TacFLIR® 380-HD

SINGLE LRU EO/IR IMAGING SYSTEM
FULL SPECTRUM IMAGING
VIDEO METADATA

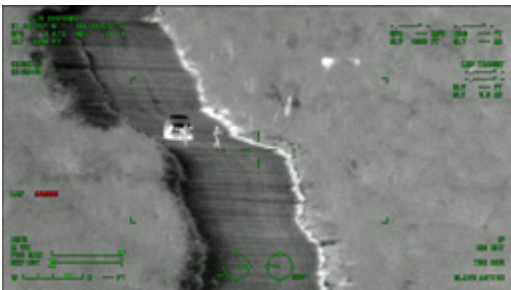## APPLICATIONS

BORDER SURVEILLANCE

FORCE PROTECTION

ROUTE CLEARING - IED DETECTION

RECCE VEHICLE

TARGET ACQUISITION

FEATURES

FEATURES	BENEFITS
Single LRU System	The only all-digital system in a single LRU for ease of installation and integration; no junction boxes required
Full digital performance	Digital video channels with symbology overlays comply with all government HD standards
4 axis stability	Patented electro-mechanical design keeps payloads stable for clear viewing regardless of bumpy terrain and vehicle maneuvering
120x zoom ratio	High-magnification optics extend detection range to the horizon without sacrificing wide FOV situational awareness
360° field of regard	Maintain constant overwatch of troops and vehicles in your area
Multiple laser payloads	Point out distant targets to other forces, and determine target distance and location
Commercially developed, MIL qualified	All-weather design is qualified to the most demanding requirements of MIL-STD-810 and 461

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TacFLIR® 380-HD

THERMAL IMAGER

Sensor type	640 x 512 InSb MWIR FPA, HD IR option: 1280 x 720 HD MWIR
Wavelength	3-5 μm 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
El. 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

DANGER
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DANGER

STACE™
Digital Image Enhancement

GEOLOCK™

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