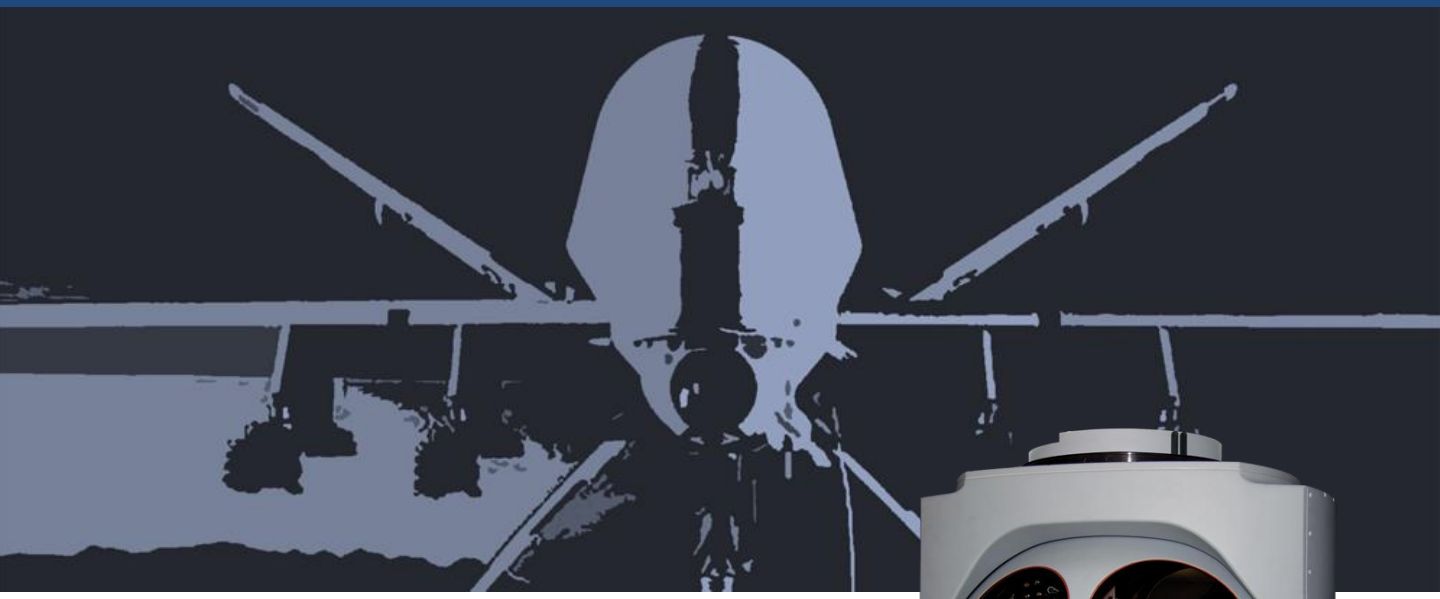
DEFENSE & SECURITY



L3HARRIS™
FAST. FORWARD.

WESCAM MX™ - 25
FULLY DIGITAL / HIGH DEFINITION

The WESCAM MX-25 is an advanced, industry-leading stabilized multi-sensor, multi-spectral imaging system that is renowned for high performance, operator ease-of-use, and reliability. It's ideal for a wide range of missions, including high altitude covert intelligence, surveillance, and reconnaissance, armed reconnaissance, combat search and rescue.

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.

