



# HIKMICRO

## STELLAR SQ50

### Thermal Image Scope



HIKMICRO STELLAR SQ50 Thermal Image Scope has 640\*512 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 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\*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\*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	< 35 mK (25°C, F# = 1.0)
Lens (Focal Length)	50 mm
Detection Range	2600 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	1×, 2×, 4×, 8×
Capture Snapshot	Yes
Record Video	On-board video recording
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
Audio Recording	Yes
Recoil-activation Recording	Yes
Max. Recoil	1000g

### Power Supply

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
Power Supply	5 V DC/2 A, USB Type-C interface Supports QC3.0

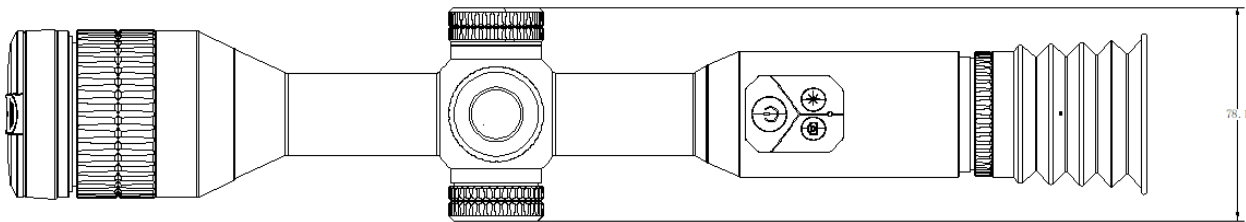
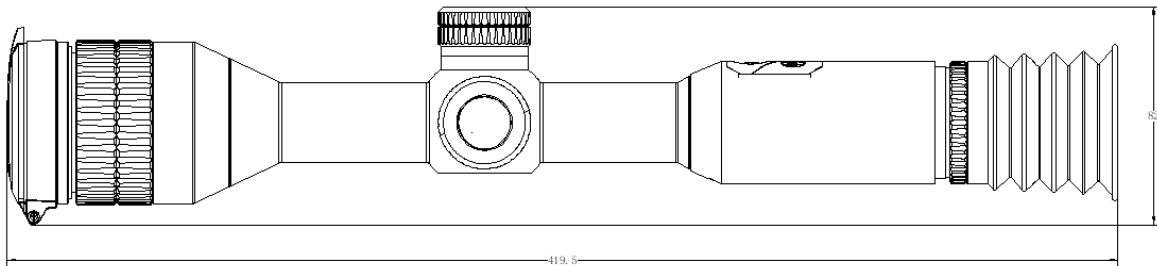
### General

Work Temperature	-30°C to 55°C (-22°F to 131°F)
Protection Level	IP67
Dimension	420mm × 78.1 mm × 82 mm
Weight	970 g without eyepiece and CR123A

### Available Model

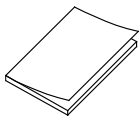
SQ50

### Dimension



Unit: mm

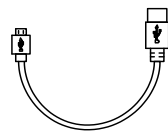
### Accessory



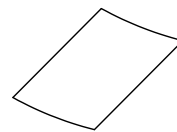
Quick Start Guide  
(x1)



Battery CR123A (x1)



Type-C Cable (x1)



Dust-free Cloth (x1)



Bag (x1)

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