



# STELLAR SQ50

## Thermal Image Scope

HIKMICRO STELLAR SQ50 Thermal Image Scope has  $640 \times 512$  thermal detector and  $1024 \times 768$  OLED display, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. The traditional-style 50mm 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

- $640 \times 512$  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)
- $1024 \times 768$  resolution 0.39-inch OLED display
- Observation Distance up to 2600 m

## Specification

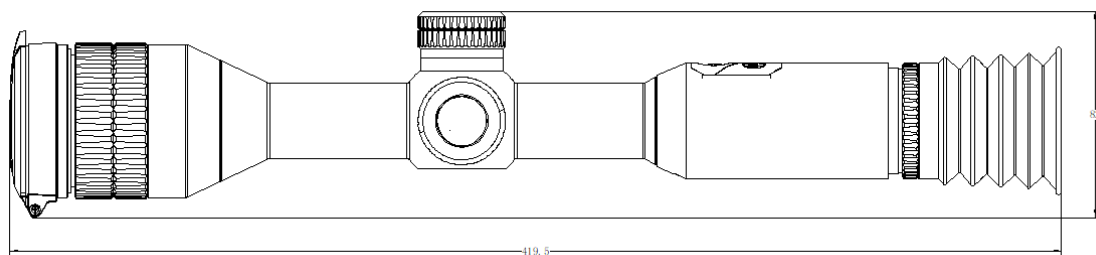
| THERMAL MODULE                   |                                       |
|----------------------------------|---------------------------------------|
| IMAGE SENSOR                     | Uncooled Focal Plane Array            |
| MAX. RESOLUTION                  | 640 × 512                             |
| 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                    | 8.80° × 7.03°                         |
| MIN. FOCUSING DISTANCE           | 5 m                                   |
| APERTURE                         | F1.0                                  |
| MAGNIFICATION                    | 2.31×                                 |
| 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                                   |

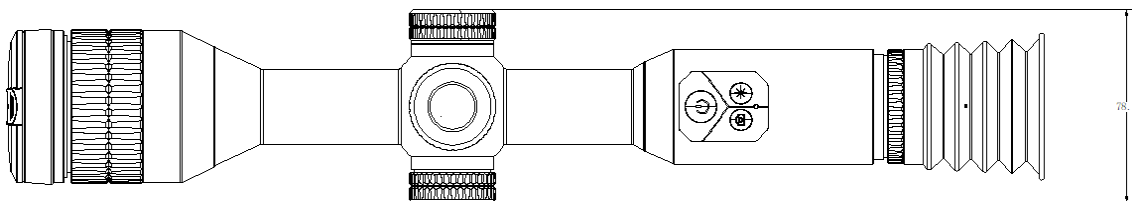
|                                 |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| HOTSPOT                         | Yes                                                                                 |
| 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          | 13 hours continuous running (@25°C, Wi-Fi 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-TR36-50XG/W-SQ50**

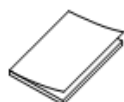
## Dimension





Unit: mm

### Accessory



Quick Start Guide  
(×1)



Battery CR123A (×1)



Type-C Cable (×1)



Dust-free Cloth (×1)



Bag (×1)

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



 HIKMICRO Outdoor  hikmicro\_outdoor  HIKMICRO Outdoor  HIKMICRO  [info@hikmicrotech.com](mailto:info@hikmicrotech.com)  <http://hikmicrotech.com/en>

room 313, unit B, building 2, 399 danfeng road, xixing subdistrict, binjiang district, hangzhou, zhejiang  
@hangzhou microimage software co., Ltd .2020 | data subject to change without notice!