



BLUEFORCE INTERFUSE V1.2

Aggregation, Normalization, and Standardization of Disparate Static Imagery Sensor Data



Overview

Today's command post, tactical operations center, or emergency operations center leverages a myriad of sensor types from a multitude of manufacturers. While these sensors provide high value imagery and deliver enhanced situational awareness, interoperability becomes a big issue. Each manufacturer enforces their own data standards, transports, and communication exfil paths. This often results in multiple consoles or viewer applications for consuming data from the wide array of deployed sensors. The impact of this "black box" approach creates a disjointed operational view which ultimately has a negative impact on situational awareness

Blueforce InterFuse is an easy to use, simple to manage, Microsoft Windows-based fusion engine for normalizing, fusing, and storing data from disparate surveillance sensor systems. The product assures fused and interoperable output for both static imagery and geospatial mapping and consumption of imagery from deployed assets. Output may be viewed in any standards-based dashboard system, common operational picture (COP), and/or geospatial information system (GIS). Converted imagery can also be tagged and stored in an archive store for retrieval at a later date.

Mission Areas

- Fusion Center
- Critical Infrastructure Protection
- Situational Awareness
- Command and Control
- Surveillance and Collection
- Law Enforcement
- Special Operations
- Remote Sensor Networks

Key Features

- Consumes, normalizes, and stores Ingests inbound imagery from any number of sensor types that transmit as files to FTP, local, or network attached storage. Also ingests sensor data sent using email protocols.
- Posts converted imagery to file server, web server, and/or FTP server structures for easy serving of Common Operational Picture systems.
- Business logic to support archiving of all imagery to archive stores for forensics and compliance processes.
- Sensor mappings that store image, but also georeference meta data. KML output is updated every 5 seconds allowing for use with GIS systems.
- Pokes meta-data as EXIF data into headers of archived images for easy enterprise search as well as real-time viewing of sensor health or other operational information.

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