



LONG-RANGE HD MULTI-SPECTRAL SURVEILLANCE SYSTEM

TacFLIR® 380-HD

The TacFLIR® 380-HD is a state-of-the-art ISTAR sensor designed for land vehicle applications. Identical to airborne and maritime versions of the Star SAFIRE 380-HD, TacFLIR 380-HD goes further with other sealings and shock mounts for land vehicle environments. Payloads include a MWIR camera with a native 1280 x 720 resolution, HD CCD cameras, HD SWIR camera, a laser rangefinder, and a laser pointer. 6-axis stabilization gives the TacFLIR 380-HD unmatched geolock and target tracking capabilities.

Built to MIL-STD-461F and MIL-STD-810E standards, TacFLIR 380-HD is designed for deployment in border surveillance, force protection, IED detection, RECCE vehicle, and target acquisition. Optional SWIR payload delivers clear visibility through fog. Multiple laser payloads covertly light up wide areas, point out distant targets to other forces, and determine target distance and location. Digital video channels with symbology overlays comply with all government HD standards, and 120x zoom ratio extends detection range to the horizon without sacrificing wide FOV situational awareness.

FEATURES

SINGLE LRU SYSTEM

The only all-digital, HD system in a single LRU for ease of installation and integration—no junction boxes required.

FULL DIGITAL IMAGE BLENDING

The system combines important HD IR, color, or SWIR spectral information for enhanced results—essential in single video channel downlinks.

UP TO 7 SIMULTANEOUS PAYLOADS

1280 x 720 MWIR resolution, HD CCD camera, HD SWIR, laser rangefinder and laser pointer plus more options.

6-AXIS STABILITY

Patented electro-mechanical design keeps payloads stable for clear viewing regardless of bumpy terrain and vehicle maneuvering.

120X ZOOM AND 360° VISIBILITY

Maintain constant watch over your area and use high-magnification optics to extend detection range without sacrificing wide FOV situational awareness.

APPLICATIONS

BORDER SURVEILLANCE

FORCE PROTECTION

ROUTE CLEARING - IED DETECTION

RECCE VEHICLE

TARGET ACQUISITION

SPECIFICATIONS

THERMAL IMAGER

Sensor type	640 x 512 InSb MWIR FPA, HD IR option: 1280 x 720 HD MWIR
Wavelength	3-5 μ m response
FOVs	30° to 0.25°
Zoom	ratio 120x

COLOR HIGH DEFINITION CAMERA

Sensor type	Color CCD, Progressive scan
Resolution	720/1080 HD and NTSC/PAL
FOVs	29° 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	55° to 1.5°

SWIR SHORT WAVE IR CAMERA (OPTIONAL)

Sensor type	InGaAs; extended NIR sensitivity optional
Resolution	720/1080 HD and NTSC/PAL
FOVs	28° to 0.25°

LASER PAYLOADS (OPTIONAL)

Rangefinder	Up to 20 km, Class 1 (eyesafe)
Pointer	100 mW, Class 3b

SYSTEM PERFORMANCE

System type	4 axis stabilization
Az. coverage	360° continuous
EI. coverage	+30° to -120°

SYSTEM INTERFACES

Digital video	SMPTE 292M/424M
Analog video	NTSC/PAL
Data and Control	RS-232, RS-422, ARINC 419/429, MIL-STD-1553B, Ethernet
Metadata	MISP compliant STD9716 & STD0902.1, STANAG 4609, SMPTE 291M/RP214

ENVIRONMENTAL

Standards	MIL-STD-810E and MIL-STD-461F
Operating temperature	-40°C to 55°C

POWER REQUIREMENTS

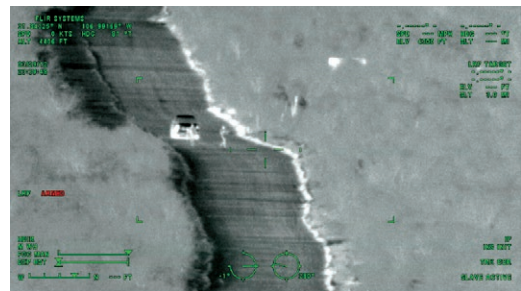
Voltage	22-29 VDC (per MIL-STD-704E)
Consumption	280 W (350 W max)

DIMENSIONS, WEIGHT & MOUNTING

Single LRU	15.0" x 18.5" (380 mm x 475 mm)
TFU Weight	<99 lbs (<45 kg)
Mounting	Compatible with existing SAFIRE installations

other OPTIONS & accessories

Navigation/Radar Interfaces, Quick-Disconnect Mounts, High Resolution Displays and Recorders, Moving Map Systems, Reg. US Patent 7,474,451 and 7,264,220, other patents pending



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The World's Sixth Sense™