

TacFLIR™ III

POWERFUL LONG RANGE STABILIZED
MULTI-SENSOR IMAGER WITH
TARGET GEO-POSITIONING



TacFLIR system on the Remotec TAGGS Unmanned Land Vehicle

APPLICATIONS

- RECC, SURV AND TARG ACQ. (RSTA)
- GROUND MOBILITY
- COMMANDER'S VIEWER
- UNMANNED GROUND VEHICLES (UGV)
- VEHICLE SITUATION AWARENESS
- IED/MINE DETECTION

FEATURES

- Mid or large format mid-wave IR with up to 450 mm of continuous zoom
- Daylight/low light TV with 40x zoom
- Precision target geo-positioning
- Gyro-stabilization
- Multi-mode auto tracker
- Laser pointer
- Rugged design exceeding Mil-standards
- Built-in-Test (BIT)
- Flexible integration capability

BENEFITS

- Powerful, mid wave thermal imaging delivers crisp imagery through total darkness and most obscurants with detection beyond 10 km
- Maximizes standoff range and target acquisition during daytime surveillance missions; the low light camera extends operation into dawn or dusk and can resolve the laser pointer
- Eye safe Laser Rangefinder works in conjunction with GPS/INS/IMU/DMC to calculate target lat/long, elevation, range, and bearing
- Provides stable imagery by compensating for vehicle movement and vibration, critical for long range imaging
- Allows operator to "lock on to" targets and reduces fatigue – critical for long missions
- Optional laser pinpoints targets for observers using night vision equipment, but is invisible to others
- Engineered to withstand the harsh conditions of all military environments
- TacFLIR III incorporates a comprehensive BIT which confirms operation of critical functions and performs fault isolation to simplify logistics
- TAC FLIR III can communicate with a variety of Command and Control systems, GPS /INS/IMU devices, radar, moving map, and searchlight systems for improved mission effectiveness
- Support of both output types maximizes compatibility with platform monitors and recording devices; digital capability optimizes video resolution and provides greater data transmission/manipulation flexibility

Digital and analog video outputs



TacFLIR provides crisp stable imagery through total darkness, fog, smoke, and most battlefiled obscurants



TacFLIR™ III

THERMAL IMAGER

Detector type	Indium Antimonide focal plane array
Wavelength	3.4 - 5.1 microns
Image resolution	320 h x 240 v or 640 h x 480 v

DAYLIGHT CCD TV

Format*	NTSC and PAL
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EYE SAFE LASER RANGEFINDER (OPTIONAL)

Laser	Erbium-glass 1.54 m
Maximum range	20 km

LASER POINTER (OPTIONAL)

Nominal wavelength	830 nm
Specification	Class IIIb per IEC 60825 & U.S. 21 CFR Part 1040
Beam divergence	0.6 mrad

STABILIZED GIMBAL ASSEMBLY (SGA)

Size	22.9 x 35.0 cm (9" d x 13.8" h)
Weight	14.5 kg (32 lb.)
Stabilization type	2-axis fiber optic gyros
Field of regard	360° AZ, 360° EL continuous
Slew rate	0° to 140°/sec

CONTROL ELECTRONICS UNIT (CEU)

Size	25.1 x 15.2 x 26.9 cm (9.9" x 6.0" x 10.6")
Weight	5.9 kg (13 lb.) sealed
Communication interface	RS 232/422
Power	18VDC-32VDC

CONTROL UNIT OPTIONS

FLIR offers a variety of control options for TacFLIR systems. Please contact a FLIR Systems representative for more information.



* Please contact FLIR Systems for information on daylight camera options.

CORPORATE HEADQUARTERS

FLIR Systems, Inc.
27700A SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 800.727.3547

BOSTON

FLIR Systems, Inc.
25 Esquire Road
North Billerica, MA 01862
USA
PH: +1 800.464.6372

HUNTSVILLE

FLIR Systems, Inc.
675 Discovery Drive
Suite 103
Huntsville, AL 35806
USA
PH: +1 256.325.3547

WASHINGTON, D.C.

FLIR Systems, Inc.
2345 Crystal Drive
Suite 300
Arlington, VA 22202
USA
PH: +1 703.416.6666

EUROPE

FLIR Systems Ltd.
2 Kings Hill Avenue
West Malling, Kent
ME19 4AQ
United Kingdom
PH: +44.1732.220011

CANADA

FLIR Systems Ltd.
5230 South Service Road
Suite 125
Burlington, ON L7L 5K2
Canada
PH: +1 800.613.0507

SWEDEN

FLIR Systems AB
Rinkebyvagen 19
P.O. Box 3
SE-182 11 Danderyd
Sweden
PH: +46.8.753.2500

MIDDLE EAST

FLIR Systems Middle East
FZCO
Unit C-13
Dubai Airport Free Zone
P.O. Box 54262
Dubai
United Arab Emirates
PH: +9714.299.6898

www.flir.com/GS