

WEAVER – ENHANCING MISSION EXECUTION

Powerful and affordable ISR mission management software for multi-sensor platform or C2 applications

A scalable, modular and fully featured software suite that provides a multi-source integrated common operating picture, tailorable to multiple users.

PRODUCT OVERVIEW

Weaver is a situational awareness and mission management software application built to enable operators with tools for more effective crew coordination and improved mission execution.

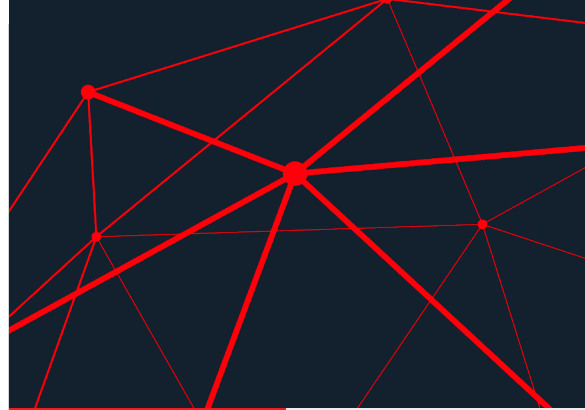
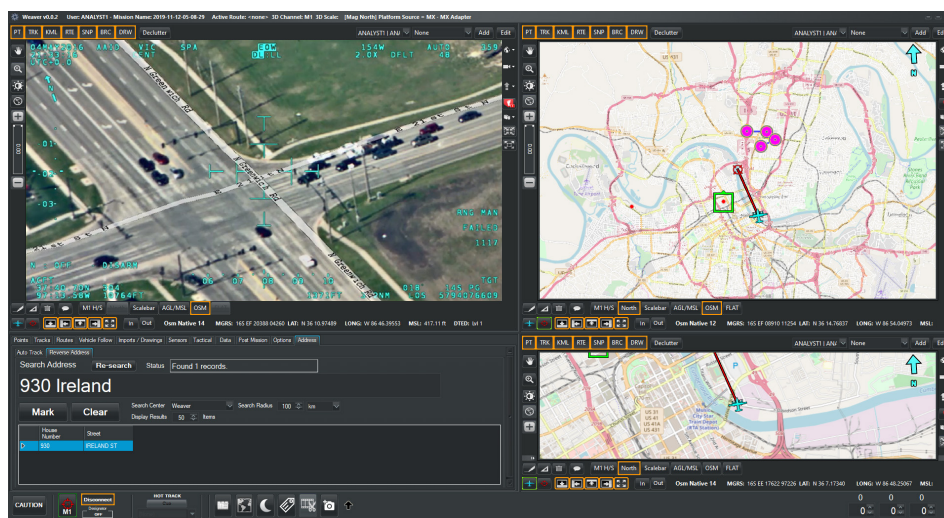
The intuitive user interface allows operators to customize their displays to support mission needs with dynamically resizable media windows that display maps, video, or augmented reality video. A floating media panel allows dual-screen operation. Additionally, each window displays tactical information such as range and bearing between tracks, sensors, and the map cursor with built-in distance measuring and annotation tools.

Points of interest are imported in multiple common formats including KML and KMZ files from Google Earth. Track data is

displayed on the maps and augmented reality video from multiple sources including sensor metadata, or via datalink in Cursor-on-Target format.

Weaver is out-of-the-box compatible with L3Harris Wescam MX™-Series EO/IR sensors and industry-standard maps and charts.

It is easily adaptable to additional platforms and mission sets via existing plug-ins or custom interfaces. These include the ability to access video recording functions, system interfaces, such as EO/IR sensors, radars, radios, helmet mounted cueing systems (HMCS), heads up displays (HUD), special intelligence payloads, video recorders and others. In addition, L3Harris provides options for tailored support, and training.



