

ThermoSight™ T70

MILITARY DESIGNATION SU-271/PAS



APPLICATIONS

TARGET ACQUISITION

RECONNAISSANCE

COVERT OPERATIONS

SURVEILLANCE

SPECIAL LAW ENFORCEMENT

FEATURES

Multi-use design

Longwave thermal imaging sensor

In-line configuration

Ergonomic user-interfaces

Easy to use quick detach locking throw lever

Multiple Control Options

Adjustable magnification

Rugged, small and lightweight

Accepts multiple battery types

It's all FLIR inside

BENEFITS

Optimized as a direct view thermal sight. Can be used 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. Accurate in direct view and clip-on modes.

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-SRD-1913 Picatinny rail system

A mini-joystick placed at the operator's thumb when supporting the weapon under the handguard or at a user selected location via a wired remote control pad allows operators to control the sight and adjust the IR image without changing their hand positions

Wide field for increased situational awareness and narrow field for identification and targeting. All compatible with standard day optical sights

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

AA or CR123 (installed in any orientation)

FLIR controls the entire supply chain of the critical technology inside the T70 ensuring fast service and long term support.





ThermoSight™ T70

THERMAL IMAGING PERFORMANCE (640 X 512)

Sensor type	640 x 512 17μ VOx microbolometer
Field of view (sensor)	9.4°(H) x 7.5° (V)
Field of view (display)	9.4°(H) x 7.5° (V)
Magnification options	1x, 2x and 4x
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 (NTSC or PAL)
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POWER

Power requirements	2 or 3AA (lithium or alkaline) OR 1 or 2 DL 123 batteries (installed in any orientation)
Battery life	Approximately 6 hours continuous use with 3AA lithium
Power rail compatible (accepts external power)	

ENVIRONMENTAL

IP rating	IP 68 (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	6.8" L x 2.8" W x 3.5" H (172.72mm L x 71.12mm W x 88.9mm H)
Weight	1.5lbs(0.69k) with batteries and mounting hardware
Mounting	Compatible with any Mil-Std-1913 Picatinny 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

Near IR NVG compatible laser pointer (optional)

STANDARD PACKAGE

T70 with adjustable quick detach throw lever mount, coupling lightshroud /eye relief, video output cable, remote control pad, batteries, operators manual, graphic training aid, lens cleaning kit, and soft carrying case

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