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 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
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