PAYLOAD SPECIFICATIONS

Sensor Options for Thermal Imager (Select #1a or #1b)

**Sensor #1a - Thermal Imager:**
- Type: 3-5μm staring array
- Resolution: 640 x 512 Pixels
- Fields-of-View: 30.0° to 1.8°, Continuous Zoom

**Sensor #1b - HD Thermal Imager:**
- Type: 3-5μm staring array
- Resolution: 1280 x 720 Pixels
- Fields-of-View: 30.2° to 2.8°, Continuous Zoom

**Sensor #2 - HD Daylight Continuous Zoom:**
- Type: CMOS
- Resolution: 1920 x 1080 Pixels
- Fields-of-View: 31.2° to 1.2°

**Sensor #3 - Low-Light Continuous Zoom:**
- Fields-of-View: 40.8° to 2.4°

**Sensor #4 - HD Daylight Spotter:**
- Type: CMOS
- Resolution: 1920 x 1080 Pixels
- Fields-of-View: 0.61°

**Sensor #5 - Laser Rangefinder (LRF):**
- Wavelength: 1.54μm
- Range: 20km max.

**Sensor #6 - Laser Illuminator:**
- Mode: Continuous, Pulsed
- Wavelength: 852nm
- Beam Divergence: Wide or Narrow

Additional WESCAM MX-10 Features:
- IMU: Mounted on optical bench
- AutoTracker: Embedded (option)
- GPS Receiver: Embedded (option)
- Moving Target Indicator: Embedded (option)
- Notes: 2x, 4x Ezoom is available to increase magnification

720p FOVs. Consult factory for 1080p and analog FOVs
All FOVs are horizontal

TURRET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Stabilization and Steering</th>
<th>(4) Axis + (6) DoF Isolator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Azimuth Range: Continuous 360°</td>
<td></td>
</tr>
<tr>
<td>Elevation Range: +90° to -120°</td>
<td></td>
</tr>
</tbody>
</table>

SYSTEM SPECIFICATIONS

<table>
<thead>
<tr>
<th>WESCAM MX-10 Turret</th>
<th>&lt;38 lbs / 17.3 Kg (all sensors), 10.24”(D) x 13.98”(H), 260mm (D) x 355mm (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>MIL-STD-704E, 28 VDC, 10 Amps max., 4 Amp steady state</td>
</tr>
</tbody>
</table>

FEATURES AND BENEFITS

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

L3Harris.com
The WESCAM MX-10 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 low altitude covert intelligence, surveillance, and reconnaissance, 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-10 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.

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-10 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
- 3 independent HD-SDI output channels available
- 4 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.