

# 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 battlefiled 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 (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
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### 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.

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