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

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

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
- Eye-safe laser rangefinder
- Laser target illuminator

**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
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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