

SH50L 3.0

Thermal Scope



HIKMICRO STELLAR SH50L 3.0 Thermal Scope is equipped with a 384×288 @12μm thermal detector, with much higher sensitivity (NETD 15mK) and the latest image processing algorithm (Image Pro 2.0) and shutterless system (HSIS), ensuring users catch the finest details no matter the weather or light conditions without interruption. With a 2560×2560 1.03" AMOLED larger display, SH50L 3.0 makes it easier to spot targets quickly and accurately. The built-in 1000m LRF and ballistic calculation contribute to more accurate shooting. The scope is mainly used for field hunting.

Key Feature

- 384 x 288 resolution @12 μm thermal detector
- High sensitivity thermal module NETD<15 mK (@25°C, F# = 1.0)
- 50 mm, F1.0 lens with detection range up to 2600 m
- 2560 × 2560 resolution 1.03-inch OLED display
- HIKMICRO Shutterless Image System (HSIS)
- Built-in laser rangefinder up to 1000 m, with ballistic calculation
- Rechargeable internal batteries and external battery, 9h continuous operation
- High shock resistance up to 1000 g/0.4 ms

Specification

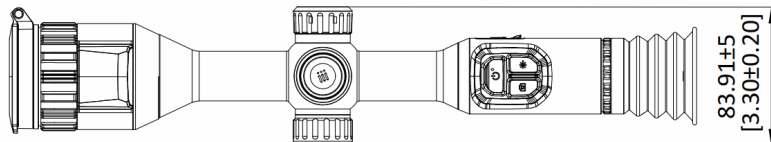
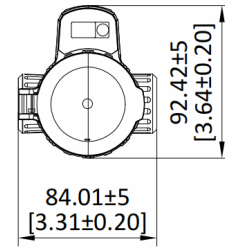
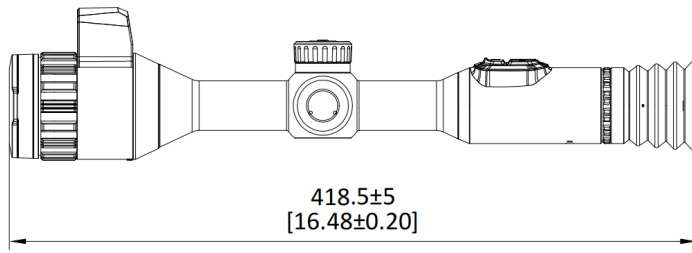
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 15 mK (@25°C, F# = 1.0)
Lens (Focal Length)	50 mm, F1.0
Focus Mode	Focus Ring
Detection Range	2600 m
Min. Focusing Distance	5 m
Magnification	6.0× - 24.0× Support 1× step value of continuous zooming
Field of View(H×V), Degrees / m @100 m	5.3° × 4.0°/9.3m x 7.0m
Image Display	
Display	2560 × 2560, 1.03-inch OLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	6 mm
Eye Relief	45 mm
Diopter (Range)	-5D to 3D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
Zoom Pro	Yes
Image Pro 2.0	Yes
HSIS (HIKMICRO Shutterless Image System)	Yes
System	
Record Video	On-board Video Recording
Capture Snapshot	Yes
Audio Recording	Yes
Recoil-activation Recording	Yes
Standby Mode	Yes
Storage	Built-in EMMC (64 GB)
PIP	Yes
Hotspot	Yes
Hot Track	Yes
Distance Measurement	Yes
Zeroing Profiles	5
Max. Recoil	1000 g/0.4 ms
Freeze Zeroing	Yes
Local Album	Yes
Power Supply	

Battery Type	Two rechargeable Lithium batteries (internal), one replaceable and rechargeable 18650 battery (external)
Battery Operating Time	9 hours continuous running (@-20°C, Zoom Pro, LRF on)
Type-C Power Supply	5 V DC/2 A, USB Type-C interface Supports QC3.0
General	
Mounting	Standard 30 mm
Protection Level	IP67
Dimension	418.5 mm × 84 mm × 92.4 mm
Weight	880 g without external battery
Working Temperature	-30°C to 55°C (-22°F to 131°F)
Center Height	34 mm
Laser Rangefinder	
Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	1000 m
Measurement Accuracy	±1 m
Min. Measuring Range	10 m

Available Model

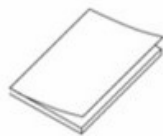
SH50L 3.0

Dimension



Unit: mm[inch]

Accessories



Quick Start Guide
(× 1)



Type-C Cable (×
1)



Lint-free Cloth
(× 1)



Battery (×2)



Battery Charger
(× 1)



Bag (× 1)



Scope Guard (×1)

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HIKMICRO SIGHT



Hikmicro Hunting.Global HIKMICRO Outdoor www.hikmicrotech.com hikmicro hunting.global HIKMICRO info@hikmicrotech.com

Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang
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