



# 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

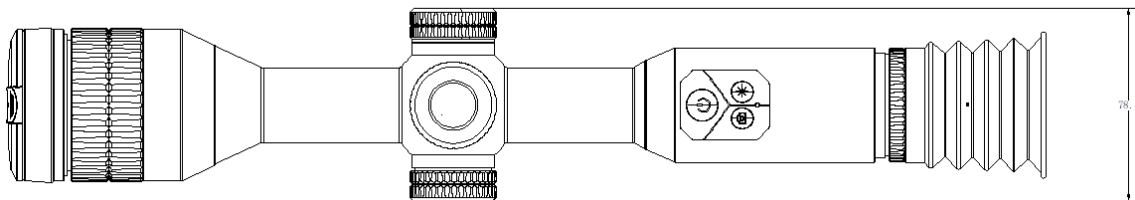
THERMAL MODULE	
IMAGE SENSOR	Uncooled Focal Plane Array
MAX. RESOLUTION	384 × 288
FRAME RATE	50 Hz
PIXEL INTERVAL	12 μm
RESPONSE WAVEBAND	8 μm to 14 μm
NETD	less than 35 mK (25°C, F# = 1.0)
LENS (FOCAL LENGTH)	50 mm
DETECTION RANGE	1800 m
FIELD OF VIEW	5.28° × 3.96°
MIN. FOCUSING DISTANCE	5 m
APERTURE	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

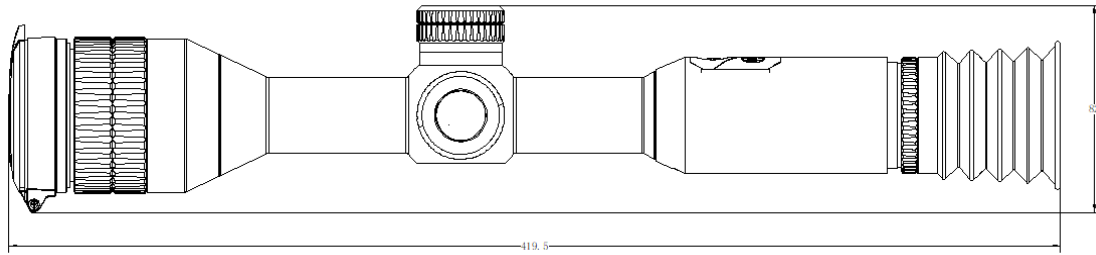
HOTSPOT	Yes
UNIFORMITY CORRECTION	Auto, Manual, External Correction
HOT TRACK	Yes
RETICLE	Yes
<b>POWER SUPPLY</b>	
BATTERY TYPE	Two rechargeable Lithium batteries (internal) and one replaceable CR123A (external)
BATTERY OPERATING TIME	Up to 15 hours continuous running (@25°C, Wi-Fi and CVBS off)
BATTERY CAPACITY DISPLAY	Yes
ANTI-REVERSE BATTERY CONNECTION	Yes
OVERVOLTAGE PROTECTION	Yes
TYPE-C POWER SUPPLY	5 VDC/2 A, USB Type-C interface 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**

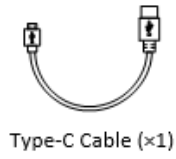
## Dimension





Unit: mm

### Accessory



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HIKMICRO SIGHT



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