WESCAM MX™-25D.
FULLY DIGITAL. HIGH DEFINITION.

Ultra Long-Range Multi-Sensor, Multi-Spectral Imaging and Targeting Systems

The WESCAM MX-25D is ideal for high-altitude, long-endurance intelligence, surveillance and reconnaissance, and target designation missions.

MULTI-SENSOR IMAGING/LASING PAYLOAD OPTIONS

- Supports nine payload items simultaneously
- HD thermal, HD daylight, HD low-light and HD SWIR cameras provide 24/7 imaging
- Continuous wide-angle zoom
- High-magnification step-zoom spotter
- High-sensitivity color imaging
- Compact, efficient, reliable laser target designator\(^1\) with small divergence beam for maximum range
- SWIR camera images designator spot
- Eye-safe laser rangefinder
- Laser illuminator\(^2\) in choice of wide, narrow or ultra narrow divergence
- Laser spot tracker

> Inertial Measurement Unit (IMU) mounted to optical bench for high target location accuracy
> Inertial Navigation System (INS) auto-align to aircraft
> Full laser stabilization minimizes spot jitter

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

HIGH-PERFORMANCE GIMBAL

- 5-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 large turret class
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 functional interfaces

RUGGEDNESS
> 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
> Built-in vibration isolation
> GPS receiver built into electronics unit
> No calibration required for Line Replaceable Unit (LRU) swapout