SQ50 2.0
Thermal Scope

HIKMICRO SQ50 2.0 (STELLAR 2.0) Thermal Scope is equipped with a 640 × 512 @12 um thermal detector, 50 mm focal length and 1920 × 1080 0.49" semi-round OLED display. Plus a thermal sensitivity of less than 20 mK NETD, SQ50 2.0 ensures perfect image quality and detail recognition even in the hardest weather conditions. The traditional-style 30mm tube design meets the needs of professional hunters who value traditions and seek technological superiority. The scope is mainly applied to forest & field hunting, searching and rescuing scenarios.

Key Feature

- 640 × 512 resolution @12μm thermal detector
- High sensitivity thermal module NETD < 20 mK (@25°C, F# = 1.0)
- 50 mm, F1.0 lens with detection range up to 2600 m
- 1920 × 1080 resolution 0.49-inch OLED display
- 11h+ continuous operation
- Rechargeable internal batteries and external battery
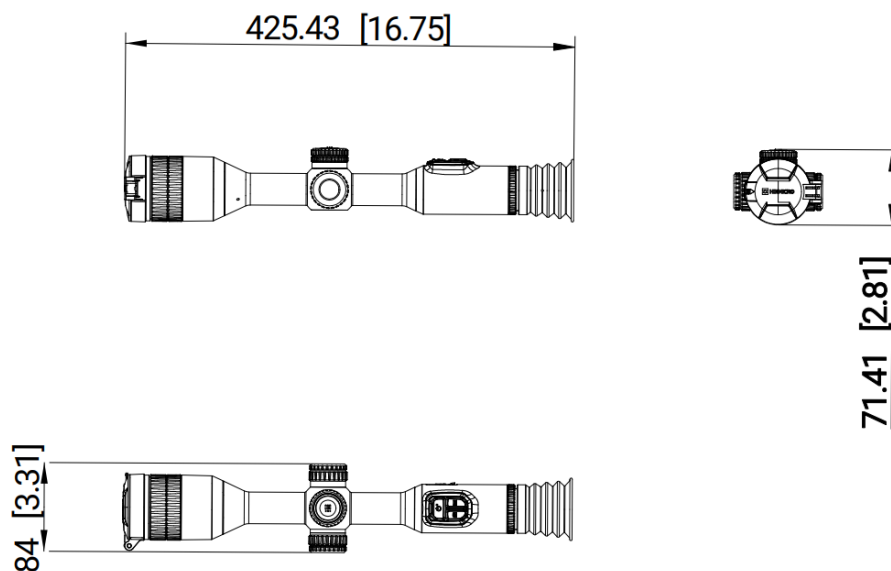- High shock resistance up to 1000 g/0.4 ms

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 20 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	3.3x to 26.4x (8x) Supports continuous zooming
Field of View (H × V), Degrees / m @100 m	8.8° × 5.3°/15.4 m × 9.2 m
Image Display	
Display	1920 × 1080, 0.49-inch OLED
Palettes	Black Hot, White Hot, Red Hot, Fusion
FFC (Flat Field Correction) Mode	Auto, Manual, External Correction
Exit Pupil	6 mm
Eye Relief	55 mm
Diopter (Range)	-5D to 5D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
Image Pro	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
Freeze Zeroing	Yes

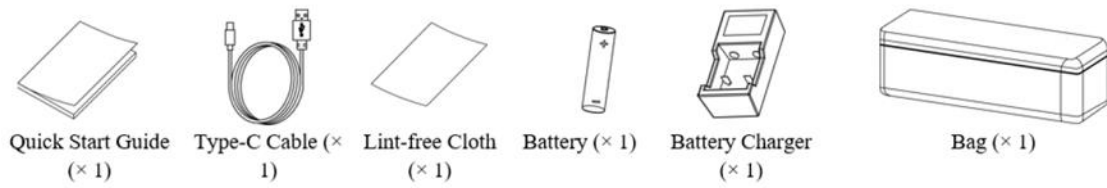|	
Max. Recoil	1000 g/0.4 ms
Power Supply	
Battery Type	Two rechargeable Lithium batteries (internal), one replaceable and rechargeable 18650 battery (external)
Battery Operating Time	11 hours continuous running (@25°C, Wi-Fi off)
Type-C Power Supply	DC 5 V/2 A, USB Type-C interface Supports QC3.0
General	
Protection Level	IP67
Mounting	Standard 30 mm
Dimension	425.4 mm × 84 mm × 71.4 mm
Working Temperature	-30°C to 55°C (-22°F to 131°F)
Weight	950 g without external battery

· Available Model

HM-TR36-50S2G/W-SQ50 2.0

· Dimension

Unit: mm [inch]

· Accessories

Quick Start Guide (× 1)   Type-C Cable (× 1)   Lint-free Cloth (× 1)   Battery (× 1)   Battery Charger (× 1)   Bag (× 1)

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HIKMICRO

HIKMICRO SIGHT

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BATTERY **1** YEAR

FULL PRODUCT **3** YEARS

DETECTOR **10** YEARS