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: 720/1088 HD and NTSC/PAL

FOVs: 30° to 0.25

Zoom ratio: 120x

COLOR LOW DEFINITIONカメラ (オプション的)

Sensor type: Color NIR CCD, Progressive Scan

Resolution: 720/1088 HD and NTSC/PAL

FOVs: 50° to 2.2°

SWIR SHORT WAVE IR CAMERA (OPTIONAL)

Sensor type: InGaAs

Resolution: 720/1088 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 to 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; 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


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)