

# LH35 2.0

## Thermal Monocular



Featuring the 3.3x base magnification and a field of view 13 meters @100 meters, the LH35 2.0 is equipped with 384 sensors, a 12-micrometer pixel pitch, and 20 mK high thermal sensitivity detectors. It is designed to elevate the excitement of every hunter, whether in the forest or field, with a remarkable detection range, reaching up to 1800 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
- 338 g lightweight, with a compact and ergonomic design
- Up to 6.5 hours of continuous operation

## •Specification

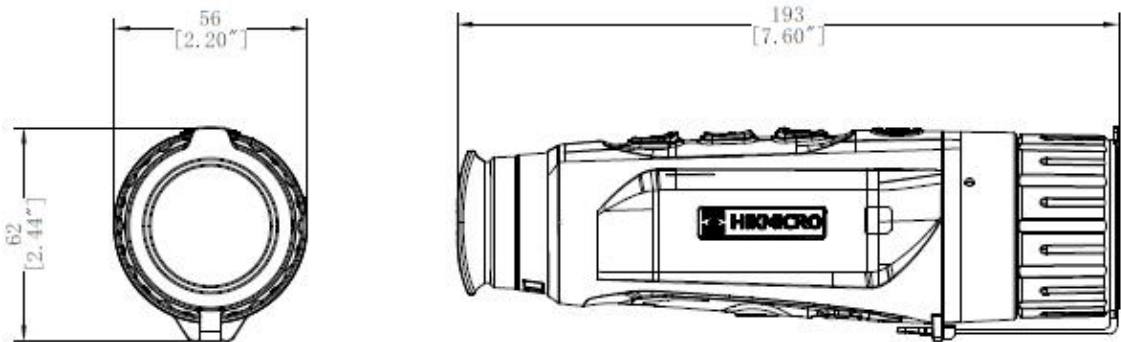
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 20 mK (@25°C), F# = 1.0
Lens (Focal Length)	35 mm, f1.0
Focus Mode	Manual Focus
Detection Range	1800 m
Min. Focusing Distance	3.5 m
Magnification	3.3 × to 26.4 × (8 ×)
Field of View(H × V), Degrees / m @100 m	7.5° × 5.7°/13.1 m × 10.0 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)	-5 D to +3 D
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	5 VDC, 2 A Supports External Power Supply
General	
Protection Level	IP67
Dimension	193.0 mm × 56.0 mm × 62.0 mm

Weight	338 g without battery
Working Temperature	-30°C to +55°C

•Available Model

HM-TS83-35S1GW-LH35 2.0

•Dimension



Unit: mm [Inch]

## •Accessories



**Quick Start Guide  
(x1)**



**Non-dust Cloth (x1)**



**USB Cable (x1)**



**Protective Bag (x1)**



**Wrist Strap (x1)**



**Charger (x1)**



**Cell (x2)**

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Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang  
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