SQ50L 4.0

Thermal Image Scope



Key Feature

- 640 × 512 Thermal Detector, 50mm F1.0 Lens
- High sensitivity thermal module NETD < 12 mK
- 1200 m LRF in Lens
- 6000J High Shock Resistance
- 8 mm Exit Pupil & 55mm Eye Relief

Specification

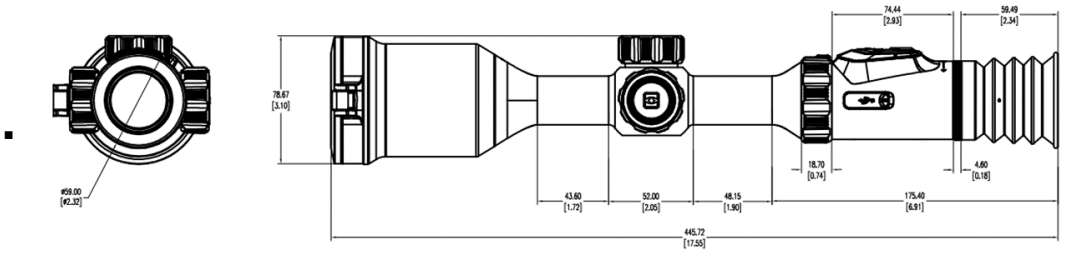
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	640 × 512
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 12 mK
Lens (Focal Length)	50 mm, F1.0
Focus Mode	Side Focus Ring
Detection Range	2600 m
Min. Focusing Distance	10 m
Magnification	3.5× -28.0×
Field of View(H × V), Degrees / m @100m	8.8° × 7.0°/15.2m × 12.2m
Image Display	
Display	2560 × 2560, 1.03 inch AMOLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	8mm
Eye Relief	55mm
Diopter (Range)	-5D to 5D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
HSIS (HIKMICRO Shutterless Image System)	Yes
Image Pro 4.0	Yes
Intelligent Zoom	Yes
Sync Pro	Yes
System	
Record Video	On-board Video Recording
Audio Recording	Yes
Capture Snapshot	Yes
Recoil-activation Recording	Yes
Storage	Built-in EMMC (64 GB)
PIP	Yes
Hotspot	Yes
Distance Measurement	Yes
Zeroing Profiles	5

Freeze Zeroing	Yes
Max. Recoil	6000J
Standby Mode	Yes
Ballistic Calculation	Yes
Local Album	Yes
Power Supply	
Battery Type	Two rechargeable Lithium batteries (internal), one replaceable and rechargeable 18650 battery (external)
Battery Operating Time	9.5-hour continuous running (25°C, LRF on)
Type-C Power Supply	5 V DC/2 A, USB Type-C interface Supports QC3.0 * Only the built-in battery will be charged via the type-C cable. Use the battery charger to charge the external battery.
General	
Mounting	Standard 30 mm
Dimension	439.6 mm × 82.9 mm × 74.3 mm
Weight	1008 g with external battery
Working Temperature	-30°C to 55°C (-22°F to 131°F)
Protection Level	IP67
Center Height	36 mm
Laser Rangefinder	
LRF Module in Lens	Yes
Wavelength	905 nm
Safety Class for Laser	Class 1
Max. Measuring Range	1200 m
Measurement Accuracy	±1 m
Min. Measuring Range	10 m

· Available Model

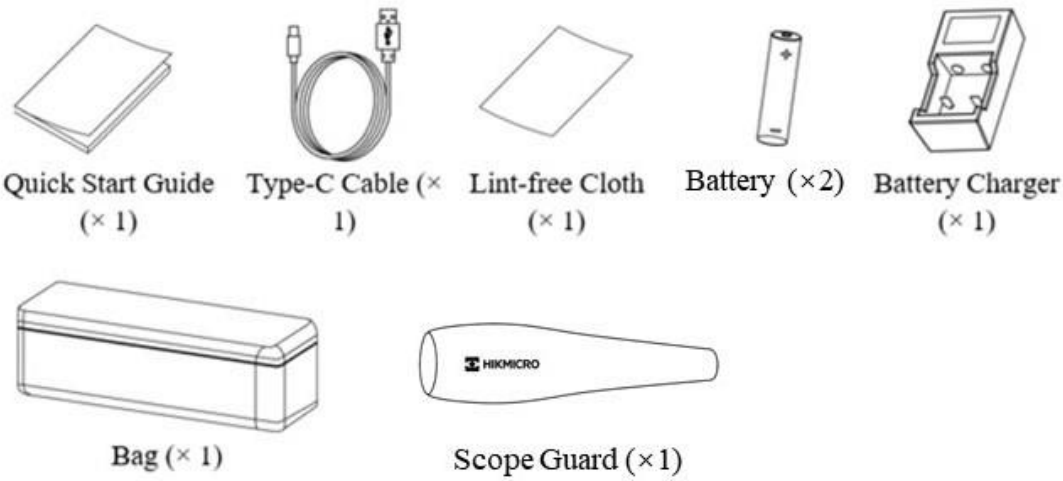
HM-TR86-50Y3G/WL-SQ50L 4.0

· Dimension



Unit: mm

· Accessories



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