TacFLIR® 280-HD is a high-performance land-based imaging system designed to identify and track smugglers, terrorists, or any other threat – day and night, and in the toughest terrain. Tailored for mobile deployment with high-definition imaging and powerful optics, TacFLIR 280-HD reveals the details necessary for long-range vehicle detection, identification, and threat assessment. In fact, the long-range performance allows operators longer standoff to detect and identify targets.

Optimized for vehicle operations, gyro-stabilized TacFLIR 280-HD provides crisp, stable imagery through total darkness and smoke while on the move. Qualified and rugged, it’s built to MIL-STD-461 and MIL-STD-810. Customize payload with multiple options, including CCD or SWIR spotter scope, laser illuminator, and laser pointer. Internal navigation system and laser rangefinder provide accurate target location coordinates to pinpoint areas of interest and support precision tracking solutions for all sensors.

**FEATURES**

**HD EXTENDED RANGE THERMAL IMAGING**
720 InSb IR focal plane array detects and identifies targets at longer standoff and with higher resolution. 640 also available.

**CONTINUOUS ZOOM DAY/LOW-LIGHT CAMERA**
HD sensors with 20x continuous zoom and 120x total magnification produce vivid colors and superior night visibility.

**EYESAFE LASER RANGEFINDER**
Accurately determine range to target and geo-location for fire control calculations. Optional NIR and SWIR laser pointer and illuminator available.

**INTERNAL NAVIGATION SYSTEM**
Embedded INS determines and disseminates accurate target location coordinates.

**TAILORED FOR MOBILE APPLICATIONS**
Rugged and gyro-stabilized to provide crisp imagery even while on the move, TacFLIR 280-HD detects and assesses threats a full 360° area.

**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 μm
- FOVs: Optical: 40°-2° continuous
- Daylight Camera
  - Sensor type: 1920x1080 CCD
  - FOVs: Optical: 54.4° to 1.5°
- Low Light Camera
  - Sensor type: 1280x720 sCMOS
  - FOVs: Optical: 52.1° to 1.4°
- 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
  - Illuminator (Option): Power: 1 W or 2 W – NIR or SWIR
  - Pointer (Option): Power: 150 mW
- System Performance
  - System type: Gyro stabilized TFU w/ separate 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: 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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NASDAQ: FLIR

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