

WESCAM MX™-15MS ENGINEERED FOR MARITIME ENVIRONMENTS

A Multi-Sensor, Multi-Spectral Imaging System In A Single Line Replaceable Unit (LRU) Configuration

The WESCAM MX-15MS is ideal for shipboard surveillance, low visibility and night navigation, search and rescue missions, maritime interception and identify friend or foe.

MULTI-SENSOR IMAGING/LASING PAYLOAD OPTIONS

- > Supports six payload items simultaneously
- > HD thermal, HD daylight and low-light cameras provide 24/7 imaging
- > Continuous zoom EO
- > High-magnification spotter
- > High-sensitivity color low-light imaging
- > Short-Wave Infrared imaging (SWIR)
- > Eye-safe laser rangefinder (1 Hz), eye-safe burst mode (2 Hz)
- > Laser illuminator¹ in choice of wide or narrow divergence

HIGH-PERFORMANCE GIMBAL

- > 4-axis stabilized turret with internal passive isolator for excellent stabilization performance
- > Sharp optics and excellent stabilization performance results in industry leading target detection, recognition and identification range performance in the 15" class
- > Inertial Measurement Unit mounted to optical bench for high target location accuracy

ADVANCED IMAGE PROCESSING

- > Real-time image enhancement on all sensors
 - High-performance haze penetration
 - Improved feature recognition and ID
 - 2x, 4x Ezoom
 - Advanced video tracker
 - Imaging blending
 - Pseudo-color IR

WESCAM ADVANCED VIDEO ENGINE

- > A high-performing embedded computing engine engineered to support advanced image-processing capabilities
- > Architecture includes a state-of-the-art graphics processing unit
 - enabling future advancements in image processing & surveillance automation



PRODUCT HIGHLIGHTS:

- > Multi-Sensor Imaging / Lasing Payload Options
- > Short-Wave Infrared Imaging
- > Advanced Image Processing Algorithms
- > Superior Range Performance
- > Ruggedized for Maritime Environmental Conditions
- > Simplified Vessel Integration / Interface Flexibility
- > World-Leading Stabilized Gimbal

Image courtesy of Airbus

INTERFACE FLEXIBILITY

- > Built-in video switch matrix provides multiple HD-SDI and analog video outputs
- > 720 p or 1080 p HD video
- > Flexible data ports: RS-232/422, Ethernet
- > All standard WESCAM MX-Series command and control, moving map and radar interfaces

RUGGEDNESS

- > Rugged for shipboard use
- > MilSpec environmental, EMC and power quality qualification, including humidity, salt, fog and water
- > Built-in vibration isolator protects internal payload components
- > Rigorous environmental stress screening
- > Designed to minimize maintenance requirements and simplify repair
- > De-icing capabilities

SIMPLIFIED VESSEL INTEGRATION

- > 125 lb turret
- > Electronics unit
- > Built-in vibration isolation
- > Built-in GPS receiver
- > No calibration required for LRU swapout

WESCAM MX™-15MS



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¹Consult factory for specific environmental and target conditions



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