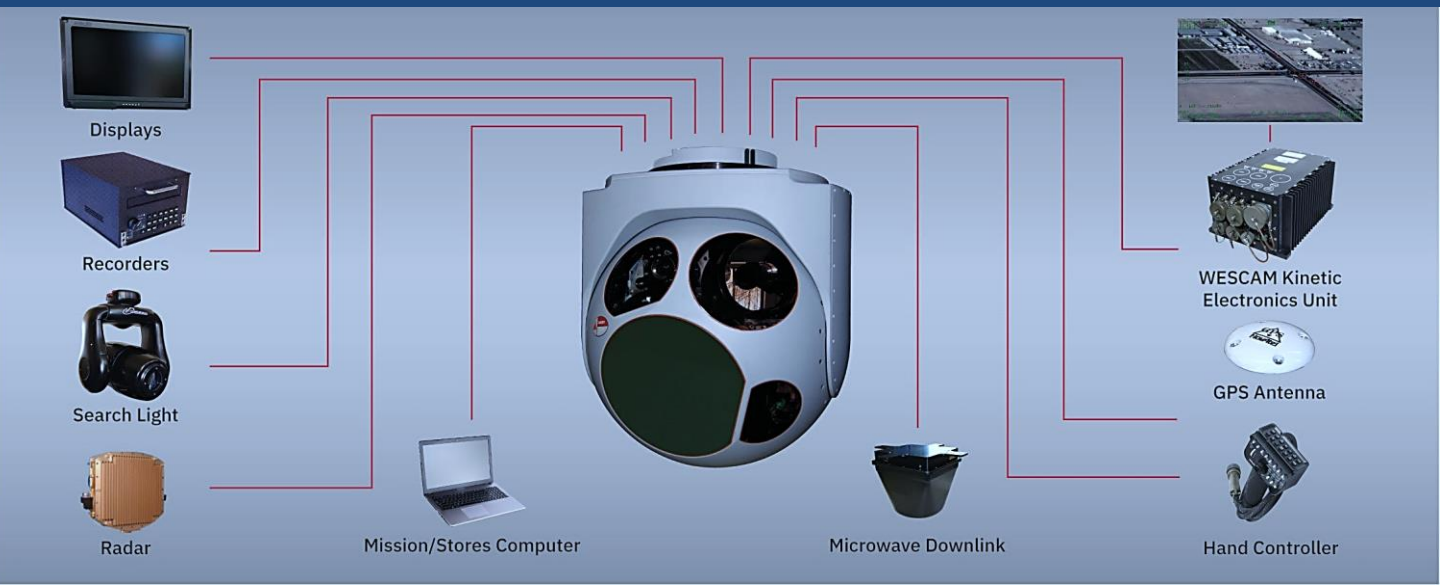
Superior stabilization is the key to achieving the maximum target detection, recognition, and identification range performance from the imagers.

The WESCAM MX-25 achieves this with a hybrid active and passive jitter suppression system. This proven architecture stabilizes all devices on the optical bench equally.

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. Advances 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-25 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.



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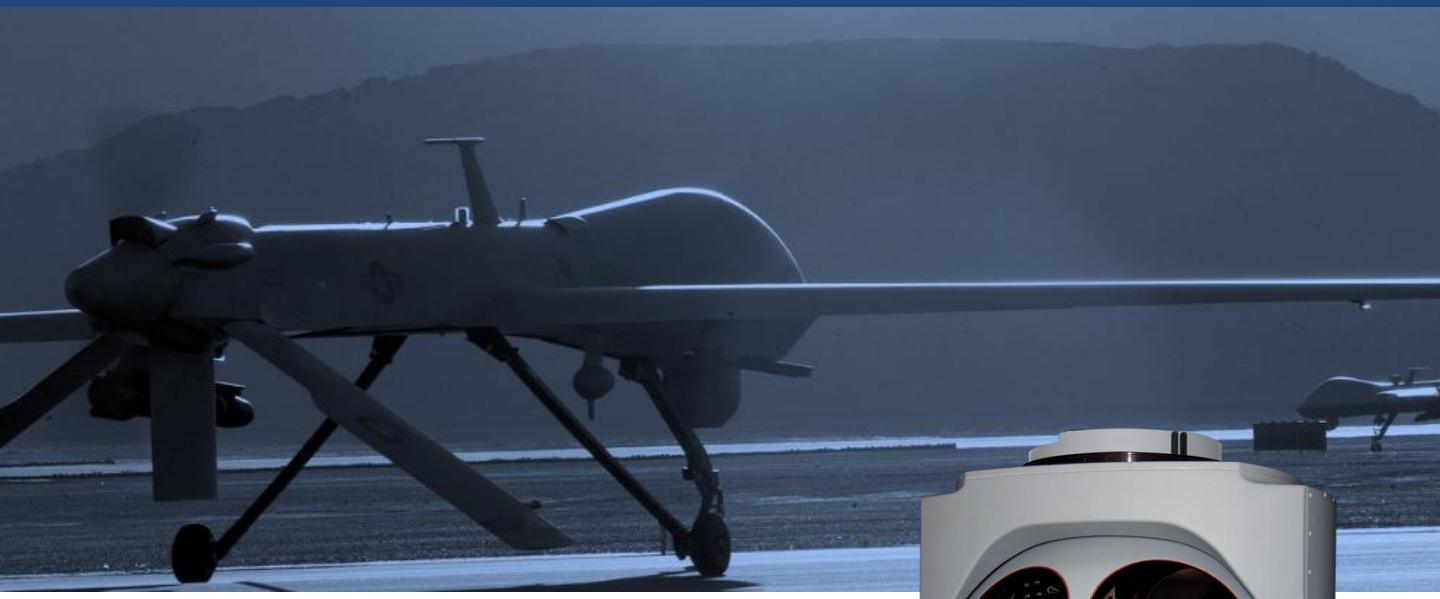
PAYLOAD SPECIFICATIONS

