

ThermoSight™ T70/T75

ADVANCED COMBAT THERMOSIGHT
LONG RANGE/SHORT RANGE



APPLICATIONS

TARGET ACQUISITION

RECONNAISSANCE

COVERT OPERATIONS

SURVEILLANCE

SPECIAL LAW ENFORCEMENT

FEATURES

Multi-use design

Longwave thermal imaging sensor

In-line design

Ergonomic user-interfaces

Easy to use quick detach locking throw lever

Dual control modes

Adjustable field-of-view

Integrated Laser Pointer

Rugged, small and lightweight

No special batteries required

Bellows eye cup

It's all FLIR inside

BENEFITS

Clip-on to daysight/RCO or use as stand-alone thermal sight for mission flexibility; works with all combat optics and rapidly adaptable to various weapon platforms

Provides crisp imagery through total darkness, fog, smoke, dust and many other obscurants

Low opto-mechanical profile minimizes height above rail allowing installation of other devices (RCOs) and minimizes snag hazards

Allows operators to keep positive control of the weapon's muzzle while adjusting the sight

Compatible with any 1913 Mil-Std Rail System

Precise target acquisition using mini-joystick placed at operator's thumb and/or remotely via a control pad allowing operators to adjust and control the sight while keeping hands on rails, grips, triggers, ammo-belts, etc.

SR: Ultra-wide for increased situational awareness and narrow for enhanced target identification. Three zoom capabilities: 1X, 2X and 0.5X. LR: Native FOV compliments standard RCOs. Three zoom capabilities, 1X, 2X, and 4X, for long range ID and engagement

Low Power training mode, High Power for tactical use. Observable with NVGs

Minimizes impact on host weapon and reduces operator fatigue. Designed for extreme operating environments and tested to withstand thousands of rounds of rapid fire gun shock

Hot swap standard CR123 batteries, no downtime, never have to turn the unit off, can be swapped while weapon mounted

Ensures covert operation by eliminating illumination of the operator from the viewfinder

FLIR controls the entire supply chain on the critical technology inside the T70/T75 ensuring fast service and long term support





ThermoSight™ T70/T75

THERMAL IMAGING PERFORMANCE

Sensor type	640 x 480 VOx microbolometer
Field of view	LR: 7° (vert) selectable 1X Unity, 2X and 4X, SR: 7° (vert) selectable 1X Unity, 2X and 0.5X
Spectral band	7.5-13.5 µm

SYSTEM FEATURES

Silent operation	Inaudible beyond 1 m
Bore sight retention	Holds boresight through extensive rounds of firing on a variety of weapon platforms

OUTPUTS

Video	RS-170 external video out
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POWER

Power requirements	4 CR123 batteries
Battery life	Approximately 6 hours continuous use

ENVIRONMENTAL

IP rating	IP 67+ (20 ft. freshwater, 6 hr; 66 ft seawater, 2 hrs)
Operating temp	-40°C to +49°C (-40°F to +120°F)
Storage temp	-40°C to +71°C (-40°F to +160°F)
Shock and vibrate	Per MIL-STD-810F
EMI	Per MIL-STD-461E

DIMENSIONS, WEIGHT & MOUNTING

Dimensions	T70 = 6.8" L x 2.8" W x 3.5" H T75 = 7.3" L x 2.8" W x 3.5" H
Weight	T70 = 1.5 lbs with batteries and mounting hardware T75 = 1.75 lbs with batteries and mounting hardware
Mounting	Compatible with any 1913 Mil-Std Rail System

INTERFACES

Command and Control	Joystick: Palette, Polarity, Zoom, Digital Detail Enhancement Brightness/Contrast Windage/Elevation and Menu Menu: Calibration, Display, Mode (Clip-on), Weapon, External Video and Laser (On/Off)
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LASER POINTER

NVG compatible laser pointer; low power training mode Class 1 eyesafe (0.6 mW)/Class 3b non-eyesafe (30 mW) high power mode for tactical use

STANDARD PACKAGE

ACTS Sight with adjustable quick detach throw mount, coupling hood/eyepiece, P Remote Control Pad, Batteries Operators Manual and Quick Reference Card, Lens Cleaning Kit and Soft Carrying Case

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