

TacFLIR® 380-HD

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



APPLICATIONS

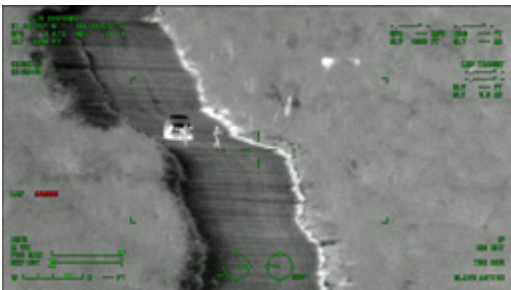
BORDER SURVEILLANCE
FORCE PROTECTION
ROUTE CLEARING - IED DETECTION
RECCE VEHICLE
TARGET ACQUISITION

FEATURES

Single LRU System
Full digital performance
4 axis stability
120x zoom ratio
360° field of regard
Multiple laser payloads
Commercially developed,
MIL qualified

BENEFITS

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





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	SMPTTE 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, SMPTTE 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

CORPORATE HEADQUARTERS

FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
PH: +1.800.727.3547

WASHINGTON, D.C.

FLIR Systems, Inc.
2800 Crystal Drive, Suite 330
Arlington, VA 22202 USA
PH: +1.703.416.6666

ALPHARETTA

FLIR Systems, Inc.
5940 Cabot Parkway, Suite 100
Alpharetta, GA 30005 USA
PH: 1.800.762.4796

BOSTON

FLIR Systems, Inc.
25 Esquire Road
North Billerica, MA 01862
PH: +1.800.464.6372

HUNTSVILLE

FLIR Systems, Inc.
Huntsville, AL USA
PH: +1.256.325.3547

PITTSBURGH

FLIR Systems, Inc.
Freeport, PA USA
PH: +1.724.295.2880

STILLWATER

FLIR Systems, Inc.
1024 S. Innovation Way
Stillwater, OK 74074 USA
PH: +1.405.372.9535

EUROPE

FLIR Systems, Ltd.
West Malling, Kent
United Kingdom
PH: +44.1732.220011

CANADA

FLIR Systems, Ltd.
Burlington, ON
Canada
PH: +1.800.613.0507

FLIR Systems, Ltd.
3440 Francis-Hughes, Suite 120
Laval, QC H7L 5A9
Canada
PH: +1.450.663.4554

SWEDEN

FLIR Systems AB
Täby, Sweden
PH: +46.8.753.2500

MIDDLE EAST

FLIR Systems Middle East, FZCO
Dubai Airport Free Zone
PH: +9714.299.6898

www.flir.com



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