

SIGHT-50HD

for Armored Vehicles and Remote Weapon Stations



The SIGHT-50HD is a gyro-stabilized targeting sight, especially designed for installation on a wide variety of vehicles and weapon stations.

The SIGHT-50HD provides the full package of EO/IR sensors needed to meet every operational challenge and to ensure quick target assessment and engagement.

The SIGHT-50HD facilitates long range target acquisition under severe weather conditions, day and night, for both stationary and mobile situations.

SIGHT-50HD

for Armored Vehicles and Remote Weapon Stations

Electro-Mechanical

Type: 4 Gimbal Gyro-stabilized System
 Field of Regard: Azimuth: 360° x N (continuous)
 Elevation: -30° to +85°
 Angular Velocity: Azimuth / Elevation: 60° / Sec (max)

Thermal Imaging (TI) Sensor

Spectral Range: 3.0 - 5.0 μ m
 Detector: FPA 1280x1024
 Lens: Zoom X22
 Field of View: Widest Narrowest (optical) x3 Elect. Zoom
 35.5° x 20° to 1.6° x 0.9° to 0.5° x 0.4°

Or

Spectral Range: 3.0 - 5.0 μ m
 Detector: FPA 640x512 InSb
 Lens: Zoom X36
 Field of View: Widest Narrowest (optical) x3 Elect. Zoom
 27° x 21° to 0.76° x 0.57° to 0.25° x 0.19°

Full HD Daylight Channel

Camera: Color Full HD 1920x1080 pixels
 Lens: Zoom X20
 Field of View: Widest Narrowest x3 Elect. Zoom
 48° x 27° to 2.3° x 1.3° to 1° x 0.56°

Spotter Channel

SWIR Camera: InGaAs 640x512 pixels
 Field of View: 0.9° x 0.7°
Or
 Daylight Camera: Color Full HD 1920x1080 pixels (Optional)
 Field of View: Narrowest x3 Elect. Zoom
 0.67° x 0.37° 0.22° x 0.12°

Laser Rangefinder (optional)

Type: Eyesafe, Class 1
 Wavelength: 1.54 μ m
 Range: 75 – 20,000 m

Laser Pointer (optional)

Wavelength: 830 nm

Physical Characteristics

Weight (Turret): 29 kg (64lb)
 Dimensions (Turret): (Ø)354mm (14") x (H)493mm (19.4")
 PEB: 3.8 kg (8.4lb)
 Control Unit: 1.5 kg (3.3lb)

Electrical Interface

Voltage: 28 VDC
 Power Consumption: 100 Watt (nominal)
 Video Outputs: HD-SDI (1080p25), PAL
 H.264 / H.265 (Optional)
 USB-C (Optional for video recording)

Environmental Conditions

Temperature: -32 C to +55 C

Features

Superior Gyro-stabilized Image
 Advanced Image Processing
 Multi-Spectral Imaging
 Lightweight and Compact Design

Optional

Eyesafe Laser Range Finder(LRF)
 Laser Pointer
 Control Unit (CU)
 Ruggedized video displays
 Digital Video Recorder (DVR)
 Laser Rangefinder PPS 10

Image Processing

Local AGC Day/TI
 Video Enhancement
 Automatic Video
 TrackerPicture-in-Picture (PIP)
 AI (Optional)



29kg



Radar



GPS



Control Unit



Naval weapon station



Command & Control Systems