

M2534 ELECTRO-OPTICAL SENSOR SYSTEM

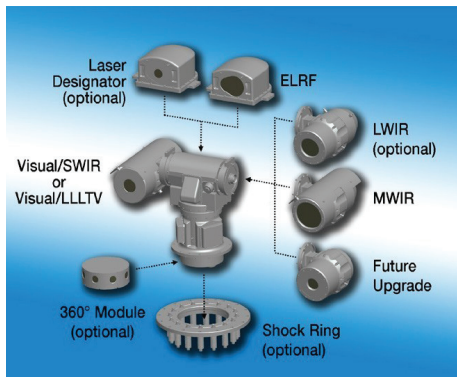
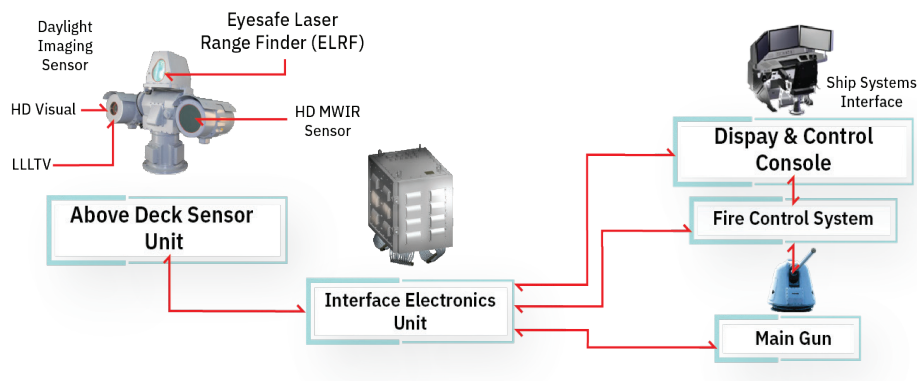
Best suited for both gun weapon system integration and naval surveillance

L3Harris' Electro-Optical Sensor Systems have enabled successful mission execution for over 20 years, possessing unique features and capabilities best suited for both gun weapon system integration and naval surveillance.

M2534 BENEFITS

Our M2534 is platform and weapon system agnostic, designed for integration with customer-selected or L3Harris-built fire control, consoles and ship systems – greatly reducing ship change costs, meeting individual platform shock requirements and improving overall performance. The M2534 leverages L3Harris' expertise to create a next-generation system. The M2534

provides precision munitions guidance, a factor of 10x over other available systems, and supports multiple missions, including anti-surface and anti-air warfare, target detection and identification, naval gunfire support, battle damage assessment, safety check-sight, location/track of man overboard and channel position and navigation.



FEATURES

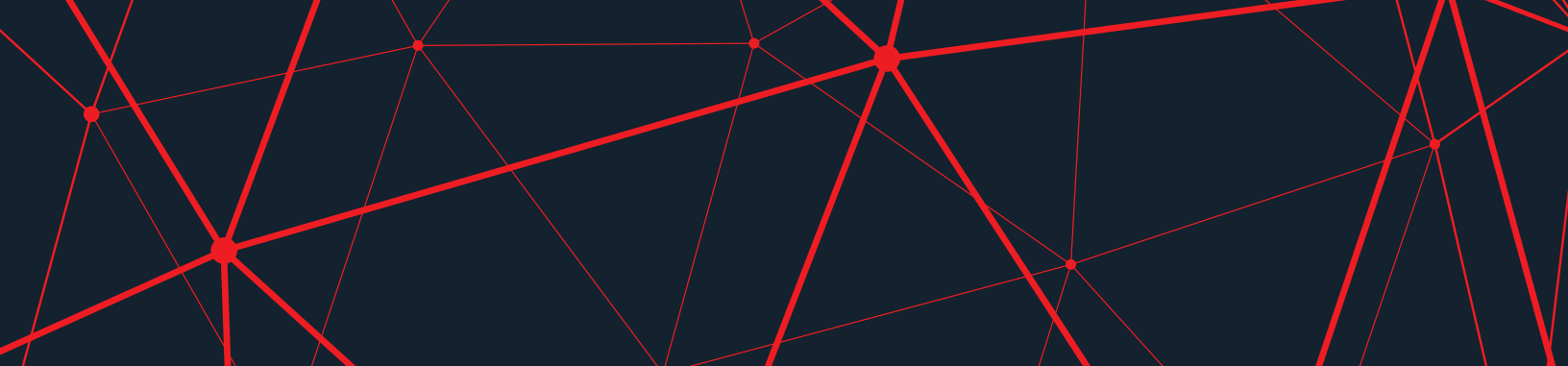
- > Scalable modular open systems architecture (SMOSA)
- > Mission configurable
- > Continuous zoom optics
- > Stabilized director: 2-axis (elevation/azimuth) full-digital stabilization with fiber optic gyros
- > Video processing compression and networking
- > Direct drive bushless DC motors
- > T-Bar design

