

## **WESCAM MX™-10.**

### **FULLY DIGITAL. HIGH DEFINITION.**

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

The WESCAM MX-10 is ideal for low-altitude, tactical surveillance & search and rescue (SAR) missions requiring low-weight 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-magnification spotter
- > High-sensitivity color low-light imaging
- > Eye-safe laser rangefinder
- > Laser illuminator<sup>1</sup> in choice of narrow or wide divergence

#### **HIGH-PERFORMANCE GIMBAL**

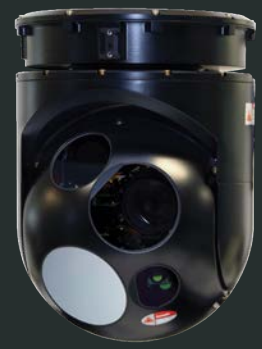
- > 4-axis stabilized turret with internal passive isolator for excellent stabilization performance
- > Sharp optics and superior stabilization performance results in industry leading target detection, recognition and identification range performance in the 10" class
- > Inertial Measurement Unit (IMU) 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



**ACTIONABLE  
INTELLIGENCE**



## 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
- > Rigorous environmental stress screening (ESS)
- > Designed to minimize maintenance requirements and simplify repair

## SIMPLIFIED AIRCRAFT INTEGRATION

- > 38 lbs turret
- > Electronics unit inside the turret
- > Built-in vibration isolation
- > Built-in GPS receiver
- > <14" turret height for better ground clearance
- > Compatible with standard quick disconnect mounts
- > Side mounted connectors for recessed installations
- > No calibration required for LRU swapout



## WESCAM MX-10

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