FLIR®

SeaFLIR® 380-HD

The SeaFLIR 380-HD provides superior image stabilization, ultra-long range image performance, and true metadata embedded in the digital video. The full HD system is easy to integrate, operating simply as a node on a network and requiring no additional junction boxes. Fully seaworthy and hardened for military vessels, it can operate continuously in all conditions, even when there is no airflow. HD thermal and color imagery in all light conditions provide clear situational awareness 24/7.

Built to MIL-STD-461F, MIL-STD-810G and DO160F standards, SeaFLIR 380-HD is designed for deployment in ISR, EEZ enforcement, maritime SAR, force protection and counter piracy. Optional SWIR payload delivers clear visibility through the marine layer. Multiple laser payloads covertly light up wide areas, point out distant targets to other forces and determine target distance and location. As the world's first full-HD system of its kind, SeaFLIR 380-HD has been battle-tested by forces around the world.

FEATURES

SINGLE LRU HD MULTI-SENSOR
With all-digital, full-HD imaging in a single LRU, it is easy to install and integrate-no junction boxes required.

FULL DIGITAL IMAGE BLENDING
The system combines HD IR with color or SWIR imagery for full spectrum awareness.

DETECT AND TRACK MARITIME TARGETS
120X magnification extends detection range. Laser payloads covertly illuminate and point out targets and determine distance and location.

ALL-WEATHER, SEA-READY
Designed for the maritime environment with seals to prevent water intrusion and provisions for heating and de-icing.

SWIR SENSOR OPTION
Add the optional SWIR imager for better visibility in the maritime environment, where degradation from the marine layer is common.

APPLICATIONS

RECONNAISSANCE

SURVEILLANCE

NAVAL SURFACE WARFARE

FORCE PROTECTION

COUNTER PIRACY/NARCOTICS

SPECIFICATIONS

THERMAL IMAGER

Sensor type	1280 x 720 InSb MWIR FPA (standard) 640 x 512 InSb MWIR FPA (optional)
Resolution	720/1080 HD and NTSC/PAL
Wavelength	3-5 µm response
FOVs	40° to 0.35° (with standard FPA)
Zoom ratio	120x

COLOR HIGH DEFINITION CAMERA (OPTIONAL)

Sensor type	Color CCD, Progressive scan
Resolution	720/1080 HD and NTSC/PAL
FOVs	30° to 0.25°
Zoom ratio	120x

COLOR LOW LIGHT HIGH DEFINITION CAMERA (OPTIONAL)

Sensor type	Color NIR CCD, Progressive Scan
Resolution	720/1080 HD and NTSC/PAL
FOVs	50° to 2.2°

SWIR SHORT WAVE IR CAMERA (OPTIONAL)

Sensor type	InGaAs
Resolution	720/1080 HD and NTSC/PAL
FOVs	33° to 0.28°

LASER PAYLOADS (OPTIONAL)

Rangefinder	Up to 30 km, Class 1 (eyesafe), Class 1M over 2Hz
Illuminator	1 W or 2 W, Class 4
Pointer	150 mW (Class 3b) or 650 mW (Class 4)

SYSTEM PERFORMANCE

System type	4-axis stabilization
Az. coverage	360° continuous
El. coverage	+30° to -120°
Envelope	405 KIAS, 0-50,000 ft

SYSTEM INTERFACES

Digital video	SMPTE 292M; MISB 2016.1; STANAG 4609
Analog video	NTSC/PAL
Data and Control	RS-422, ARINC 429, MIL-STD-1553B, Ethernet
Metadata	MISP ST0601, 0902, 9716; STANAG 4609; SMPTE 291M/RP214

ENVIRONMENTAL

Standards	MIL-STD-810G, MIL-STD-461F
Operating temperature	-40°C to 55°C

POWER REQUIREMENTS

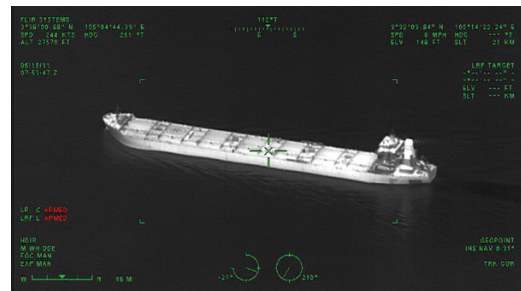|	
Voltage	22-29 VDC (per MIL-STD-704F)
Consumption (Steady State)	280 W typ., (336 W max)

DIMENSIONS, WEIGHT & MOUNTING

Single LRU	15.0" x 18.7" (380)mm x 475 mm
TFU Weight	115 lbs Max
Mounting	Compatible with existing SAFIRE installations

OTHER OPTIONS & ACCESSORIES

Navigation/Radar Interfaces, Quick-Disconnect Mounts, High Resolution Displays and Recorders, Moving Map Systems, High-Defination Downlinks, Moving Target Indicator (MTI)

EXPORT

◆FLIR® | The World's Sixth Sense®