WESCAM MX™-10MS
ENGINEERED FOR MARITIME ENVIRONMENTS

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

The WESCAM MX-10MS 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 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
> Eye-safe laser rangefinder
> Laser illuminator\(^1\) 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
  - Embedded Moving Target Indication (MTI)
  - 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.
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