Features

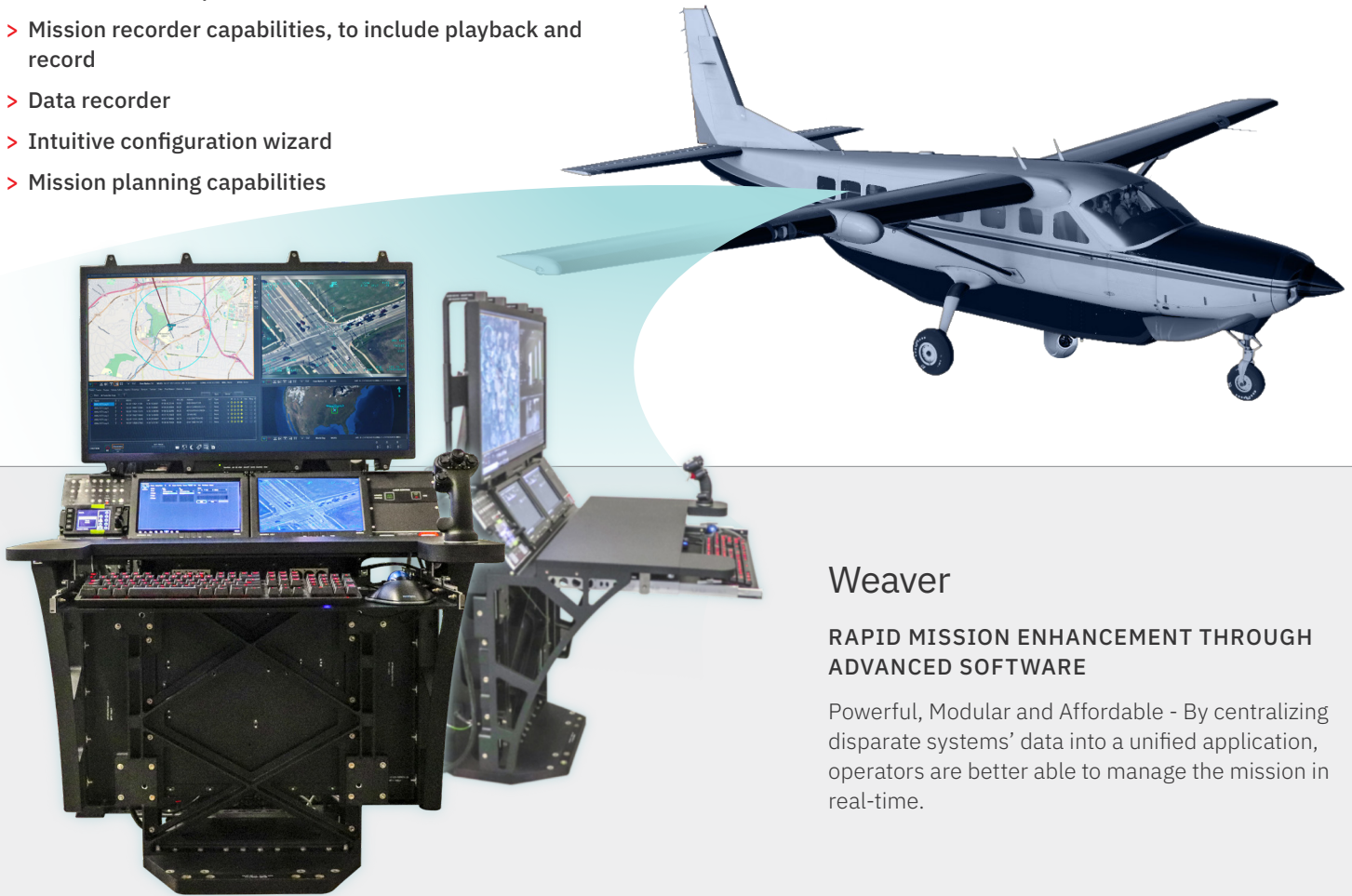
- > Integrates with a variety of disparate onboard systems
- > Combines a robust common operating picture, with EO/IR video with diverse mission data sets to provide system and mission data to the aircrew
- > Provides situational awareness in a unified, intuitive graphic user interface
- > Low-latency augmented reality display of sensor video
- > Modular system architecture for future enhancements

Benefits

- > **Adaptable:** Structured to adapt to various missions including close air support
- > **Flexible and Scalable:** Supports any size aircrew, using commercial-off-the-shelf components to fit customer's platform needs
- > **Powerful:** Provides software control over the EO/IR sensor, ingests video, and incorporates Open Street Maps data, enabling geo-rectified video with embedded situational awareness overlays and features
- > **Modular:** Structured for different capability modules, allowing for further feature development while maintaining the fidelity of the current application

TECHNICAL FEATURES

- > Moving map displays: CADRG, CIB, MrSIDs, SRTM, OSM
- > Ability to ingest and display video
- > Situational awareness tools
- > Ability to create and display points, tracks, routes, overlays
- > Ability to load last mission, or other mission selection
- > WESCAM MX-Series sensor controller
- > Own-ship position
- > Vehicle follow capabilities
- > Mission recorder capabilities, to include playback and record
- > Data recorder
- > Intuitive configuration wizard
- > Mission planning capabilities
- > Address search and reverse lookup
- > Capture tools for debrief artifacts, creates a PowerPoint from mission data
- > Media panes with toolbars to be able to control the display and layout of each pane
- > Import/export capabilities for various data sets, to include FalconView (DRW), GeoTiffs (import), KLV/KMZ files, points, routes (XML), shapefiles (SHP) (export)
- > A server/client application to centrally configure, monitor, control various systems



Weaver

RAPID MISSION ENHANCEMENT THROUGH ADVANCED SOFTWARE

Powerful, Modular and Affordable - By centralizing disparate systems' data into a unified application, operators are better able to manage the mission in real-time.

Weaver – Enhancing Mission Execution

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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1025 W. NASA Boulevard
Melbourne, FL 32919
t 629 888 4200 | f 629 888 4223
FRX.Products@L3Harris.com