

# 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.

## Applications

Remote Weapon Stations  
Force Protection  
Route Clearance  
Air Defense  
ISR Observation

### Technical info:

 29kg
 354mm
 32km

 Thermal Imaging detection range to NATO target

**CONTROP**  
Turning Vision Into Reality

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## 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)



## Electro-Mechanical

Type: 4 Gimbal Gyro-stabilized System  
Field of Regard: Azimuth: 360° x N (continuous)  
Elevation: +110° to -65°  
Angular Velocity: Azimuth / Elevation: 60° / Sec (max)

## Thermal Imaging (TI) Sensor

Spectral Range: 3.0 - 5.0  $\mu\text{m}$   
Detector: FPA 1280x1024  
Lens: Zoom X22  
Field of View: Widest Narrowest (optical) x3 Elect. Zoom  
35.5° x 28° to 1.6° x 1.3° to 0.53° x 0.43°

or

Spectral Range: 3.0 - 5.0  $\mu\text{m}$   
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 X22  
Field of View: Widest Narrowest x3 Elect. Zoom  
50° x 28° to 2.3° x 1.3° to 0.8° x 0.45°

## Spotter Channel

Daylight Camera: Color Full HD 1920x1080 pixels  
Field of View: Narrowest x3 Elect. Zoom  
1° x 0.56° 0.33° x 0.15°

or

SWIR Camera: InGaAs 640x512 pixels  
Field of View: 0.9°

## Laser Rangefinder (optional)

Type: Eyesafe, Class 1  
Wavelength: 1.54  $\mu\text{m}$   
Range: 75 – 20,000 m

## Laser Pointer (optional)

Wavelength: 0.8  $\mu\text{m}$

## Physical Characteristics

Weight (Turret): 29 kg (64lb)  
Dimensions (Turret): (Ø)354mm (14") x (H)500mm (19.7")  
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 (1080p) and PAL

## Environmental Conditions

Temperature: -32 C to +55 C

CONTROP reserves the right to change specifications without prior notice