

WESCAM MX™-15D RSTA

Advanced multi-sensor, multi-spectral imaging and targeting system for combat, reconnaissance and amphibious vehicles

The WESCAM MX-15D RSTA is a cutting-edge system that excels in long-range reconnaissance, low-visibility and nighttime surveillance, as well as on-the-move target acquisition, designation and identification of friend or foe.

MULTI-SENSOR IMAGING/ LASING PAYLOAD OPTIONS

- > Supports nine 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 (SWIR) imaging
- > Eye-safe laser rangefinder
- > Laser illuminator^{1a,1b} with wide or narrow divergence
- > Laser designator²

HIGH-PERFORMANCE GIMBAL

- > Four-axis stabilized turret with internal passive isolator for excellent stabilization performance
- > Sharp optics and excellent stabilization performance provide industry leading long-range on-the-move target detection, recognition and identification range performance
- > 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-performance 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 and surveillance automation



PRODUCT HIGHLIGHTS

- > Multi-sensor imaging/lasing payload options
- > Short-wave infrared (SWIR) imaging
- > Advanced image processing algorithms
- > Superior range performance
- > Ruggedized for ground combat missions
- > Simplified vehicle integration/interface flexibility
- > World-leading stabilized gimbal



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, weapons system, radar and moving map interfaces

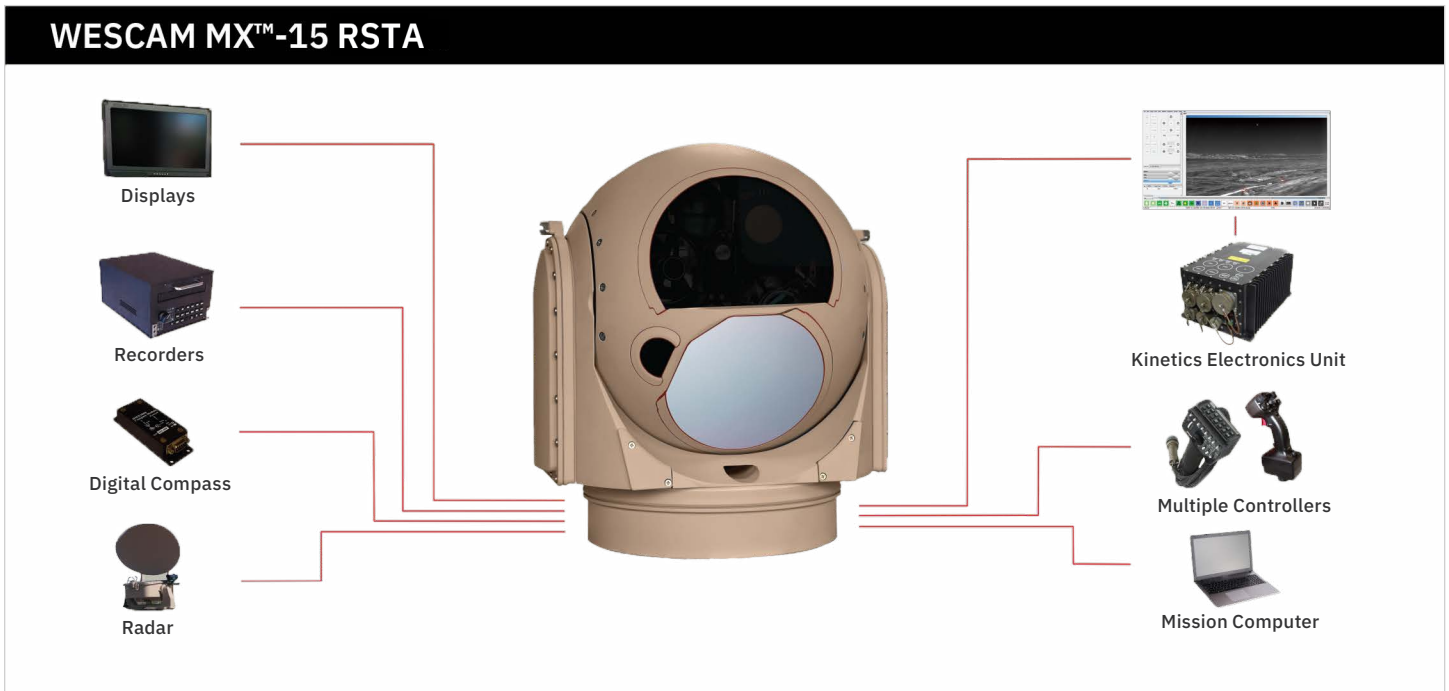
RUGGEDNESS

- > Rugged for ground combat vehicle missions
- > MilSpec environmental, EMC and power quality qualification, including humidity, salt, fog and water ingress
- > Built-in vibration to isolator protects internal payload components
- > Rigorous environmental stress screening
- > Designed to minimize maintenance requirements and simplify repair

SIMPLIFIED VESSEL INTEGRATION

- > 132.2-pound turret
- > Electronics unit built-in
- > Built-in vibration isolation
- > Built-in GPS receiver
- > No calibration required for LRU swapout

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