

ThermoSight™ T50

ADVANCED COMBAT THERMOSIGHT



APPLICATIONS

TARGET ACQUISITION

RECONNAISSANCE

COVERT OPERATIONS

SURVEILLANCE

SPECIAL LAW ENFORCEMENT

FEATURES

Compatible with Standard Day Optic

Longwave thermal imaging sensor

Multi use design

Rubber Shroud

Small and lightweight

Simple operation

No special batteries required

It's all FLIR inside

BENEFITS

Designed to interface with day sights such as Trijicon Advanced Combat Optical Gunsight (ACOG) Model TA31, 4x32 presenting the soldier with the same field of view, keeps reticles calibrated, maintaining boresight

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

Offers mission flexibility for use as a thermal weapon sight and as a rugged hand held imager for a variety of scouting, surveillance, and covert operations

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

Highly portable design reduces operator fatigue

Large, rugged, single button controls for basic image adjustment, no complicated menus to navigate

Runs on CR123 photo cells

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





ThermoSight™ T50

THERMAL IMAGING PERFORMANCE

| | |
|--------------------|--|
| Sensor type | 320 x 240 VOx microbolometer |
| Fields of view | 9.33° (h) x 7° (v) |
| Spectral band | 7.5-13.5 μm |
| Automatic features | Contrast, brightness, STACE™ (digital image enhancement) |

SYSTEM FEATURES

| | |
|----------------------|--|
| Silent operation | Inaudible beyond 1 m |
| Bore sight retention | Holds boresight through extensive rounds of firing |

OUTPUTS

| | |
|-------|---|
| Video | Built in Display VGA monochrome and RS-170 output |
|-------|---|

POWER

| | |
|--------------------|--------------------------------------|
| Power requirements | 3 CR123 batteries |
| Battery life | Approximately 9 hours continuous use |

ENVIRONMENTAL

| | |
|----------------|----------------------------------|
| IP rating | IP 68 |
| Operating temp | -40°C to +75°C (-40°F to +131°F) |
| Storage temp | -50°C to +85°C (-58°F to +149°F) |

DIMENSIONS, WEIGHT & MOUNTING

| | |
|------------------------------|---|
| Dimensions (lens covers off) | 5.3" L x 3.5" W x 4.0" H |
| Weight | 24 oz with batteries, lens covers, and rail mount |
| Mounting | Picatinny Rail mount |

INTERFACES

| | |
|---------------------|---|
| Command and Control | Auto/manual gain/level, polarity, manual NUC, 2x, 4x digital zoom |
|---------------------|---|

STANDARD PACKAGE

| | |
|---------------|--|
| Laser Pointer | 30 mW @ 850 nm and safety mode of 0.5 mW |
| Batteries | 3 each, CR123, fit into plastic sleeve for quick removal and replacement |

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STACE™
Digital Image Enhancement

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