

## 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<sup>1</sup> with small divergence beam for maximum range
- > SWIR camera images designator spot
- > Eye-safe laser rangefinder
- > Laser illuminator<sup>2</sup> in choice of wide, narrow or ultra narrow divergence
- > Laser spot tracker

#### 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

- > 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





## 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



### WESCAM MX-25D

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