



THERMAL IMAGING WEAPON SIGHT

ThOR-640 2.5-20X 30 Hz

ATN is proud to introduce the newest line of ThOR Thermal Weapon Scopes. The most advanced night vision technology available is brought to you by the premier company dedicated to providing night vision systems at affordable prices. The new ThOR line is rich with features and options making it the best value of any comparable system on the market. This model is lightweight and small enough to fit in the palm of your hand, yet it's rugged and durable.

The entire system is built in the USA, utilizing Mil-Spec Lenses that make the ThOR battle-worthy for most any mission, operation, or outdoor activity. Each system features a digital menu that gives you a variety of options and adjustments allowing you to customize your system. You can select a number of reticle options (5 standard) as well as choose a reticle color best suited for your specific application. No more black reticles on a black and white screen – ThOR features a color OLED display giving you a sharp color reticle every time. Or switch to full color mode (5 available) and overlay it with either a black, green or red reticle depending on the conditions and the environment.

Ever have problems with a scope not being able to hold zero? The ThOR has no screws or springs that can create targeting errors. With all digital controls, the ThOR will NEVER allow your reticle to move off base.

These scopes provide amazing image quality through total darkness, fog, or smoke. Darkness, camouflage or bright lights will not affect the sensitivity of these units. All units have feature E-Zoom to expand your optical magnification. They're Ideal for nighttime hunting, force protection, border patrol, police SWAT and special operations. And they feature a video-out connection and cable which will let you capture your nighttime operation on video.

These units are priced like no other thermal devices in their class – as much as half of what you would expect to pay! No other product is comparable in value or price. The ATN ThOR functions equally well as a weapon scope or a handheld viewer. Once you experience Digital Thermal you may not want to use anything else again!

- | Aircraft aluminum constructed body with class 3 hard anodized coating
- | Digital Tactical Menu with quick-view icons
- | Memory Recall preserves operational settings
- | Power-off safety feature prevents accidental shut down
- | Polarity: white hot / black hot / color
- | 12 selectable color pallets available to view thermal images.
- | Five reticle patterns: ballistic, duplex, crosshair with dot, post, post with dot
- | Five reticle colors: red, green, white, black, blue
- | Six-step brightness control
- | Easy to change battery cartridge
- | Ingenious "one to run" battery power design. System can run on 1, 2, or 3 batteries.
- | Batteries: (3) 3V lithium (CR123A).
- | Battery life: 8+ hours (with 3, 3V)



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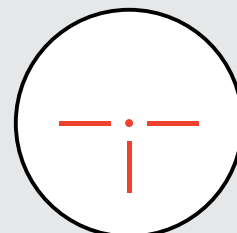
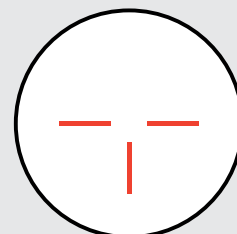
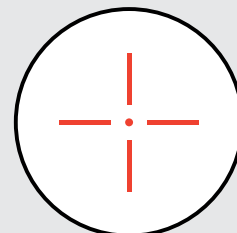
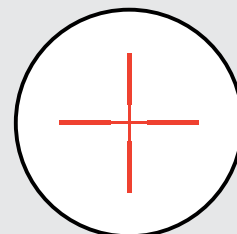
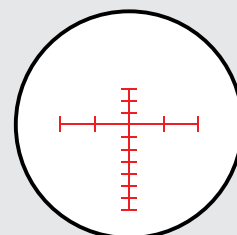
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SP-SA-ThOR-640-2.5-20X-001 Rev. A

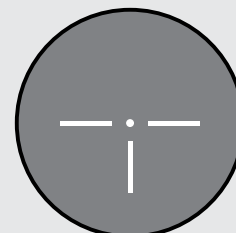
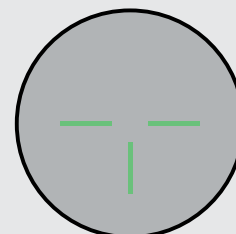
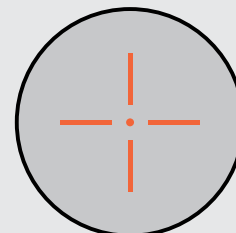
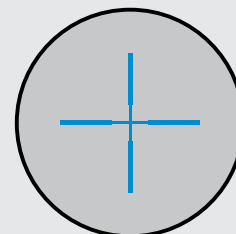
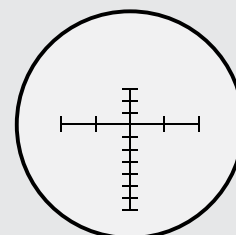
SPECIFICATIONS

Sensor (microbolometer)	640x512 px
Frame rate	30 Hz
Material	Vanadium oxide (VOx)
Image Size (output resolution)	800x600 px
Video output	Digital NTSC / PAL
Display	Color OLED matrix, SVGA< 800x600 Color background + color reticles
Thermal Sensitivity	<50 mK
Spectral Response	7-14 μm
Field of View (H x V)	12.5° x 9.7°
Eye Relief	28 mm
Optical Magnification	2.5x
E-Zoom	5x, 10x, 20x
Diameter of exit pupil	14 mm
Distance of the human detection (w/o zoom)	1100 m
Distance of the human recognition	400 m
Distance of the human identification	225 m
Distance of the vehicle detection	2425 m
Distance of the vehicle recognition	875 m
Distance of the vehicle identification	525 m
Reticle	Multiple Reticles to Choose From
Reticle Color	Red, Green, Blue, White & Black
Smart Zoom	Thor's Reticle will Automatically Adjust its position when using E-Zoom (Note: Most thermal scopes allow the user to use the scope for observation only, in E-Zoom due to the lack of this feature.)
Brightness adjustment	Manual
Sharpness adjustment	Automatic
Polarity control	White hot / Black hot / Multiple Color Modes
Start up time	<3 sec
Waterproof	Waterproof / Dustproof
Battery type	3 x CR123A battery type
Battery Life	8+ hrs
Weight	1.87 lb /850 grams
Dimensions (L x W x H)	8" x 2.72" x 2.87" / 203 x 69 x 73 mm
Mounting bracket	MIL-STD 1913 Picatinny (Quick)
Output computer set up	Yes
Low Battery Indicator	Yes
Iconology	Quick access, Icon driven feature controls
Housing	Aircraft Aluminum 6061 T6 w/ class III hard anodized coating
Objective lens	Janus, full MIL SPEC, DLC (Diamond Like Carbon) coating
Warranty	3 year standard/10 year sensor

RETICLE PATTERNS



RETICLE COLORS



DISPLAY COLOR MODES

