WESCAM’s MX-RSTA
A Multi-Sensor, Multi-Spectral Imaging System

Ideal for: Reconnaissance, Surveillance, Target Acquisition, Ground Combat and Force Protection missions

Ground Installations: Amphibious, Armored Combat and Reconnaissance Vehicles, including mast-mounted

*The MX-RSTA* is a highly modular system that can be configured based on your mission, desired capability, and budget. Available solutions for Commander Independent Viewers, above-armor Gunner Sighting Systems, fixed/mobile Border Surveillance, and Mobile Reconnaissance applications.

**FEATURES & BENEFITS: MX-RSTA**

**Multi Sensor Imaging/Lasing Payload Options**
- Mid-wave large-format cooled thermal sensor
- Dual-channel EO option, with separate color CMOS and low-light EMCCD cameras
- High Magnification Spotter for long stand-off operation
- Laser rangefinder
- Near IR laser target marker

**Digital Sensors / Advanced Image Processing**
- Real-time image enhancement of all sensors / high performance haze penetration
- Improved feature recognition and ID
- Imaging blending between IR and EO sensors
- Video tracker

**Fully Integrated System for Installation Simplicity**
- Integrated electronics
- Built-in vibration and shock isolation – no external shock isolator
- Optional built-in GPS

**Ruggedness**
- Qualified to US military standards for environmental and electromagnetic compliance
- Ruggedized for both ground and shipboard use
- Reliability assured by accelerated life testing
- Supplementary mud and salt testing

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PAYLOAD SPECIFICATIONS - SELECT UP TO 6 IMAGING & LASER SENSORS

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

Sensor #2 - Daylight Continuous Zoom:
Type: 5 Megapixel Color HD
Fields of View: 36.3° to 1.0°

Sensor #3 - Low Light Continuous Zoom:
Type: Electron-multiplied CCD (Mono)
Resolution: 640x 480
Fields of View: 40.8° to 2.38°

Sensor #4 - Daylight Spotter:
Type: 5 Megapixel Color HD
Fields of View: 0.81° 1080p
0.54° 720p

Sensor #5 - Laser Rangefinder (LRF):
Laser Type: Erbium glass (Class 1), Eyesafe
Wavelength: 1.54µm
Range: 20km max.

Sensor #6a - Laser Illuminator, Narrow:
Laser Type: Diode - (Class 3B)
Modes: Continuous, Pulsed
Wavelength: 852nm

Sensor #6b - Laser Illuminator, Wide:
Laser Type: Diode - (Class 3B)
Modes: Continuous, Pulsed
Wavelength: 852nm

Additional MX-RSTA Features:
AutoTracker: Embedded (option)
GPS Receiver: Embedded (option)

Notes:
- 2x, 4x Ezoom is available to increase magnification
- 720p FOVs. Consult factory for 1080p and analog FOVs
- All FOVs are horizontal

WESCAM MX-RSTA

WESCAM Options

Displays
Recorders
Digital Compass
Radar
Mission Computer

WESCAM has a policy of continuous product improvement. Specifications are therefore subject to change without notice.

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