

MORO VISION NIGHT VISION

LIGHT THE NIGHT™

SPECTER IR SP 50B – THERMAL WEAPON SIGHT

SPECTER IR SP 50B THERMAL WEAPON SIGHT.

Utilizing uncooled microbolometer technology, Specter IR Thermal Weapon Sights are completely passive infrared weapon sighting systems which allow users to identify the heat signatures of individuals or objects; day or night and in rain, fog and smoke. As with previous models of SpecterIR Thermal Weapon Sights, no external light source is required, and the unit may be used in complete darkness or broad daylight. When viewed through the SpecterIR, heat-emitting objects such as humans and recently-operated vehicles stand out dramatically against their surroundings, defeating camouflage and other methods of visual concealment. The second generation of the now-famous SpecterIR line, the SP50B is enhanced with a greater operating temperature range, improved detector, "smart" reticle, and improved video output parameters.



Features and Benefits:

- No external light source is required, the unit may be used in complete darkness or broad daylight.
- Wide operating temperature range, shock and water-resistant.
- Improved detector "smart" reticle allows for precise targeting and changes color to provide maximum contrast against it's background.
- Improved video output allows for external video monitor hook-up or recording by video recorder.
- Quick-detachable mounting allowing for fast attachment to Mil-Std-1913 "Picatinny " rails and interchangeability with other ELCAN optical and electro-optical weapons sights.



specterIR
Thermal Weapon Sight

Built to the same legendary rugged standards as other ELCAN weapon sighting systems, the SpecterIR family is shock and water-resistant and will withstand the forces generated by repeated recoil. The quick-detachable mount allows fast attachment to Mil-Std-1913 'Picatinny' rails and weapon receivers. Once sighted-in to a particular weapon, the sight may be interchanged with other ELCAN optical and electro-optical sights zeroed for the same weapon in a matter of seconds and without noticeable change in point of impact.

The electronic reticle allows precise targeting of hostile threats, and changes color to provide maximum contrast against its background. The SpecterIR SP50B operates on three lithium AA batteries and has auxiliary power ports for operation on AC electrical outlets or vehicle cigarette lighters. A video output port allows the sight picture to be displayed on an external video monitor or recorded by video recorder. When used solely as an observation device, the unit may be operated hand-held or tripod mounted.

CALL US TODAY AT: Toll Free 1-800-424-8222 or 949-488-3855

Or visit us online at: <http://www.morovision.com>

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SPECTER IR SP 50B SPECIFICATIONS

NETD	<0.1° C
Field of view	6.4° (V) x 8.6° (H)
Magnification	2x
Operating temperature range	-20° to +60°
Optics	f/1.0, 50mm focal length, athermalized
Focus range	10 m to infinity
Eye correction	+/- 6 Diopters
Angular resolution	1 mradian
Range to acquire moving man	Up to 500 meters
Continuous operating time	8 hours @ 25° C
Internal power	3 lithium AA batteries
External power	Optional 12v DC, 120/240v AC
Initial Start-up Time	5 seconds
Spectral response	7.5 to 12.5 microns
Polarity control	White hot / Black hot
Gain / Level	Automatic control with enhanced image processing
Rail mount	MIL-STD-1913 'Picatinny Rail'
Wireless video link	Optional
Weight (w/Batteries)	<3.0 lbs (1.36 kg)
Size (inches)	12.73 (L) x 4.15 (W) x 3.75 (H)
Size (mm)	323 (L) x 105 (W) x 95 (H)
Exterior	Shock resistant, Water resistant
Video out	Monochrome with reticle Format: SMPTE-170M (NTSC compatible)
Reticle	"Smart Reticle" crosshair with dot

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EXPORT NOTICE:

Export of this product is regulated by the U.S. Department of State in accordance with guidelines of "International Traffic in Arms Regulations (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130

This data sheet is approved for unlimited release.

Specifications subject to change without notice