

## **WESCAM MX™-8D.** **FULLY DIGITAL. HIGH DEFINITION.**

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

The WESCAM MX-8D is ideal for low-altitude, tactical surveillance and target designation missions requiring low-weight and installation flexibility on manned or unmanned aircraft.

#### **MULTI-SENSOR IMAGING/LASING PAYLOAD OPTIONS**

- > Supports up to six sensors simultaneously
- > Thermal, HD color and low-light imaging
- > Continuous zoom electro-optical
- > Continuous zoom infrared
- > Laser illuminator<sup>1</sup>
- > Laser target designator<sup>2</sup>
- > Eye-safe laser rangefinder

#### **WEIGHT-OPTIMIZED SYSTEM**

- > 17.9 lb / 8.11 kg
- > Internal electronics unit
- > Built-in vibration isolation
- > Built-in GPS receiver

#### **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 8" class
- > Inertial Measurement Unit standard

#### **DIGITAL SENSORS/ADVANCED IMAGE PROCESSING**

- > Real-time image enhancement on all sensors simultaneously
  - High-performance haze penetration
  - Improved feature recognition and ID
  - Automatic video tracker
  - 2x, 4x Ezoom



#### **PRODUCT HIGHLIGHTS:**

- > Complete ISR and targeting capability
- > Superior range performance
- > STANAG-compliant laser designator
- > WESCAM MX-Series advanced image processing and steering functions
- > Fully ruggedized with internal vibration isolation for enhanced reliability
- > Size, weight and power compatible with small tactical UAS

## UNCOMPROMISED DESIGN

- > Fully active WESCAM MX-Series stabilization with internal vibration isolation for best-in-class image stability
- > Precision optics support target detection, recognition and identification

## RUGGED DESIGN

- > MilSpec environmental and EMC qualification
- > Built-in vibration isolator protects internal payload components
- > Rugged aerospace grade cast aluminium structure
- > Completely sealed against the environment
- > Rigorous environmental stress screening programs used
- > Designed to minimize maintenance requirements and simplify repair

## HIGH-PERFORMANCE IMU & MX-GEO SOFTWARE SUITE

- > IMU mounted on the optical bench
- > IMU and MX-GEO for accurate target location
- > MX-GEO automatically aligns to aircraft
- > Robust automatic image focus



## WESCAM MX-8D

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