

# TC35A

## Thermal Clip On Sight



## ABOUT

The newly developed TC35A offers increased performance, enhanced modular design, and a considerable decrease in weight. Constructed with extremely durable composite molded plastic, the TC35A provides operators with an exemplary modular and incredibly lightweight Thermal Clip-On Sight, while maintaining the first-rate, rugged construction that is essential to mission success.

The TC35A attaches in front of the day scope on a MIL-STD-1913 (Picatinny rail), allowing the flexibility to use the sight on multiple weapons. The TC35A is fully collimated to maintain boresight with the day optic, eliminating the need to re-zero, when attached or detached from the weapon.

The TC35A can also be used as a stand-alone weapon scope, with four reticle patterns custom tailored for individual weapons with corresponding zero, color, brightness and contrast. Standard 2x and 4x digital zoom enables clear identification of targets before engaging.

The TC35A provides a significant advantage in detecting, observing and engaging targets in all conditions, day or night, while giving the user the most weapon functionality and application. The TC35A is easy to operate with ergonomic and clearly marked digital controls.



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# TC35A Thermal Clip On Sight

## SYSTEM SPECIFICATIONS

Model Designator	TC35A
Detector	Uncooled vanadium oxide (VOx) microbolometer
Spectral Response	7.5 - 13.5 $\mu\text{m}$
Detector Resolution	336 x 256
Detector Pitch	17 $\mu\text{m}$
Frame Rate	30/60 Hz
Standard Mount	MIL-STD-1913 Picatinny or Weaver
Reticles	Four reticles selectable and adjustable to boresight
Focus	Fixed
Digital Zoom	2X, 4X
Polarity Control	Black hot/white hot
<b>Eyepiece Assembly</b>	
Display Type	Color OLED
Display Resolution	800 x 600
<b>Power</b>	
Power Source	4 CR123 batteries, external 12 VDC or USB
<b>Range Performance (typical/best, meters)</b>	
Detection - Man	800/880
Recognition - Man	200/225
Identification - Man	105/112
Detection - Vehicle	2250/2700
Recognition - Vehicle	590/680
Identification - Vehicle	290/340
<b>Environmental</b>	
Operating Temperature Range	-40°C to +50°C
Non-Operating Temperature Range	-40°C to +71°C
Protection Rating	IP68
<b>Physical Characteristics (without batteries and spacer)</b>	
Size (L x W x H), mm	201 x 82 x 80
Weight, g	696
<b>Image Capture</b>	
Storage Type	Internal. Non-removable
Image Access	USB
Storage Capacity	400 images. Extended memory versions are available.

Specifications are subject to change without notice

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