CAPABILITIES

- > Targeting data synchronized with combat systems
- > Pointing accuracy and angular resolution
- > Range/resolution to clearly identify potential targets
- > High-accuracy stabilization

SPECIFICATIONS

- > MIL-S-901D Grade B
- > MIL-S-901D Grade A (optional)
- > MIL-STD-461F
- > MIL-STD-464
- > MIL-STD-810G
- > MIL-STD167-1A



SPECIFICATIONS

Temperature	-4-149°F (-20-to-65°C)
Humidity	up to 100%
Wind	Full performance up to 75-knot operation
Interfaces	RS-422, RS-485, GIGE over Cat 6, HD-SDI, H.264

ABOVE DECK SENSOR UNIT

Line-of-Sight	360° continuous azimuth, -55-to-85° elevation
Field-of-Regard	-62-to-92° elevation
Acceleration	286°/sec ² azimuth elevation (5 rad/sec ²)
Velocity (slew rate)	171°/sec azimuth/elevation (3 rad/sec)
Position Accuracy	< 0.25 milliradian
Stabilization	2 axis
Weight	220 lb (100 kg)
Size (with sensor modules)	Height 35 in (88.9 cm) Swept diameter 46.6 in (118.36 cm)

KEY IMPROVEMENTS

- > Cost-effective solution
- > 60% lighter than currently fielded systems
- > SMOSA
- > Mission configurable
- > Multi-platform support
- > Continuous zoom optics
- > Wider field-of-view for increased situational awareness
- > Increased resolution (HD-compatible)

MEDIUM WAVE INFRARED MODULE

Field-of-View	26.7-to-1.07° (H)
Resolution	640x480 (1280x720 - Optional)
Spectral Response	3-to-5 μm
Weight	50 lb (22.6 kg)

EYESAFE LASER RANGE FINDER MODULE

Wavelength	1.54 nmi
Range	up to 9.32 mi (15 km)
PRF	1 Hz (4 Hz/10 Hz Optional)
Weight	30 lb (13.7 kg)

LONG WAVE INFRARED MODULE (OPTIONAL)

Field-of-View	20-to-2.2°
Resolution	640x512
Spectral Response	8-to-12 μm
Weight	50 lb (22.6 kg)

LASER DESIGNATOR MODULE (OPTIONAL)

Wavelength	860 nmi
Modes	Continuous, Pulsed
Weight	30 lb (13.7 kg)

360° MODULE (OPTIONAL)

Field-of-View	360°
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VISUAL/LOW LIGHT LEVEL TV

Field-of-View	26.7-to-1.07° (H) 20-to0.8° (SWIR)
Resolution	1920x1080 (V) 640x512 (SWIR)
Weight	50 lb (22.6kg)

VISUAL/SHORT WAVE INFRARED MODULE (OPTIONAL)

Field-of-View	26.7-to-1.07° (H) 20-to0.8° (SWIR)
Resolution	1920x1080 (V) 640x512 (SWIR)
Spectral Response	0.7-to-1.7 μm
Weight	50 lb (22.6kg)

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