# Wescam MX™-25D.
FULLY DIGITAL. HIGH DEFINITION.

## Features and Benefits
- Multi-sensor Imaging/Lasing Payload Options
- High-Performance Gimbal
- Advanced Image Processing
- Interface Flexibility
- Ruggedness
- Simplified Aircraft Integration

## Payload Specifications

<table>
<thead>
<tr>
<th>Sensor #1 - HD Thermal Imager:</th>
<th>Type: 3-5μm staring array</th>
<th>Resolution: 1280 x 1024 Pixels</th>
<th>Fields-of-View: 21.7° to 0.58° - 720p &amp; 1080p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor #2 - HD Daylight Continuous Zoom:</td>
<td>Type: 2 Megapixel color</td>
<td>Fields-of-View: 31.2° to 1.2° - 720p, 31.2° to 1.8° - 1080p</td>
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<tr>
<td>Sensor #3 - Low-Light Continuous Zoom: (Requires Sensor #2)</td>
<td>Type: Electron Multiple CCD (Mono)</td>
<td>Fields-of-View: 40.8° to 2.4°</td>
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<tr>
<td>Sensor Options for Spotter</td>
<td>Sensor #4 - HD Daylight Spotter:</td>
<td>Type: 2 Megapixel Color or Mono</td>
<td>Fields-of-View: Matched to daylight</td>
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<tr>
<td>Sensor #5a - HD Low-Light Spotter: (Requires Sensor #2)</td>
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<tr>
<td>Sensor #5b - HD SWIR Spotter: (Requires Sensor #2)</td>
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<tr>
<td>Sensor #6 - Laser Illuminator (LI):</td>
<td>Wavelength: 860nm</td>
<td>Beam Divergence: Wide, Narrow or Ultra Narrow</td>
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<tr>
<td>Notes: All FOVs are for digital outputs. Consult factory for FOVs for analog outputs.</td>
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</table>

## Turret Specifications
- Stabilization and Steering: 5 Axis + 6 DoF Isolator
  - Azimuth Range: Continuous 360°
  - Elevation Range: +90° to -120°

## System Specifications
- Wescam MX-25D Turret: <215 lbs / 97.5 Kg (all sensors), 21.1”(D) x 26.5”(H), 535.9mm (D) x 673mm (H)
- Power: MIL-STD-704E, 320W (Avg.); 1000W (Max.)

L3Harris.com
The WESCAM MX-25D is an advanced, industry-leading stabilized multi-sensor, multi-spectral imaging and targeting system that is renowned for high performance, operator ease-of-use, and reliability. It’s ideal for a wide range of missions, including medium altitude covert intelligence, surveillance, and reconnaissance, armed reconnaissance, search and rescue, and target designation. The system provides imagers for optimal performance in a wide range of conditions; bright sunlight, overcast/dusk, smoke, and complete darkness. That is supported by a suite of advanced image processing algorithms for noise reduction, sharpening, and local area contrast enhancement that aid feature recognition. Superior stabilization is the key to achieving the maximum target detection, recognition, and identification range performance from the imagers. The WESCAM MX-25D achieves this with a hybrid active and passive jitter suppression system. This proven architecture stabilizes all devices on the optical bench equally, including the laser target designator for precision engagement. In addition, stable and accurate target geolocation ensures that the crosshairs stay on a stationary target, regardless of changes to aircraft position, attitude, and heading. This significantly reduces the operator burden in keeping eyes on target. Advanced processing features such as object tracking, image blending, and moving target indication further serve to automate the search and tracking process, allowing the operator to focus on the target versus the equipment.

To ensure that the WESCAM MX-25D is fit for the mission, it is fully qualified to MIL-STD-810 for environmental withstanding, MILSTD-461 for electromagnetic compatibility, and MIL-STD-704 for power quality.

**VIDEO INTERFACES**
- Built-in video switch matrix
- 5 independent HD-SDI output channels available
- 5 analog video (NTSC or PAL) output channels available

**DATA INTERFACES**
- **Interface Types:** RS-232/422, Ethernet, MIL-STD-1553B, ARINC 429
- **Functional Interfaces:** Aircraft GPS/INS, Remote Control, Moving Map, Microwave / Data Link, Searchlight, Radar, Metadata / Status
- **HMI Options:** Moving Map, Mission Console

Compatible with WESCAM Microwave Communications Equipment.