

# TacFLIR™ II

POWERFUL LONG RANGE MULTI-SENSOR IMAGER



*TacFLIR II 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 format mid-wave IR with up to 450 mm of continuous zoom
- Daylight/low light TV with 40x zoom
- Gyro-stabilization
- Multi-mode auto tracker
- Laser pointer
- Extremely rugged design – exceeding Mil-standards
- Flexible integration capability

## BENEFITS

- Powerful thermal imager delivers crisp imagery through total darkness and most obscurants, with detection beyond 10 km
- Maximizes standoff and target acquisition range during daytime surveillance missions; the low light camera extends operation into dawn or dusk and can resolve the laser pointer
- 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 II can communicate with a variety of Command and Control systems, GPS/INS/IMU devices, radar, moving map, and searchlight systems for improved mission effectiveness



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



## TacFLIR™ II

### THERMAL IMAGER

|                                      |  |
|--------------------------------------|--|
| Detector type                        | Indium Antimonide, focal plane array   |
| Wavelength                           | 3.4 - 5.1 microns  |
| Image resolution                     | 320 h x 240 v  |
| Cool down time                       | 6 - 8 min.   |
| Wide FOV                             | 21.7° x 16.4°  |
| Wide FOV (w/1.8x optional extender)  | 12.2° x 9.2°   |
| Medium FOV                           | Continuous zoom  |
| Narrow FOV                           | 2.2° x 1.7°  |
| Narrow FOV (w1.8x optional extender) | 1.2° x 0.9°  |
| Zoom lens focal length               | 25 mm to 250 mm continuous selectable<br>(45 mm - 450 mm w/optional 1.8x extender) |
| F#                                   | 4.0 @ 250 mm (7.4 @ 450 mm w/optional 1.8x extender)                               |

### DAYLIGHT CCD TV

|         |              |
|---------|--------------|
| Format* | NTSC and PAL |
|---------|--------------|

### OPTIONAL LASER POINTER

|                    |  |
|--------------------|--|
| Nominal wavelength | 830 nm   |
| Specification      | Class IIIb per IEC 60825 & U.S. 21 CFR Part 1040 |
| Beam divergence    | 0.6 mrad   |
| Output power       | 30 mW  |

### STABILIZED GIMBAL ASSEMBLY (SGA)

|                    |                                 |
|--------------------|---------------------------------|
| Size               | 22.9 x 36.1 cm (9" d x 14.2" h) |
| Weight             | 12.7 kg (28 lb.)                |
| Stabilization type | 2-axis fiber optic gyros        |
| Field of regard    | 360° AZ, 360° EL Continuous     |
| Slew rate          | 0° to 65°/sec                   |

### CONTROL ELECTRONICS UNIT (CEU)

|                         |   |
|-------------------------|---|
| Size                    | 25.1 x 15.2 x 26.9 cm (9.9" x 6.0" x 10.6") |
| Weight                  | 6.9 kg (15 lb.) sealed                      |
| Communication interface | RS 232/422                                  |
| Power                   | 19VDC-32VDC                                 |

### CONTROL UNIT OPTIONS

FLIR offers a variety of control options for TacFLIR II. 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](http://www.flir.com/GS)

