L3HARRIS™
FAST. FORWARD.

WESCAM MX™-10D.
FULLY DIGITAL. HIGH DEFINITION.

A Small Multi-Sensor, Multi-Spectral Targeting System in a Single Line Replaceable Unit (LRU)

ACTIONABLE INTELLIGENCE

The WESCAM MX-10D is ideal for low-altitude, tactical surveillance & target designation missions requiring low-weight, and installation flexibility.

MULTI-SENSOR IMAGING/LASING PAYLOAD OPTIONS

> Supports six payload items simultaneously

> HD thermal, HD daylight and low-light cameras provide 24/7 imaging

> Continuous zoom IR and EO

> High-sensitivity color low-light imaging

> Laser target designator[1]

> Eye-safe laser rangefinder

> Laser target illuminator[2]

HIGH-PERFORMANCE GIMBAL

> 4-axis stabilized turret with internal passive isolator for excellent stabilization performance

> Sharp optics and superior stabilization performance results in industry leading target detection, recognition and identification range performance in the 10" class

> Inertial Measurement Unit (IMU) mounted to optical bench for high target location accuracy

> Inertial Navigation System (INS) auto-align to aircraft

ADVANCED IMAGE PROCESSING

> Real-time image enhancement on all sensors

- High-performance haze penetration

- Improved feature recognition and ID

- 2x, 4x Ezoom

- Advanced video tracker

- Imaging blending

- Embedded Moving Target Indication

- Pseudo-color IR

WESCAM ADVANCED VIDEO ENGINE (WAVE)

> A high-performing embedded computing engine engineered to support advanced image-processing capabilities

> WAVE architecture includes a state-of-the-art graphics processing unit (GPU) - enabling future advancements in image processing & surveillance automation

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INTERFACE FLEXIBILITY

> Built-in video switch matrix provides multiple HD-SDI and analog video outputs

> 720p or 1080p HD video

> Wide range of data ports: RS-232/422, Ethernet, MIL-STD-1553B, ARINC429

> All standard WESCAM MX-Series command and control, moving map, searchlight, and radar interfaces

RUGGEDNESS

> Rugged aerospace grade aluminum structure

> MilSpec environmental, EMC, and power quality qualification

> Built-in vibration isolator protects internal payload components and minimizes vibration-induced boresight shifts

> Rigorous environmental stress screening (ESS)

> Designed to minimize maintenance requirements and simplify repair

SIMPLIFIED AIRCRAFT INTEGRATION

> 43 lbs turret

> Electronics unit inside the turret

> Built-in vibration isolation

> Built-in GPS receiver

> <15" turret height for better ground clearance

> Compatible with standard quick disconnect mounts

> Side mounted connectors for recessed installations

> No calibration required for LRU swapout

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