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The ELCAN SpecterIR SP50B

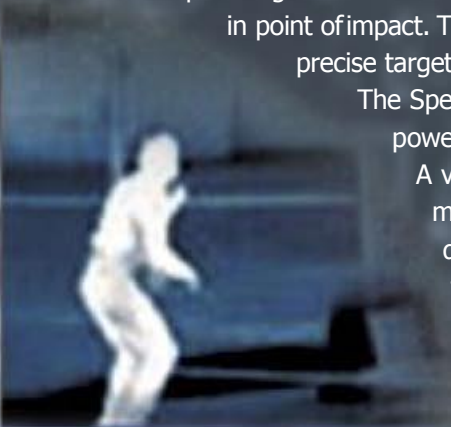
The industry standard for affordable Thermal Weapon Sights.

Utilizing uncooled microbolometer technology, the SpecterIR SP50B is a completely passive infrared weapon sighting system which allows users to identify the heat signatures of individuals or objects; day or night and in rain, fog and smoke. 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.

Built to the same legendary rugged standards as other ELCAN weapon sighting systems, the SpecterIR SP50B is a shock and water-resistant sight that 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 "smart" reticle automatically changes polarity, allowing precise targeting of hostile threats.

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 image 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. Weighing less than three pounds, the SpecterIR SP50B is a compact yet powerful tool, and is in current service with elite Military and Security Professionals.





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SpecterIR

MODEL SP50B



Specifications

NEDT	<0.1° C
Field of view	8.6 degrees (H) x 6.4 degrees (V)
Magnification	2x
Operating temperature range	-20° C to 60° C
Optics	f/1.0, 50mm focal length, athermalized
Focus range	10 meters to infinity
Individual eye correction	+/-6 diopter adjustment
Angular resolution	1 milliradian
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'
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 SMPTE-170M (NTSC compatible)
Reticle	"Smart Reticle" crosshair with dot



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