



## HH35L

# Multi-Spectrum Binocular

HIKMICRO HABROK HH35L multi-spectrum binocular is equipped with a  $384 \times 288$  @12  $\mu\text{m}$  thermal detector and a  $2560 \times 1440$  optical detector. With less than 20 mK NETD, which represents high thermal sensitivity, it ensures perfect image quality and detail recognition even in the hardest weather conditions. Its 1000 m Laser rangefinder can accurately measure the distance when you are stalking or observing under low-light conditions. It can be applied mainly in forest & field hunting, birding, animal searching, rescuing and marine scenario.

## Key Feature

- $384 \times 288$  resolution @12  $\mu\text{m}$  thermal detector
- High sensitivity thermal module NETD < 20 mK (@25°C, F# = 1.0)
- 35 mm, F1.0 lens with thermal detection range up to 1800 m
- $2560 \times 1440$  high resolution CMOS detector
- $1920 \times 1080$  resolution 0.49-inch OLED display
- Built-in 850 nm IR illuminator and Laser Rangefinder of 1000 m measuring distance
- 6 h+ continuous operation
- 780 g lightweight, compact and ergonomic design

# Specification

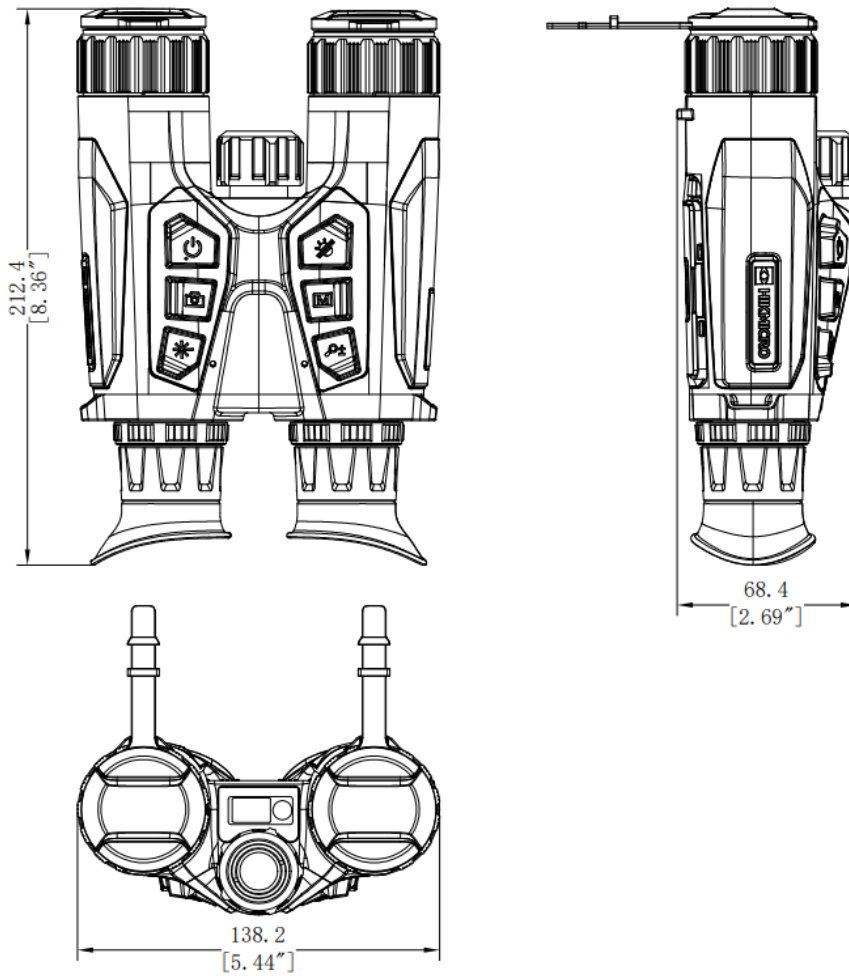
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 20 mK (@25°C), F# = 1.0
Lens (Focal Length)	35 mm, F1.0
Focus Mode	Focus Ring
Detection Range	1800 m
Min. Focusing Distance	3.5 m
Magnification	4.0x to 32x (8x)
Field of View(H × V), Degrees/m @100 m	7.5° × 5.7°/13.2 m × 9.9 m
Optical Module	
Image Sensor	1.88" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Focal Length	31 mm, F1.2
Min. Working Distance	3 m
Min. Illumination	0.001 lux @ (F1.0 , AGC On)
Focus Mode	Focus Ring
Magnification	2.9x to 23.2x (8x)
Field of View (H × V), Degrees/m @100 m	13.9° × 7.8°/24.4 m × 13.6 m
Smart IR	Yes
Viewing Range at Night	400 m
Image Display	
Display	0.49 inch, OLED, 1920 × 1080
Palettes	Thermal: Black Hot, White Hot, Red Hot, Fusion; Optical: Day, Night, Auto
FFC (Flat Field Correction) Mode	Auto, Manual, External Correction
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
Zoom Pro	Yes

