



SHIPBOARD HD MULTI-SPECTRAL SURVEILLANCE SYSTEM

SeaFLIR® 280-HD

SeaFLIR 280-HD is a high performance maritime imaging system designed to identify and track smugglers, terrorists, or any other threat – day and night, and on the roughest seas. With all-HD imaging and powerful optics on the thermal imaging payload as well as the daylight and lowlight camera payloads, SeaFLIR 280-HD reveals the details necessary for long-range vessel detection, identification, and threat assessment. It's reliable and ready for real-time, long-range target detection, identification, and tracking at high fidelity for multiple maritime mission scenarios.

Built to MIL-STD-461 and MIL-STD-810, SeaFLIR 280-HD is designed for deployment in ISR, interdiction, EEZ constabulary, maritime SAR, covert OPS, remote weapon control, automatic target/threat detection, man overboard search and track, and disaster support. Multiple NIR and SWIR laser illuminator and pointer options light up targets for personnel with night vision capability. Internal navigation system slaves other systems to targets identified by SeaFLIR 280-HD. Excess processing power allows for seamless future expansion.

FEATURES

HD IMAGING PAYLOADS

HD IR with 20x optical zoom identifies thermal targets at longer ranges. HD daylight/lowlight cameras provide extra visible detail.

ALL-WEATHER, SEA-READY

Designed for 24/7/365 maritime duty, SeaFLIR 280-HD provides long-range target detection, identification, and tracking.

MULTIPLE LASER PAYLOAD OPTIONS

NIR and SWIR laser pointer and illuminator for night vision or SWIR capability. Eye-safe laser rangefinder enables geodetic functions.

INTERNAL NAVIGATION SYSTEM

Determine and disseminate target location coordinates, or slave other systems to targets identified by the imagers.

MISSION FLEXIBILITY

SeaFLIR 280-HD provides long-range mission support for ISR, interdiction, EEZ constabulary, maritime SAR, covert OPS, remote weapon control, automatic target/threat detection, man overboard search and track, and disaster recovery.

APPLICATIONS

RECONNAISSANCE

SURVEILLANCE

MILITARY POLICE SECURITY

FORWARD OBSERVATION

FORCE PROTECTION

SPECIFICATIONS

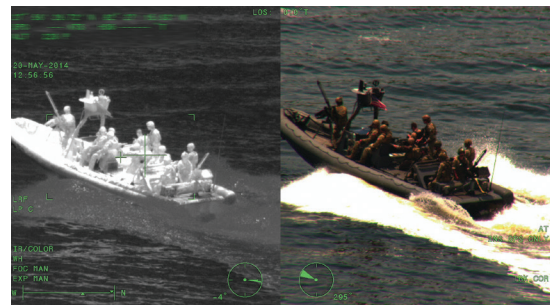
Thermal Imager	
Sensor type	1280x720 InSb FPA (640 x 480 optional)
Wavelength	3-5 μ m
FOVs	Optical: 40°-2° continuous 4X E-Zoom: 0.5°
Daylight Camera	
Sensor type	1920x1080 CCD
FOVs	Optical: 54.4° to 1.5° 3X E-Zoom: 0.5°
Low Light Camera	
Sensor type	1280x720 sCMOS
FOVs	Optical: 52.1° to 1.4° 3X E-Zoom: 0.5°
Spotter Scope (Option)	
Sensor type	1920x1080 CCD or 640x480 SWIR
FOVs	CCD: 29.9°, 4.83°, 0.92°, 0.51° (0.25° w/2X E-Zoom) SWIR: 32.8°, 5.32°, 1.01°, 0.56° (0.28° w/2X E-Zoom)
Laser Payloads	
Rangefinder	Max Range: 30 km Classification: Class 1 or Class 1M (10 Hz)
Illuminator (Option)	Power: 1 W or 2 W – NIR or SWIR Classification: Class 4
Pointer (Option)	Power: 150 mW Classification: Class 3b
System Performance	
System type	Gyro stabilized TFU w/ seperate CEU
Az. coverage	360°
System Interfaces	
Digital video	SMPTE 292M/HDMI
Analog video	NTSC/PAL
Control	RS-232, RS-422
Data	RS-232, RS-422
Environmental	
Standards	MIL-STD-810, MIL-STD-461
Operating temperature	-40°C to 55°C
Power Requirements	
Voltage	24VDC
Consumption 2	240 W Typical, 350 W Max
Anti-Ice	Additional 360 W

Dimensions & Weight

TFU size	14"(d) x 16"(h) cylindrical volume
TFU weight	<55 lbs
CEU size	12.0 w x 12.0 d x 5.5 h
CEU weight	<19 lb

Other Options & Accessories

Displays & Recorders, 3rd Party Video Processing



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The World's Sixth Sense®