



# STELLAR SH50

## Thermal Image Scope

HIKMICRO STELLAR SH50 Thermal Image Scope has 384 × 288 thermal detector and 1024 × 768 OLED display, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. The traditional-style 50 mm Tube meets the needs of professional hunters who value traditions and seek technological superiority, ensure an extreme detection range of up to 2600 meters.

### Key Features

- 384 × 288 thermal resolution, high sensitivity detector, NETD < 35 mK (25°C, F# = 1.0)
- Supports audio recording
- Supports recoil-activation recording
- Supports video recording and snapshot, built-in EMMC (64 GB)
- 1024 × 768 resolution 0.39-inch OLED display
- Observation Distance up to 2600 m

## Specification

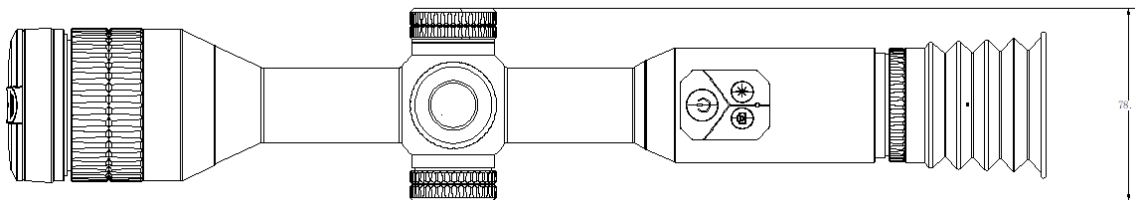
| THERMAL MODULE                   |                                       |
|----------------------------------|---------------------------------------|
| IMAGE SENSOR                     | Uncooled Focal Plane Array            |
| MAX. RESOLUTION                  | 384 × 288                             |
| FRAME RATE                       | 50 Hz                                 |
| PIXEL INTERVAL                   | 12 μm                                 |
| RESPONSE WAVEBAND                | 8 μm to 14 μm                         |
| NETD                             | less than 35 mK (25°C, F# = 1.0)      |
| LENS (FOCAL LENGTH)              | 50 mm                                 |
| DETECTION RANGE                  | 1800 m                                |
| FIELD OF VIEW                    | 5.28° × 3.96°                         |
| MIN. FOCUSING DISTANCE           | 5 m                                   |
| APERTURE                         | F1.0                                  |
| MAGNIFICATION                    | 3.85×                                 |
| IMAGE DISPLAY                    |                                       |
| DISPLAY                          | 1024 × 768, 0.39 inch, OLED           |
| IMAGE MODE                       | Black Hot, White Hot, Red Hot, Fusion |
| FFC (FLAT FIELD CORRECTION) MODE | Auto, Manual, External Correction     |
| EXIT PUPIL                       | 5 mm                                  |
| EYE RELIEF                       | 60 mm                                 |
| DIOPTER (RANGE)                  | -5 D to 5 D                           |
| SYSTEM                           |                                       |
| DIGITAL ZOOM                     | 1X, 2X, 4X, 8X                        |
| CAPTURE SNAPSHOT                 | Yes                                   |
| RECORD VIDEO                     | On-board video recording              |
| RECOIL-ACTIVATION RECORDING      | Yes                                   |
| AUDIO RECORDING                  | Yes                                   |
| STANDBY MODE                     | Yes                                   |
| STORAGE                          | Built-in EMMC (64 GB)                 |
| PIP                              | Yes                                   |
| DPC                              | Yes                                   |

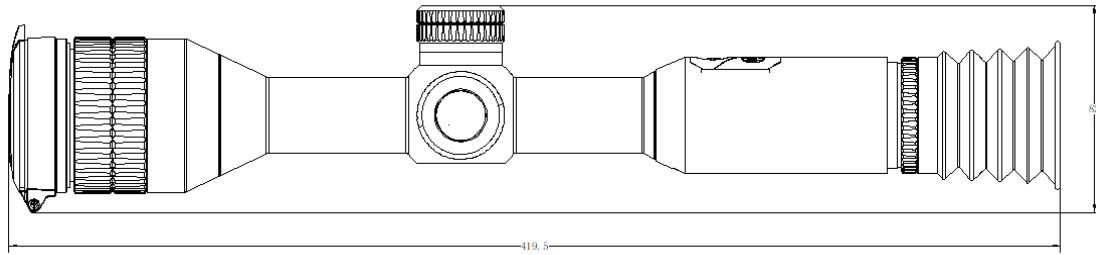
|                                 |   |
|---------------------------------|---|
| HOTSPOT                         | Yes   |
| UNIFORMITY CORRECTION           | Auto, Manual, External Correction   |
| HOT TRACK                       | Yes   |
| RETICLE                         | Yes   |
| <b>POWER SUPPLY</b>             |   |
| BATTERY TYPE                    | Two rechargeable Lithium batteries (internal) and one replaceable CR123A (external) |
| BATTERY OPERATING TIME          | Up to 15 hours continuous running (@25°C, Wi-Fi and CVBS off)                       |
| BATTERY CAPACITY DISPLAY        | Yes   |
| ANTI-REVERSE BATTERY CONNECTION | Yes   |
| OVERVOLTAGE PROTECTION          | Yes   |
| TYPE-C POWER SUPPLY             | 5 VDC/2 A, USB Type-C interface<br>Supports QC3.0                                   |
| <b>GENERAL</b>                  |   |
| WORK TEMPERATURE/HUMIDITY       | -30°C to 55°C (-22°F to 131°F)  |
| PROTECTION LEVEL                | IP67  |
| DIMENSION                       | 419.5 mm × 78.1 mm × 82 mm (16.52" × 3.07" × 3.23")                                 |
| WEIGHT                          | 970 g without eyepiece and CR123A   |

## Available Model

**HM-TR33-50XG/W-SH50**

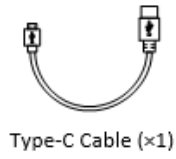
## Dimension





Unit: mm

### Accessory



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This section promotes the HIKMICRO SIGHT mobile application. On the left is the app's icon, which consists of a black square with a white stylized 'H' and a green eye-like shape. Next to it is a smartphone displaying the app's interface. To the right are two QR codes: the first is for the App Store, with the text "Download on the App Store" above it, and the second is for Google Play, with the text "GET IT ON Google Play" above it. Below the app icon and smartphone is the text "HIKMICRO SIGHT".

Three green shield-shaped icons representing product specifications. The first shield contains the text "BATTERY 1 YEAR" with a star below the number. The second shield contains "FULL PRODUCT 3 YEARS" with a star below the number. The third shield contains "DETECTOR 10 YEARS" with a star below the number.

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