<b>System</b>	
Record Video	Yes
Capture Snapshot	Yes
Audio Recording	Yes
Standby Mode	Yes
Storage	Built-in EMMC (64 GB)
PIP	Yes
Hotspot	Yes
Hot Track	Yes
Digital Magnetic Compass	Yes
GPS	Yes
Local Album	Yes
<b>Power Supply</b>	
Battery Type	Replaceable and Rechargeable Li-ion Battery
Battery Operating Time	≥6 h (25°C, with hotspot off)
Type-C Power Supply	5 V DC, 2 A Supports External Power Supply
<b>General</b>	
Protection Level	IP67
Dimension	138.2 mm × 68.4 mm × 212.4 mm (5.4" × 2.7" × 8.4")
Weight	780 g without batteries
Working Temperature	-30°C to +55°C
Interpupillary Adjustment Range	60 mm to 70 mm
Mounting Adapter	1/4"-20-UNC
<b>Laser Rangefinder</b>	
Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	1000 m
Measurement Accuracy	±1 m
Min. Measuring Range	10 m
<b>Infrared Illuminator</b>	
Emitter	LED
IR Wavelength	850 nm
Beam Angle	Adjustable 7.6 to 11.5°

## • Available Model

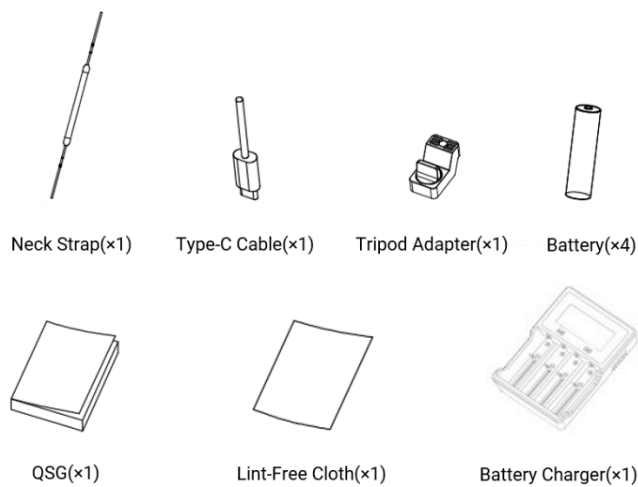
HM-TS73-35S2G/WLVE-HH35L


## Dimension



Unit: mm [Inch]

## 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.



 HIKMICRO Outdoor  hikmicro\_outdoor  HIKMICRO Outdoor  HIKMICRO  [info@hikmicrotech.com](mailto:info@hikmicrotech.com)  <http://hikmicrotech.com/en>

Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang  
@hangzhou microimage software co.,Ltd .2020 | data subject to change without notice!