



LONG-RANGE HD MULTI-SPECTRAL SURVEILLANCE SYSTEM

TacFLIR® 380-HD

The TacFLIR 380-HD is a state-of-the-art ISRT sensor designed for land vehicle applications. TacFLIR 380-HD provides superior image stabilization and long range performance in a robust package designed to withstand the shock, dust and temperatures of vehicle operations. The full HD system is easy to integrate, operating simply as a node on a network and requiring no additional junction boxes. Payloads include a HD MWIR camera, HD EO cameras, SWIR camera, a laser rangefinder and a laser pointer. 4 axis stabilization gives the TacFLIR 380-HD unmatched geolocating and target tracking capabilities.

Built to MIL-STD-461F, MIL-STD-810G and DO160F standards, TacFLIR 380-HD is designed for deployment in border surveillance, force protection, IED detection and counter insurgency operations. Optional SWIR payload delivers clear visibility through fog and smoke. Multiple laser payloads covertly light up wide areas, point out distant targets to other forces and determine target distance and location. Deployed by forces around the world, TacFLIR 380-HD is the battle-tested choice for land missions.

FEATURES

SINGLE LRU SYSTEM

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

With 120X zoom and 360° visibility, maintain constant watch over your area and use high-magnification optics extends detection range.

ALL-WEATHER, ALL TERRAIN

Designed for extreme environments with seals to prevent water intrusion and ruggedized gimbal design to survive all applications.

APPLICATIONS

BORDER SURVEILLANCE

FORCE PROTECTION

ROUTE CLEARING - IED DETECTION

RECCE VEHICLE

TARGET ACQUISITION

SPECIFICATIONS

THERMAL IMAGER

Sensor type	1280 x 720 InSb MWIR FPA (standard) 640 x 512 InSb MWIR FPA (optional)
Resolution	720/1080p HD and NTSC/PAL
Wavelength	3-5 µm response
FOVs	40° to 0.35° (with standard FPA)
Zoom	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 ro 2 W, Class 4
Pointer	100 mW, Class 3b

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/JP214

ENVIRONMENTAL

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

POWER REQUIREMENTS

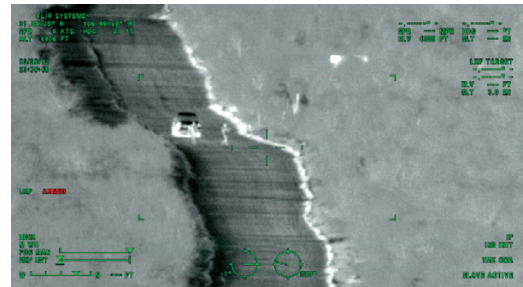
Voltage	22-29 VDC (per MIL-STD-704F)
Consumption	280 W typ., (336 W max)

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-Definition Downlinks, Moving Target Indicator (MTI)



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