-Motion Video Solutions
Faster, Smarter Exploitation Tools for Video Intelligence
Full-motion video is the next frontier for intelligence analysis. With UAVs, wireless webcams, 24x7 security cameras and a host of other sensors gathering thousands of hours of video a day, the challenge is turning terabytes of footage into real-time tactical knowledge and, ultimately, a strategic advantage.

Three of the industry leaders in video and intelligence exploitation – Lockheed Martin, Harris Broadcast Communications, and NetApp – have joined together to offer a complete and integrated full-motion video (FMV) architecture. This cutting-edge FMV solution manages the full video intelligence cycle, from immediate processing, exploitation and dissemination (PED) to long-term secure storage, archiving and cataloguing. Drawing on advanced technologies that power today’s commercial broadcast video and television networks, FMV gives you the power to take full advantage of your video enterprise.

**Real-Time Exploitation – Transforming the Video PED Cycle**

With tactical video intelligence, the only time to act is in real time. Analysts must be able to capture, annotate and share critical video clips before its intelligence value expires. FMV accelerates the video PED cycle through built-in “on-the-fly” exploitation tools:

- Telestrate and tag video clips with key words, icons, graphics and expressions - either automated from existing metadata or created on the fly.
- Cut, categorize and upload clips to a networked catalog in minutes.
- Set up automated alerts to notify you of new content.
- Capture license plates and other critical intelligence with FMV’s integrated extraction tools.
- Share video over thin-pipe networks with bandwidth management tools that accommodate networks below 56kbps.

FMV’s real-time exploitation tools are built to keep up with your operational tempo, moving relevant and actionable intelligence across the network and into the hands of tactical users.

**Uniquely Tailored to the Video Intelligence Challenge**

FMV is built on the same technology that powers rapid-fire sports highlights and real-time broadcast news feeds to use weather, mapping, mIRC chat, rules of engagement, and multi-INT data feeds from across the battlefield into a cohesive picture.

- **Manage over 3000 data feeds** with a high-powered video management system that handles the “heavy lifting” centrally, extends the network to the edge and takes the processing burden off of individual users.
- **Conduct time-phased analysis** of video streams, comparing feeds from multiple sensors over short- or
Full-Motion Video Solutions

Transforming the Video PED Cycle

Real-Time Exploitation – to take full advantage of your video enterprise.

FMV combines proven, industry-leading tools from the leaders in video exploitation:

- **Audacity**, developed by Lockheed Martin, is a video analytics engine that tags, sorts and catalogs digital footage. Audacity includes integrated intelligence tools such as video mosaic creation, facial recognition, object tracking and smart auto-alerts based around geospatial areas of interest.

- **FAME™** – Full-Motion Video Asset Management Engine – developed by Harris Broadcast Communications Division, provides a completely integrated and flexible architecture to address the automation of metadata creation, near real time (NRT) exploitation and distribution capabilities similar to a major sporting event, complete with “information” that provides superior situational awareness.

- **Data ONTAP**, developed by NetApp, implements a flexible, high-performance storage COTS architecture that scales to 24 storage servers and 14 PB of capacity in a single distributed cluster. This scalability enables Data ONTAP to provide bandwidth to support the most data-intensive computing environments. This makes Data ONTAP ideal for FMV and imagery applications where high bandwidth is critical.

Together, the FMV team also offers deployment, installation, training and sustainment services worldwide.

Integrating Video with the Intelligence Enterprise

FMV breaks down the barriers between video and the traditional intelligence enterprise, giving you a fused and complete intelligence picture from every sensor at your disposal.

- **Plug-and-play interface with DCGS** and other enterprise intelligence networks through FMV’s standards-based, open architecture.

- **Fused situational awareness maps and models** through one-click geo-registration and export to Google Earth.

- **Expand your network of sensors** by connecting to video feeds across the enterprise. With FMV, any sensor feed on-line is at your disposal.

- **Scale to support expanding operations** with FMV’s Service-Oriented Architecture, which evolves with your growing user base and suite of applications.

long-term timelines for change detection or pattern recognition.

- **Create seamless video mosaics** with built-in editing and fusion tools.

- **Easily convert clips to a variety of formats** to support a broad range of users and technical requirements.

- **Fully compliant with industry standards** like Motion Imagery Standard Profile 5.4.