

Raytheon

ELCAN Optical Technologies

SpecterHR

Designated ECOS-H Enhanced Combat Optical Sight-Heavy



Heavy Reflex Biocular Weapon Sight.
Dual Red Dot Reflex Sight for Heavy Calibre
and Crew-Served Weapons - Digital HUD Ready

specterHR
Heavy Reflex Sight by ELCAN

Benefits

- Twice the identification range and six times the accuracy of an in-line magnifier and enhances precision fire out at all ranges.
- Panoramic 1x FOV with accessory top mount magnifier (eg: SpecterDR sight). Fast target acquisition and precise engagement improves survivability and lethality.
- Twin red dot targeting system provides dual ranges for pop-up target engagement and longer range suppressive fire.
- High transmission reflex coatings and ultra-bright reddot reticles give easy ranging and fire control. Rugged and accurate.
- Biggest advancement in crew-served targeting that is reliable and cost-effective for large-scale deployment.

SpecterHR Overview

The SpecterHR Optical Combat Sight by Raytheon ELCAN is a sealed, rugged, large window, biocular weapon sight with exceptionally fast CQB performance (ideal against pop-up threats), and an uncluttered 1 MOA accurate 2-dot reticle for both CQB and ballistic compensated ranged combat.

A top mounted rail allows mounting an optional telescopic sight (ECOS-H Magnifier) to aid target identification and targeting at longer ranges without degrading the system's ability to rapidly engage close range pop-up threats.

The SpecterHR heavy reflex sight uses large high transmission windows and folded optics which allow both eyes to look through the sight, increase FOV, and enhances targeting from moving platforms in even low light conditions. Unlimited eye relief and a very large freedom of head motion greatly increase lethality in urban environments.



SpecterHR by ELCAN

Specifications (Preliminary)

Parameter	
Fixed Magnification	1.0x
Front Window Dimensions W x H	4" x 2" (100 mm x 50 mm)
Exit Pupil W x H	4" x 2" (100 mm x 50 mm)
Eye Relief	Infinite (Reflex Optics)
Optical Axis Height	4.64" (117.9 mm)
Optical Parallax	<1 MOA over full aperture
Ballistic Compensation Reticle	2 Ballistic Aiming Dots
Reticle Illumination Source	2 x Near Resonant LED (650nm, red)
Reticle Illumination Adjust	AUTO mode + 15 fixed levels (Manual mode)
Battery/Life	2 x CR123 Li/MnO ₂ (300 hours typical @ max brightness)
Voltage/Ground	No voltage above 3V/ External Housing is Ground.
Zeroing Adjust Click Size	0.5 MOA per click
Zeroing Adjust Range	±1.0° Azimuth, +0.5°/-1.0° Elevation
Submersion	> 10 min @ 3 feet
Housing Material/Finish	AL 6062 T6/Hard Anodic Flat Dark Earth Finish
Operating Temperature Range	+40 to 140°F, -40 to +85 °C
Storage Temperature Range	+40 to 140°F, -40 to +85 °C
Mount Capability	MIL-STD-1913 Picatinny Rail Clamp
Length, Width, Height (no lens cover)	8.35" (L) x 4.96" (W) x 6.42" (H) 212 mm (L) x 126 mm (W) x 163 mm (H)
Weight	5.5lbs/2.5kg

All Specifications Are Subject to Change.

Users:

- Military
- Special Operations
- Infantry
- Heavy Brigade Combat Teams
- Military Police
- Navy (boat-mounted guns)
- Coast Guard (boat-mounted guns)



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NOTE: Specter sighting systems are advanced technologies that may be subject to export licensing restrictions. Please contact Raytheon ELCAN for further information on technology restrictions and product availability.
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