L3HARRIS™
FAST. FORWARD.

MATRIX™ ISR: A MODULAR ISR PACKAGE FOR THE C-130

A Modular Intelligence, Surveillance and Reconnaissance (ISR) Package

The MatriX ISR kit allows C-130 platform operators to easily convert C-130 cargo aircraft into effective ISR assets. Get more out of a smaller fleet with the ability to rapidly re-configure aircraft between mission and non-mission configurations with a palletized, modular and fully self-contained roll-on/roll-off kit.

ISR OPERATIONS:

The MatriX kit for the C-130 platform creates a highly effective platform for ISR operations while retaining the aircraft's ability to support other operational roles.

A complete mission system includes:

- Industry-leading WESCAM MX™-Series electro-optical/infrared (EO/IR) surveillance or targeting turret
- Two-position mission console
- Retractable EO/IR sensor mount with modified aft jump door

The kit's console provides mission operators with the ability to fully control the EO/IR turret as well as the ability to view and record the video. The embedded mission computer hosts leading mission execution packages that provide moving maps, advanced sensor automation and mission planning / reporting capabilities.

MatriX performing mission operations

ROLL ON/ROLL OFF:

The console, turret mount, and replacement aft jump door are transported in a standard 10-foot International Organization for Standardization (ISO) shipping container and loaded onto the aircraft via a standard 463L pallet.

Unpacking the system and completing the installation requires less than 2 hours. De-installation takes a similar amount of time.

No permanent aircraft modifications are required to operate as an ISR asset. The system is fully self contained. Additional interfaces to aircraft systems are not required; with the exception of a single power feed.

FAST, FLEXIBLE, MODULAR

Modular C-130 MatriX kit significantly minimizes required airframe modification; reducing total solution cost and aircraft downtime

- **Self contained**
- **No permanent modification**
- **No fixed external sensor mounts**
- **No new aircraft cabling required**
- **Transportable from one platform to another within the fleet**
- **FAA certified**

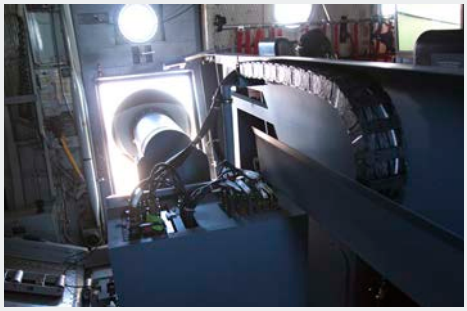
Operators around the world are faced with increasing demands on their assets, while facing budget constraints and limitations on the number of aircraft types in their fleets. This has driven a trend towards multi-role aircraft and a need for rapid conversion. L3Harris has responded to this need with the development of an engineered ISR kit for the C-130 family of aircraft. In less than two hours, your C-130 can be temporarily converted to fly effective ISR missions. The kit consists of a two-position operator console and an extender/retractor mechanism for the EO/IR turret. The operator console includes HD displays, keyboards, mission grips, seats and a mounting structure. The turret deployment mechanism includes a custom door as well as the extending/retracting turret mount. Get more out of a smaller fleet with the ability to rapidly re-configure aircraft. The MatriX C-130 kit is designed for use with industry-leading WESCAM MX-20 or MX-25 turrets.

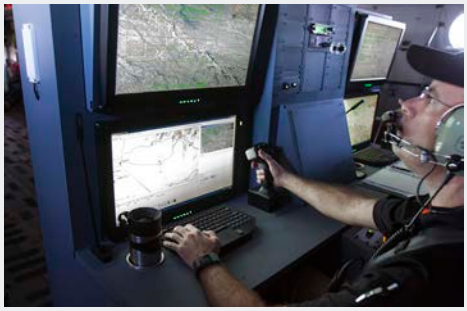
Standard C-130 cargo platform

K-loader with MatriX C-130 console

Roll-On/Roll-Off – positioning the pallet console

Door plug open


WESCAM MX-Series turret and arm deployment


C-130 mission operations

C-130 mission operations

WESCAM MX-Series turret and arm fully deployed

MatriX ISR

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