

WE SPECTER IR

Thermal weapon sight

Introducing WE SPECTER IR; the first affordable thermal weapon sight designed specifically for homeland security, police and security professionals. WE SPECTER IR uses heat-imaging technology previously only available for military applications and offers true "see-in-the-dark" infrared capability. Intended for weapon mounted use, this simple-to-operate passive infrared sight can see what the human eye cannot. Darkness, rain, fog, dust and smoke are transparent to the WE SPECTER IR sight.



This is a new developed , affordable infrared sight specifically in response to the growing need for civil defense and emergencies. With the new WE SPECTER IR sight, law enforcement agencies, security professionals and search & rescue responders have a powerful new tool in homeland security, resources and public facilities.

Developed to the same demanding standards employed on Top optical and image intensified sights that are deployed with military forces all over the world, WE SPECTER IR is a rugged, shock and water resistant, infrared targeting system. It enables the detection and acquisition of moving man-size objects beyond 200 meters. Unlike image intensified night vision devices, WE SPECTER IR easily detects targets from the surroundings based on their heat signature. In "high-risk" security applications (Nuclear Plants, Oil Refineries and Pipelines, Water Treatment Plants, Port Authorities, Penitentiary Facilities), government law enforcement agencies can more effectively locate, identify and neutralize hostile threats with reduced risk.

The WE SPECTER IR sight features a video output port for an external CRT or video recorder. This makes WE SPECTER IR ideal for extended threat detection missions, surveillance or for real-time instruction. The sight uses 3 standard AA Li Batteries widely available in many retail outlets. The Specter's mount uses the MIL-STD-1913 Picatinny Rail (standard weaver with cross-slots) providing compatibility to a wide range of weapons such as the AR15, M4, M16 and others.

As an integrated component of the next generation of advanced operation and civil defense requirements, the WE SPECTER IR sight exemplifies the commitment to ongoing product development and optical excellence at ELCAN Optical Technologies.



WISE EYE

Integrated Security Solutions



WE SPECTER IR 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, etherealized
Focus range	10 meters to infinity
Individual eye correction	+/-6 diopter adjustment
Angular resolution	1 milliradian
Range to acquire moving man	Up to 500meters
Continuous operating time	8 hours @ 25° 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)	<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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