L3HARRIS™
FAST. FORWARD.

WIDOW® 2.0 — NEXT-GEN MODULAR MISSION MANAGEMENT SOFTWARE

Scalable and configurable mission execution software that integrates video, imagery, sensor and geospatial data into an intuitive and effective common operating picture.

Our modular, open architecture software allows operators to integrate multiple mission management feeds into one optimized display.

Display up to eight independent media windows per crew station, tailored with the user's choice of maps, video, augmented reality, or custom menus/status tools for workload optimization and crisp mission execution.

PRODUCT OVERVIEW

Widow® 2.0 combines real-time surveillance technologies with integrated and diverse data products for an optimized Mission Management System. It seamlessly integrates multi-spectral video sources and offboard informational feeds with satellite imagery, reference maps, and terrain databases to deliver a real-time Common Operating Picture for improved task efficiency and speed. Widow® 2.0 is designed to decrease operator workload in robust mission environments, increase situational awareness and boost mission effectivity.

The core software architecture of Widow® 2.0 is modular, scalable and user-configurable. This enables custom layouts with maps, video, augmented reality video, or customized, mission specific menus, status and tools. All of this is accessed by pre-loaded and configurable human machine interfaces, including touch screen, bezel key, HOTAS/HCU and keyboard/mouse. Multi-user/station support allows data to be shared on and off board for collaboration and reduced task saturation.

Widow® 2.0 is also configured for a higher level of cockpit and avionics integration. It can be delivered ready to integrate with the Garmin G3000/G5000, CMC Cockpit 9000, L3Harris PANTHR Large Area Display (LAD) or other similar avionics suites, offering a consolidated cockpit user experience at a fraction of the cost of a Operational Flight Program.

The latest in our line of mission software products, Widow® 2.0 also has available options for installation, integration, training and support.

Features & Benefits

- **Open architecture:** Built with a modular mindset, Widow® 2.0 menus, layouts and interfaces can be tailored by each operator for maximum effectiveness. Our available software development kit allows customers to create modules for future hardware integration or module upgrades
- **Robust core capabilities:** Widow® 2.0's intuitive core capabilities have seen over 1.3 million flight hours of special mission combat support, and its iterative upgrades are driven by ISR and strike operators
- **Pre-integrated components and modules:** Our growing list of out-of-the box plug-ins include industry common radars, EO/IR sensors, radios, helmet-mounted cueing systems and datalinks

TECHNICAL FEATURES

Core Features include:

- Programmable menus
- Augmented reality video with tactical overlays
- Data import of points of interest, drawings/overlays, GeoTIFF
- Sensor integration with tools for cueing, tracking and image enhancement
- Tactical moving maps with configurable modes and tactical graphics tools
- Multi-user, multi-station modes for on and off-board collaboration during mission
- Configurable touch screen, bezel key, HOTAS/HCU and keyboard/mouse interfaces
- Widow® 2.0 comes with Open Street Maps (OSM) data level 0-11, with additional map scales available for purchase
- Support for NGA datasets (CADRG) and elevation data (DTED), and commercial imagery and elevation data (OSM and SRTM)
- Intuitive tools for marking targets, viewing datalink track information, recording and playing video, commanding sensors and dynamically adjusting User Interfaces
- Up to 8 independent media windows per monitor, each window displaying user choice of maps, video, augmented reality video, custom menus, status and tools

Hardware flexibility and a Windows OS enable operation on tablets, laptops and ruggedized mission computers with a variety of display and HMI options.

Modern glass cockpit concept compatible with various avionics suites such as Garmin G3000/G5000, CMC Cockpit 9000 system and L3Harris PANTHR LAD.

Available software development kit with ICDs and APIs.

Digital quick reference guides and user manuals.

Growing list of integrated components and modules:

- Thales Scorpion HMCS
- MOOG weapons and stores management system
- BAE LiteHUD symbol generator
- Northrop Grumman LN-251 EGI
- IMSAR NSP-7 (upcoming)
- Thales I-Master (upcoming)

L3Harris' advanced technologies integrated with Widow® 2.0:

- WESCAM MX™ Series gimbals
- Small Tactical Terminal
- PRC-117G, HAMR, RF-7850 radios
- Vortex datalink
- Hydra common control head
- Installation, integration, training and support available

WIDOW® 2.0

NEXT-GEN MODULAR MISSION MANAGEMENT SOFTWARE

WIDOW® 2.0 - Next-Gen Modular Mission Management Software

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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