



Thermosight® T75

FLIR

T75

Long-Range Thermal Weapons Sight

Designed to mount on any MIL-STD-1913 rail interface forward of an existing scope, the FLIR Thermosight® T75 offers mission flexibility as a long range thermal weapon sight and hand-held as an observation device. The T75 is designed to interface with a wide range of day scopes and weapon platforms.

The T75 is highly portable, runs on common AA Li batteries and is equipped with large, rugged controls for image adjustment. FLIR is committed to providing Imaging solutions that are mission ready and world class in their performance. The Thermosight® T75 is no exception.



Thermosight® T75 in the field

KEY FEATURES

- Multi-use design
- Longwave thermal imaging sensor
- In-line configuration
- Ergonomic user-interfaces
- Quick detach locking throw lever
- Multiple Control Options
- E-Zoom
- Rugged, small, and lightweight
- All FLIR Inside

BENEFITS

- Optimized as a clip-on thermal sight. Use in front of a day optics as a clip-on, rail mounted thermal weapon sight. Is compatible with all combat optics and is rapidly adaptable to most weapons platforms.
- Provides crisp imagery daylight through total darkness, fog, smoke, dust, and most obscurants
- Low profile minimizes height above rail reducing interference with other devices and snag hazards
- Allows operators to keep positive control of the weapon's aimpoint while adjusting the sight
- Compatible with any MIL-STD-1913 Picatinny rail system
- On sight joystick controls and optional remote control pendant maintains shooter cheek weld
- Unity mag and 2x, 4x E-Zoom
- Minimizes impact on host weapon and reduces operator fatigue. Designed for extreme operating environments and tested to withstand thousands of rounds of gun shock
- FLIR controls the entire supply chain of the critical technology inside the T75 ensuring fast service and long term support.

APPLICATIONS

- Target Acquisition
- Reconnaissance
- Covert Operations
- Surveillance
- Speciality Law Enforcement

System Characteristics

Thermal Imaging Performance	
Sensor type	640 x 512 Long Wave IR Sensor
Wide FOV	9.4° h x 7.5° v
E-zoom	1X, 2X, 4x
Spectral band	8-12 µm
System Features	
Silent operation	Inaudible beyond 1m
Long Range Detection	Detect targets >800 meters (with day optic)
Boresight retention	Maintains boresight after weapons firing
Video Output	Standard NTSC or PAL video output (factory configured)
Controls and Display	
Mini Joystick Control	Color palettes, Polarity, Zoom, Digital Detail Enhancement, Brightness/ Contrast, Windage/ Elevation, Menu
Menu Function	Calibration, Display Mode, External Video, Weapon Select, Reticle Alignment, POA/POI
Display	Color OLED
Power	
Power requirements	Internal Replaceable Primary Batteries
Battery Types	3 EA. AA Lithium (L91)
Battery Run Time	Minimum 5 hours at 23°C
Environmental	
Waterproof	MIL-STD-810G Blowing Rain
Water Immersion	MIL-STD 810G Immersion, 1 meter for 30 minutes
Temperature	Operating: -30°C to +50°C (-22°F to +122°F) Storage: -40°C to +71°C (-40°F to +160°F)
Weapon Shock	Compatible with 5.56, 7.62 NATO, .338 Lapua
EMI	MIL-STD-461F RS103
Dimensions, Weight and Mounting	
Weight	1 kg (2.2 lb.), with batteries and throw lever mount
Mounting	Detachable Throw Lever Mount, Compatible with Picatinny Rail System
Dimensions	7.5" L x 3" W x 3.5" H (190mm L X 76.2mm W X 90mm H)
Available Accessories	
Soft Carry Case	Lightweight with padded zippered compartments
Lens Cap	Molded lens cap, attached to unit
Light Shroud	Molded Light Shroud, fits between unit and customer's day scope
Lens cleaning kit	Complete Cleaning Kit in Nylon Pouch
Operators Manual	Written Instruction on Unit Operation (English)
Quick Reference Card	Laminated Graphical Training Aid (English)
Batteries	6 ea. L91 AA Lithium
Remote Control	Remote control pendant for camera operation
Video Cable	Cable for video output to standard display



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