

Product Datasheet - Technical Specifications



More information in our Web-Shop at ► www.meilhaus.com

Your contact

Technical and commercial sales, price information,
quotations, demo/test equipment, consulting:

Tel.: **+49 - (0)81 41 - 52 71-0**

E-Mail: sales@meilhaus.com

Meilhaus Electronic GmbH
Am Sonnenlicht 2
82239 Alling/Germany

Tel. **+49 - (0)81 41 - 52 71-0** E-
Mail sales@meilhaus.com

Mentioned company and product names may be registered trademarks of the respective companies. Errors and omissions excepted. © Meilhaus Electronic.

www.meilhaus.com

CQ50L 2.0

Thermal Monocular



HIKMICRO CONDOR LRF 2.0 handheld thermal monocular is equipped with a $640 \times 512 @12 \mu\text{m}$ thermal detector with much higher sensitivity ($\text{NETD} < 15 \text{ mK}$), ensuring the finest details catching no matter the weather or light conditions. A 0.49" 1920×1080 larger OLED display and the innovative shutterless system (HSIS) provide an immersive and smooth viewing experience. The laser rangefinder ensures precise distance measurement within the range of 1000 m. Maintaining the traditional premium cylindrical shape design, the monocular can be applied mainly in forest & field hunting, birding, animal searching, rescuing and marine scenarios.

Key Feature

- High sensitivity thermal module $\text{NETD} < 15 \text{ mK}$ (@ 25°C , $F\#=1.0$)
- 640×512 resolution with $12 \mu\text{m}$ detector
- 1920×1080 resolution 0.49-inch OLED display
- 50 mm, $F0.9$ lens with detection range up to 2600 m
- HIKMICRO Shutterless Image System (HSIS)
- 6.5 h+ continuous operation time with replaceable and rechargeable 21700 battery
- 537 g lightweight, ergonomic compact shape
- Integrated laser rangefinder up to 1000 m

Specification

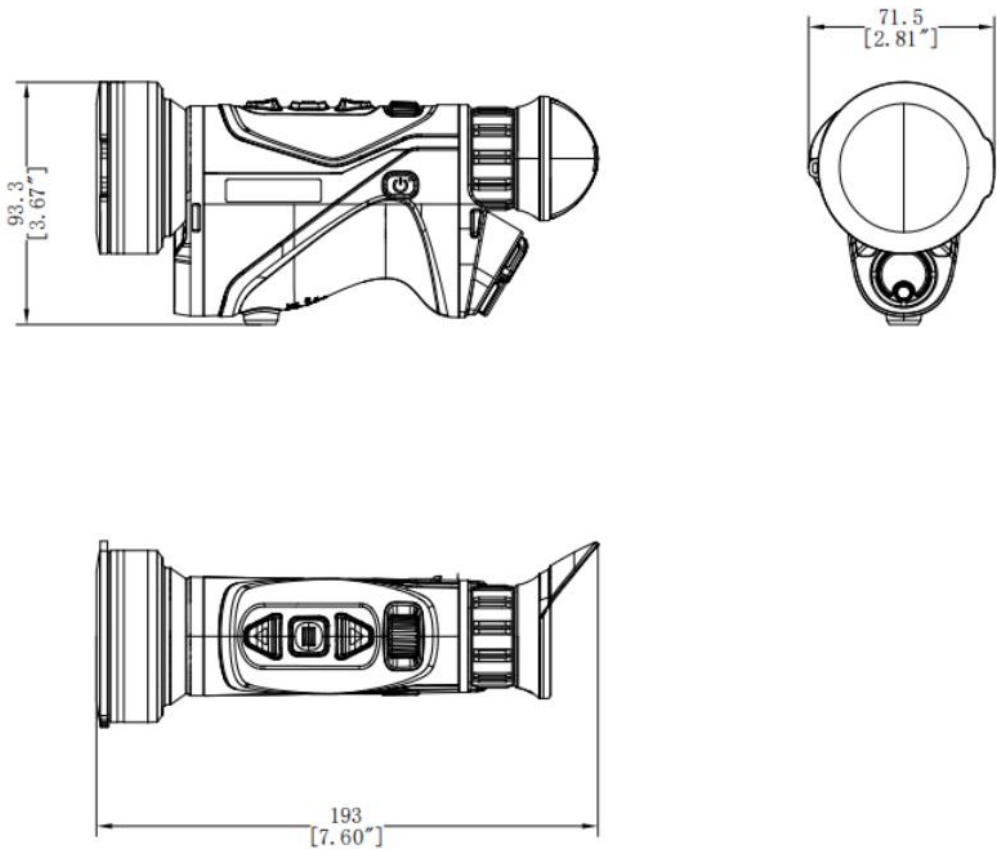
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	640 × 512
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 15 mK (@25°C), F#=1.0
Lens (Focal Length)	50 mm, F0.9
Focus Mode	Rear Focus Wheel
Detection Range	2600 m
Min. Focusing Distance	5.0 m
Magnification	2.7 × to 21.6 × (8 ×)
Field of View(H × V), Degrees / m @100 m	8.7° × 7.0°/15.2 m × 12.2 m @100 m
Image Display	
Display	1920 × 1080, 0.49 inch, OLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	8 mm
Eye Relief	15 mm
Diopter (Range)	-5 D to +3 D
Brightness Adjustment	Yes
Tone Adjustment	Cold, warm
Contrast Adjustment	Yes
Image Pro 2.0	Yes
Zoom Pro	Yes
HSIS (HIKMICRO Shutterless Image System)	Yes
System	
Record Video	Yes
Capture Snapshot	Yes
Audio Recording	Yes
Standby Mode	Yes
Storage	Built-in Module (64 GB)
PIP	Yes
Hotspot	2.4/5 G WiFi Waveband
Hot Track	Yes
Distance Measurement	Yes
Local Album	Yes
Power Supply	
Battery Type	Replaceable and rechargeable 21700 battery
Battery Operating Time	≥6.5 h (@25°C, WiFi, Zoom Pro, LRF on)
Type-C Power Supply	5 V DC, 2 A Supports External Power Supply, Support Direct Charging

General	
Protection Level	IP67
Dimension	193 mm × 71.5 mm × 93.3 mm
Work Temperature	From -30°C to 55°C (-22°F to 131°F); Humidity: 90% or Less
Weight	537 g with Battery
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

HM-TSD6-50S2G/W1L-CQ50L 2.0

Dimension



Unit: mm [Inch]

Accessories



Protective Bag (×1)



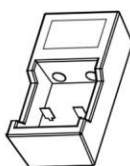
Quick Start Guide (×1)



Lint-Free Cloth (×1)



Type-C Cable (×1)



Battery Charger (×1)



Battery (×2)



Neck Strap (×1)



Hand Strap (×1)

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.