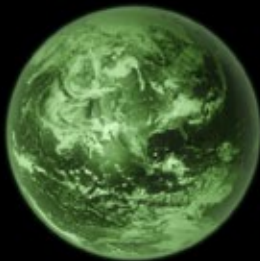


WE SEE EVERYTHING



NATURAL



NIGHT VISION



THERMAL IR



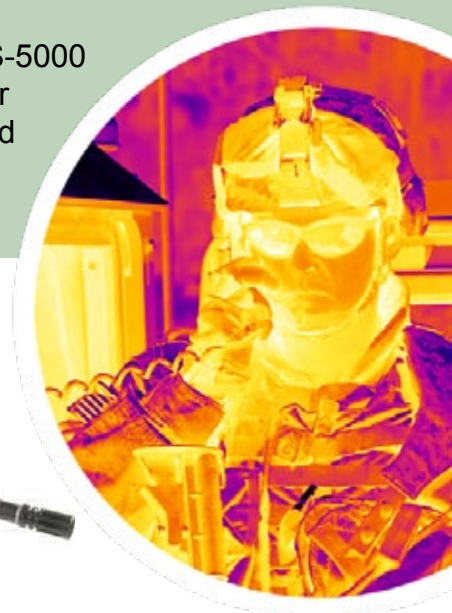
INFRARED

# TRS-5000

## HIGH PERFORMANCE THERMAL RIFLE SCOPE

The TRS Series of Thermal Rifle Scopes offer superior quality in performance, ruggedness and image quality. Designed for the rigors of military combat and law enforcement scenarios, the TRS series provides the latest in thermal technology in a robust package. Based on ultra high resolution, uncooled, Maintenance free microbolometer sensor technology, the TRS 5000 Series thermal weapon sights generate unprecedented image quality allowing the user to detect and recognize potential hostile targets at the maximum distance, independent of darkness, adverse weather and common obscurants. The exceptional sensitivity and blur free imagery inherent in all variants enable the user to see first, act decisively, and ultimately achieve mission success.

Each TRS-5000 variant has successfully completed a rigorous qualification testing program, resulting in a robust and proven design. With thousands of units currently delivered and a manufacturing capacity of over 1000 units per month, the TRS-5000 series of Thermal Rifle Scopes offer you a clear advantage. From low cost procurement to rapid delivery to mission completion, the TRS-5000 Never Let's You Down!



Sierra Pacific Innovations Corp

6620 S. Tenaya Way - Las Vegas, NV 89113 - [www.sierrapacificinnovations.com](http://www.sierrapacificinnovations.com)

Phones: 1-702-369-3966, Fax 1-702-369-3977 E-mail: [sales@x20.com](mailto:sales@x20.com)

Export of these products is regulated by the U.S. Department of State in accordance with the guidance of \*International Traffic in Arms Regulation (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130.

# TRS - 5000 Specifications



VARIANT	5001	5002	5003
IR Sensor	Uncooled vanadium oxide (VOx) microbolometer		
Detector	Uncooled vanadium oxide (VOx) microbolometer		
Spectral response	7.5-14µm		
Resolution/ array format	320x240	640x480	640x480
Range performance			
Recognition range (70%Pr – moving man)	680m/2,230ft	1,100m/3,608ft	2,200m/7,216ft
Horizontal field of view (HFOV) -wide	17.3 deg.	19.5 deg.	9.6 deg.
Horizontal field of view (HFOV) -narrow	8.6 deg. (2xe-zoom)	6.5 deg. (3xe-zoom)	3.2 deg. (3xe-zoom)
Weapon interface	MIL-STD-1913 picatinny rail or weaver rail		
Standard mount	MIL-STD-1913 picatinny rail or weaver rail		
Reticles	Selectable and Adjustable to Boresight		
Physical characteristics			
Size (LxWxH)	28.5x7.9x12.5cm 11.2 x 3.1 x 4.9in	33.8x8.1x13.7cm 13.3 x 3.2 x 5.4in	40.4x9.9x14.5cm 15.9 x 3.9 x 5.7in
Weight (w/batteries)	0.8kg/1.95lbs	1.3kg/2.9lbs	1.8kg/3.7lbs
Environmental characteristics			
Operating temperature	-46°C to +49°C / -51°F to +120°F		
Storage temperature	-46°C to +71°C / -51°F to +160°F		
Qualification testing	Fully qualified		
Power			
Source	(4) – AA batteries	(6) – AA Batteries	(6) – AA batteries
Operating time	10hrs w/one change of batteries		
Power conservation	Standby mode		
Video			
Frame rate	60Hz	30Hz	30Hz
Video out	Analog RS-170		
Eyepiece assembly			
Display resolution	640x480		
Individual eye correction	+2/-6 diopter adjustment		

Note: Specifications subject to change without notice.



Sierra Pacific Innovations Corp

6620 S. Tenaya Way - Las Vegas, NV 89113 - [www.sierrapacificinnovations.com](http://www.sierrapacificinnovations.com)

Phones: 1-702-369-3966, Fax 1-702-369-3977 E-mail: [sales@x20.com](mailto:sales@x20.com)

Export of these products is regulated by the U.S. Department of State in accordance with the guidance of \*International Traffic in Arms Regulation (ITAR)\* per Title 22, Code of Federal Regulations, Parts 120-130.