

THERMOSIGHT® T75

Advanced clip-on thermal
weapon sight for warfighter



APPLICATIONS

**TARGET
ACQUISITION**

RECONNAISSANCE

**COVERT
OPERATIONS**

SURVEILLANCE

**SPECIALITY LAW
ENFORCEMENT**



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 as a hand-held observation device. It's designed to interface with a wide range of day scopes and weapon platforms. The T75 runs on common AA Li batteries and is equipped with large, rugged controls for image adjustment. The long-wave IR sensor provides crisp imagery all night and all day.

T75 is optimal for close-in to medium-range engagements of 800+ meters and is highly portable. Ability to adjust with mini joystick or optional remote control pendant mounted to weapon increases warfighter's shooting stability and minimizes unnecessary movement that can potentially reveal location. Mil-qualified to meet extreme operating conditions, proprietary FLIR Shock Mitigation System™ (SMS™) helps T75 maintain optical boresight after thousands of rounds and provides extended service life.

FEATURES

MULTI-USE DESIGN

Use in front of day optics as a clip-on, rail-mounted thermal weapon sight. It's compatible with all combat optics and is rapidly adaptable to most weapons.

BORESIGHT MAINTAINED AFTER WEAPON DISCHARGE

The proprietary FLIR Shock Mitigation System™ (SMS™) absorbs and dissipates high shock loads while maintaining zero.

COMPACT, LIGHT, AND RUGGED

Highly portable design reduces operator fatigue and large, rugged controls for basic image adjustments means no complex menus to navigate.

ERGONOMIC CONFIGURATION AND CONTROL

Low profile reduces snag hazards, interfaces allow positive control of aim point while adjusting sight, and joystick maintains shooter cheek weld.

LONG-WAVE THERMAL IMAGING SENSOR

Crisp IR imagery lets you see in total darkness, through fog, smoke, and dust, and reveals more during daylight hours.

SPECIFICATIONS

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

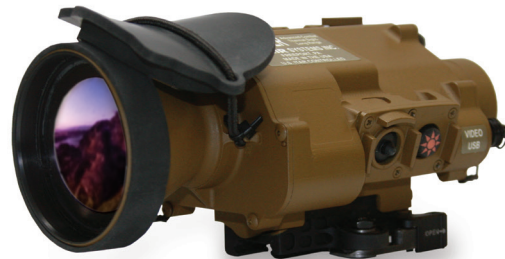
Waterproof	MIL-STD-810G Blowing Rain
Water Immersion	MIL-STD 810G Immersion, 1 meter for 30 minutes
Temperature	Operating: -30°C to +50°C (-22°F to +122°F) Storage: -40°C to +71°C (-40°F to +160°F)
Weapon Shock	Compatible with 5.56, 7.62 NATO, .338 Lapua
EMI	MIL-STD-461F RS103

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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