

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

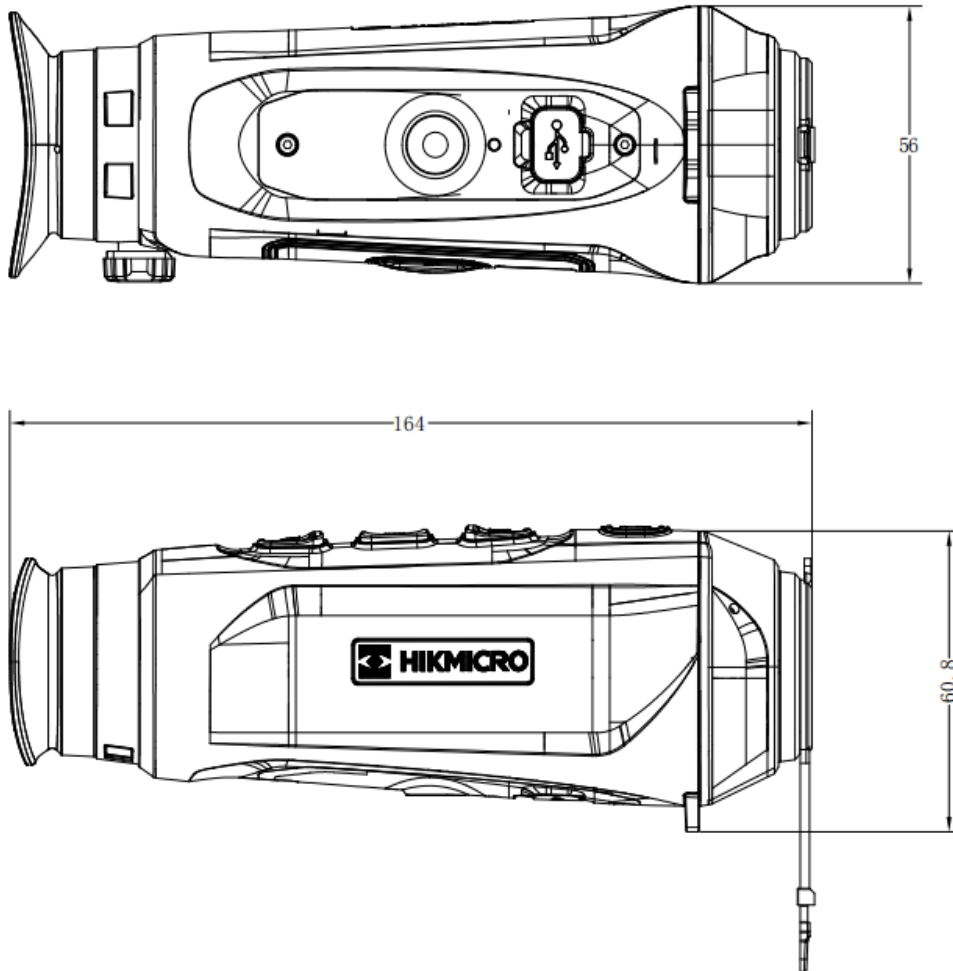
General

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

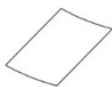


Unit: mm

• Accessories



**Quick Start Guide
(x1)**



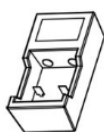
Non-dust Cloth (x1)



USB Cable (x1)



Wrist Strap (x1)



Charger (x1)



Cell (x2)

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