

# 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

| <b>Thermal Module</b>                       |  |
|---|--|
| 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),<br>Degrees / m @100 m | 17.5° × 13.1° / 30.8 m × 23.0 m  |
| <b>Image Display</b>                        |  |
| Display                                     | 1024 × 768, 0.39-inch, OLED  |
| Palettes                                    | Black Hot, White Hot, Red Hot, Fusion                                  |
| FFC (Flat Field Correction)<br>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  |
| <b>System</b>                               |  |
| 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  |
| <b>Power Supply</b>                         |  |
| 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<br>Supports External Power Supply                           |

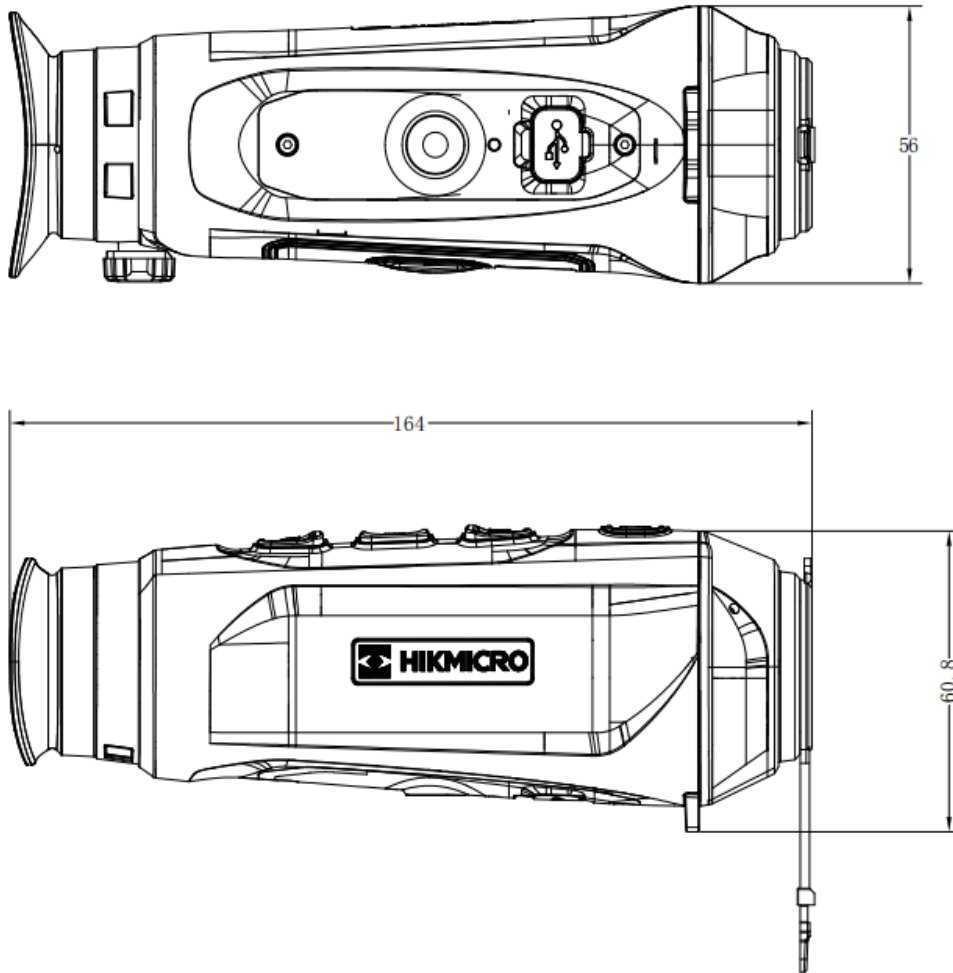
### General

|                     |                              |
|---------------------|------------------------------|
| 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

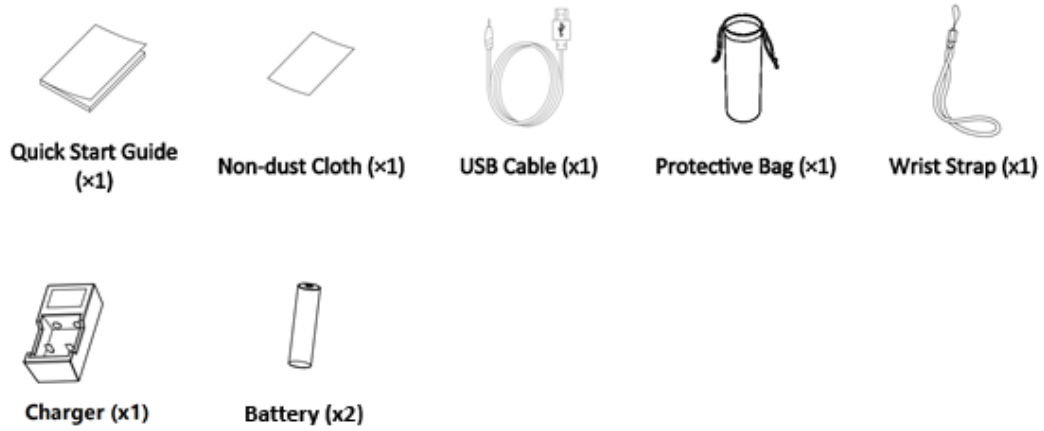
HM-TS83-15S1GW-LH15 2.0

## • Dimension



Unit: mm

## • Accessories



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