



Item Number: **Specter-IR**

**Elcan Specter IR Thermal Sight**

Retail \$12,995.00

**Savings \$1,795.00**

**Your Price \$11,200.00**

The second generation in the revolutionary **SpecterIR** family of Thermal Weapon Sights.

Utilizing uncooled microbolometer technology, SpecterIR 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.

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.



- The SpecterIR SP50B is in current service with elite military and security professionals
- Specifications:
- NEDT <math><0.1^\circ\text{C}</math>
- Field of View 8.6 degrees (H) x 6.4 degrees (V)
- Magnification 2x
- Operating Temperature Range  $-20^\circ\text{C}$  to  $60^\circ\text{C}$
- Optics F/1.0, 50mm focal length, athermalized
- Focus range 10 meters to infinity
- Individual eye correction  $\pm 6$  diopter adjustment
- Angular resolution 1 milliradian
- Range to acquire moving man Up to 500meters
- Continuous operating time 8 hours @  $25^\circ\text{C}$
- Internal power 3 lithium AA batteries
- External power Optical 12v DC, 120/240v
- AC Initial start-up time 5 seconds
- Spectral responses 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) <math><3.0\text{ lbs}</math> (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
- Pictures below from Specter IR unit at 50 and 100m. Actual image through the user's eye is much clearer than the camera pics depicted!

