

MATRIX™ ISR KIT FOR THE UH-60 PLATFORM

A Modular Intelligence, Surveillance and Reconnaissance (ISR) Package

L3Harris' MatriX ISR kit enables operators to easily convert and deploy their UH-60 helicopters as effective ISR assets. Rapidly re-configure aircraft between traditional mission and ISR mission configurations with a modular and fully self-contained walk-on/walk-off kit of parts and mission console.

L3Harris' MatriX UH-60 kit directly interfaces with WESCAM MX™-Series electro-optical/infrared (EO/IR) sensors, providing operators and flight-crew with highly-detailed ISR intel that can be actioned in real-time and recorded for post mission analysis. MatriX kits provide up to three simultaneous live video feeds including including IR/thermal, daylight, low-light, and blended sensor views. Kits can also manage and distribute EO/IR video to other displays and systems onboard the aircraft.

With the option to embed a mission computer into the console, the MatriX kit can provide operators with a platform for augmented reality and mission planning, in addition to incorporating custom computing capabilities.

ISR OPERATIONS:

Create a highly effective platform for ISR operations while retaining your aircraft's ability to support traditional operational roles.

A complete mission system includes:

- > Industry-leading WESCAM MX-Series EO/IR surveillance or targeting turret
- > Customizable mission console
- > Aircraft specific floor mounting options
- > Interconnect cabling

The mission console provides operators with the ability to fully control the EO/IR sensor as well as the ability to view and record mission critical video. The console also allows for the integration of an embedded mission computer, which hosts industry leading mission execution packages that provide moving map, advanced sensor automation, and mission planning and reporting capabilities.

WALK-ON / WALK-OFF:

The MatriX kit has been engineered for flexibility. A simple "fitted for" design ensures all of the mission equipment can be easily removed through a simple disconnect and unbolt procedure.

The solution is light enough to be carried between aircraft and quickly installed onto a second aircraft - making it mission-ready within 30 minutes. This quick exchange time significantly increases a fleet's rapid response capability.

This design and integration approach provides users with the flexibility to manage their ISR mission readiness and aircraft availability. If an individual aircraft is grounded for maintenance or repair, this transferable ISR capability can be rapidly deployed on a different aircraft.



FAST, FLEXIBLE, MODULAR

L3Harris' MatriX ISR kit significantly minimizes the need for airframe modifications, reducing total solution cost and aircraft downtime.

- > Self-contained
- > No permanent modification to aircraft
- > Transportable from one platform to another within the fleet
- > Retains original functionality of aircraft
- > Customizable for operator's specific mission requirements



MatriX ISR UH-60 Blackhawk console

Operators around the world are faced with increased demands on their assets, while facing budget constraints and limitations. This has driven a trend towards multi-role aircraft and a need for rapid conversion. L3Harris has responded to this need with the development of an engineered ISR solution for the UH-60. In less than 30 minutes, your UH-60 can be temporarily converted to fly effective ISR missions. The solution consists of an A-Kit facilitating rapid conversion and a B-Kit consisting of an operator console and optional equipment designed for use with the industry leading WESCAM MX-10, -10D, -15 and -15D turrets.

Helicopter Fleet with no ISR Capability



A-Kit (wiring and turret mount)



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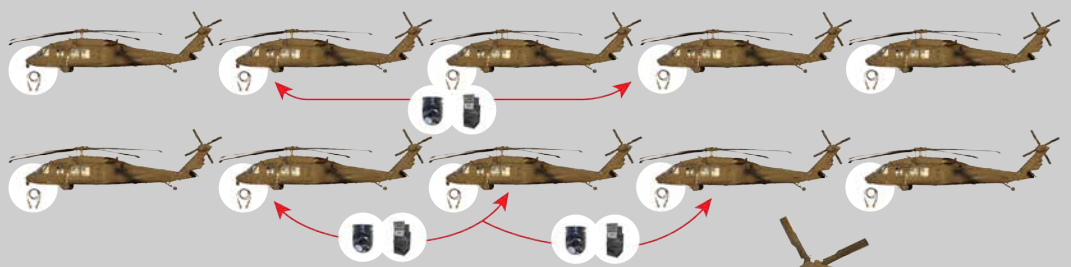
Helicopter Fleet with A-Kit added



B-Kit (WESCAM MX-Series turret and console)



B-Kits can be easily moved across the fleet within 30 minutes to suit mission execution



B-Kit console install options:

- Remove one seat
- Affix to pre-existing cargo rails



*Helicopter model used for general illustration purposes only

MatriX ISR UH-60 Blackhawk kit configurations

MatriX ISR

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