

# WESCAM MX™-10 MS ENGINEERED FOR MARITIME ENVIRONMENTS

A Small, Multi-Sensor, Multi-Spectral Imaging System in a Single Line Replaceable Unit (LRU) configuration

The WESCAM MX-10 MS is ideal for shipboard maritime surveillance, low visibility and night navigation, search and rescue missions, maritime interception and identify friend or foe.

## **MULTI-SENSOR IMAGING/LASING PAYLOAD OPTIONS**

- > Supports up to six payload items simultaneously
- > HD thermal, HD daylight and low-light cameras provide 24/7 imaging
- > Continuous zoom IR and EO
- > High-magnification spotter
- > High-sensitivity color low-light imaging
- > Short-Wave Infrared (SWIR) imaging
- > Eye-safe laser rangefinder
- > Laser illuminator<sup>1</sup> 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 10" class
- > Inertial Measurement Unit (IMU) 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 (WAVE)**

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



Image courtesy of Austal.



MAST-13 Autonomous Surface Vehicle  
Produced by L3Harris for Dstl (UK)

## INTERFACE FLEXIBILITY

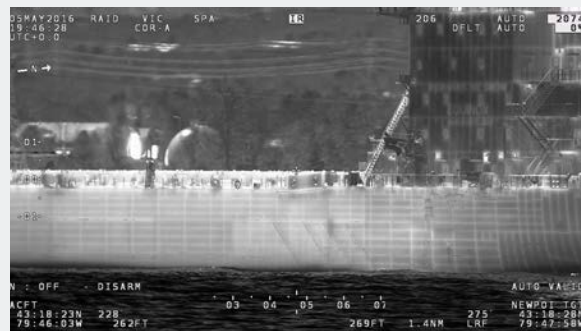
- > Built-in video switch matrix provides multiple HD-SDI and analog video outputs
- > 720p or 1080p HD video
- > Flexible data ports; RS-232/422, Ethernet
- > All standard WESCAM MX-Series command and control, moving map and radar interfaces

## RUGGEDNESS

- > Ruggedized for shipboard use
- > MilSpec environmental, EMC and power quality qualification, including humidity, salt, fog and waterproofness
- > Built-in vibration isolator protects internal payload components
- > Rigorous environmental stress screening (ESS)
- > Designed to minimize maintenance requirements and simplify repair

## SIMPLIFIED VESSEL INTEGRATION

- > 43 lbs turret
- > Electronics unit inside the turret
- > Built-in vibration isolation
- > Built-in GPS receiver
- > No calibration required for LRU swapout



## WESCAM MX-10 MS

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