

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

LH15 2.0

Thermal Monocular



Featuring an impressive field of view spanning 43 meters, equipped with 384 sensors and boasting a 12 micrometer pixel pitch of high thermal sensitivity of NETD < 20 mK, the LH15 2.0 is designed to elevate the excitement of every forest hunter with a manual focus feature. Not only that, but field hunters will also appreciate its remarkable detection range, reaching up to 750 meters.

Key Feature

- High sensitivity thermal module NETD < 20 mK (@25°C, F# = 1.0)
- 384 × 288 resolution with 12 μm detector
- 1024 × 768 resolution 0.39-inch OLED display
- Replaceable and rechargeable Li-ion battery
- 270 g lightweight, with a compact and ergonomic design
- Up to 6.5 hours of continuous operation

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 20 mK (@25°C, F# = 1.0)
Lens (Focal Length)	15 mm, F1.0
Focus Mode	Focus Free
Detection Range	750 m
Min. Focusing Distance	1.5 m
Magnification	1.4× to 11.2× (8×)
Field of View(H × V), Degrees / m @100 m	17.5° × 13.1° / 30.8 m × 23.0 m
Image Display	
Display	1024 × 768, 0.39-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	20 mm
Diopter (Range)	-5D to +3D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
System	
Record Video	Yes
Capture Snapshot	Yes
Audio Recording	Yes
Standby Mode	Yes
Storage	Built-in EMMC (16 GB)
PIP	Yes
Hotspot	Yes
Hot Track	Yes
Distance Measurement	Yes
Power Supply	
Battery Type	Replaceable and Rechargeable Li-ion Battery
Battery Operating Time	6.5-hour continuous running with CVBS and hotspot function off (@25°C)
Type-C Power Supply	DC 5 V/2 A Supports External Power Supply

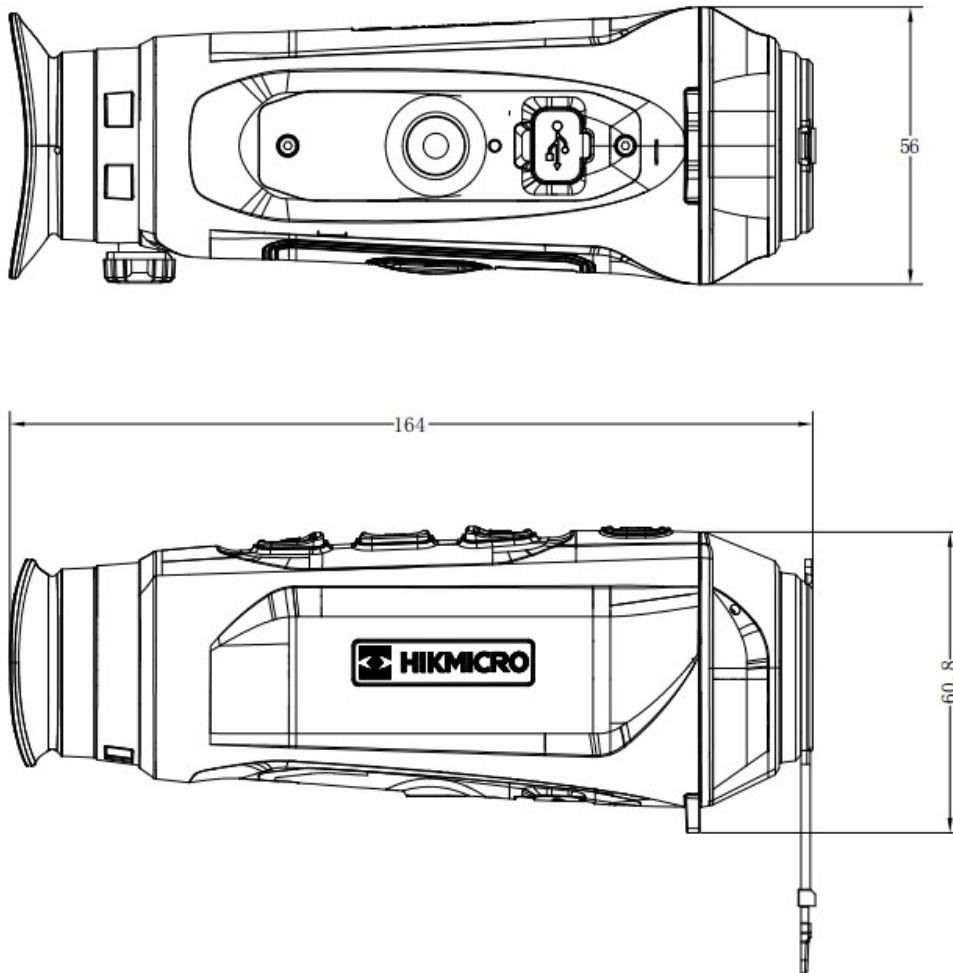
General

Protection Level	IP67
Dimension	164.0 mm × 56.0 mm × 60.8 mm
Working Temperature	-30°C to +55°C
Weight	272 g without battery

▪ Available Model

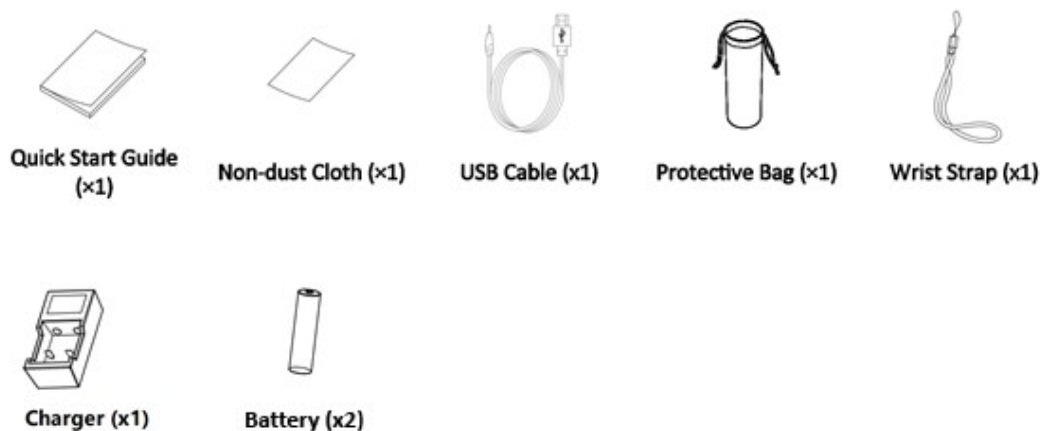
HM-TS83-15S1GW-LH15 2.0

▪ Dimension



Unit: mm

▪ Accessories



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.