Sensor #1 - HD Thermal Imager:	
Type:	3-5µm staring array
Resolution:	1280 x 1024 Pixels
Fields-of-View:	21.7° to 0.58° - 720p & 1080p
Sensor #2 - HD Daylight Continuous Zoom:	
Type:	2 Megapixel color HD
Fields-of-View:	31.2° to 1.2° - 720p, 31.2° to 1.8° - 1080p
Sensor #3 - Low-Light Continuous Zoom: (Requires Sensor #2)	
Fields-of-View:	40.8° to 2.4°
Sensor Options for Spotter	
Sensor #4 - HD Daylight Spotter:	
Type:	2 Megapixel Color HD or Mono HD
Fields-of-View:	0.72°, 0.36°, 0.23°, 0.13° - 1.07°, 0.54°, 0.34°, 0.2°- 1080p
Sensor #5a - HD Low-Light Spotter: (Requires Sensor #4)	
Fields-of-View:	Matched to daylight
Sensor #5b - HD SWIR Spotter: (Requires Sensor #4)	
Sensor #6 - Laser Rangefinder (LRF)[1]:	
Wavelength:	1540nm
Rangefinding:	Up to 30km
Sensor #7/8 - Laser Illuminator (LI)[2]:	
Wavelength:	860nm
Beam Divergence:	Wide, Narrow or Ultra Narrow
Notes:	All FOVs are for digital outputs. Consult factory for FOVs for analog outputs.



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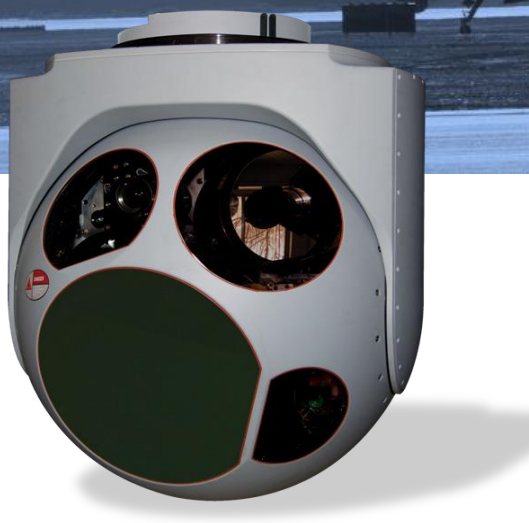

TURRET SPECIFICATIONS	
Stabilization and Steering	(5) Axis + (6) DoF Isolator Azimuth Range: Continuous 360° Elevation Range: +90° to -120°

SYSTEM SPECIFICATIONS	
WESCAM MX-25 Turret	<260 lbs / 118.2 Kg (all sensors), 25.7”(D) x 30.2”(H), 652.7mm (D) x 767mm (H)
Power	MIL-STD-704E, 320W (Avg.); 1000W (Max.)

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.

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FEATURES AND BENEFITS

> Multi-sensor Imaging/Lasing Payload Options

> High-Performance Gimbal

> Advanced Image Processing

> Interface Flexibility

> Ruggedness

> Simplified Aircraft Integration

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