



TacFLIR-230

*Mid-Range, Gyro-Stabilized ISR System
Tailored for Vehicle Operations*

The TacFLIR® 230 provides maximum sensor range performance including a high resolution color zoom TV camera with low light capability, a powerful 640x480 cooled MWIR thermal camera with 18X total magnification, optional laser pointer and rangefinder. At 41 pounds and a nine inch diameter, the TacFLIR 230 provides the ability to deploy on any platform including UGVs. It is easily deployed with extendable masts for on-the-move operation. With hundreds of rugged, high reliability systems on RECCE vehicles, FLIR has the proven vehicle expertise to handle the most rugged environments & the most demanding missions.

APPLICATIONS

- Intelligence, Surveillance, Reconnaissance (ISR)
- Ground Mobility
- Commander's Viewer
- Unmanned Ground Vehicles (UGV)
- Vehicle Situation Awareness
- Object Detection, Identification & Recognition

KEY FEATURES

- Optimized for vehicle operations
- Stabilized for mid range ISR and on-the-move operation
- Compact and lightweight
- Multi-sensor system
- Fully integrated to vehicle
- Qualified and rugged

BENEFITS

- Tailored through extensive operational experience to vehicle operations for RECCE, Force Protection, drivers vision and situational awareness
- Gyro-stabilized and tuned specifically for vehicle installation, provides for maximum sensor range performance and increased range over typical pan/tilt systems at comparable price
- 41 lbs and 9" diameter class gimbal; provides the ability to deploy on any platform including UGV's. Easily deployed on extendable masts and designed for on-the-move operation
- High resolution color zoom TV camera with low light capability; powerful 640 x 480 cooled MWIR thermal camera with 10x continuous zoom optics and 1.8X extender; optional laser rangefinder and/or pointer for tactical coordination (pointer visible with TV Camera).
- Communications to vehicle systems, GPS, INS, Radar, and Moving Map
- FLIR has fielded hundreds of rugged, high reliability systems



TacFLIR provides crisp stable imagery through total darkness and while on the move.

Specifications

| Thermal Imager | |
|--|--|
| Sensor type | Indium Antimonide Focal Plane Array (MWIR) |
| Zoom Ratio | 10x continuous zoom |
| Image Resolution | 640 x 480 |
| Optional Zoom Extender | 1.8 x |
| Daylight/Color CCD TV | |
| Performance | Long range optics with maximized focal lengths |
| Zoom | 30x continuous |
| Low light | 0.7 lux |
| Autotracker | |
| Performance | Multimode video autotracker |
| Laser Range Finder | |
| Type | Class 1 eye-safe |
| Range | 10 km (15 km on large targets) |
| Typical Range Accuracy | +/- 5 m |
| Laser Pointer | |
| Nominal Wavelength | 852 nm |
| Power | 30 mW nominal |
| Classification | Class 3B (per ANSI Z136.1-2007) |
| Mechanical/Electrical | |
| System Weight | ~41 lbs (~18.5 kg) |
| Stabilized Gimbal Assembly (SGA) | 13" d x 15.5" h (330 mm x 394 mm), cylindrical volume 360° AZ continuous, +60° to -60° EL |
| Interfaces | RS-232, RS-422, Analog (NTSC & PAL) |
| Power | 18-30 VDC |
| Environmental | |
| Standards | MIL-STD-461, MIL-STD-810, MIL-STD-704E |
| Ergonomic, Ruggedized Control Unit Options | |
| Backlit, hand control unit NVIS compatible and fully sealed design (HCU) | |



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Hand Control for the TacFLIR-230

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