HIKMICRO

HH35LN
Multi-Spectrum Binocular

HIKMICRO HABROK HH35LN multi-spectrum binocular is equipped with a 384 × 288 @12 um thermal detector and a 2560 × 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 scenarios.

Key Feature

- 384 × 288 resolution @12 μm 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 × 1440 high resolution CMOS detector
- 1920 × 1080 resolution 0.49-inch OLED display
- Built-in 940 nm IR illuminator and Laser Rangefinder of 1000 m measuring distance
- 6 h+ continuous operation
- 780 g lightweight, compact and ergonomic design

Specification

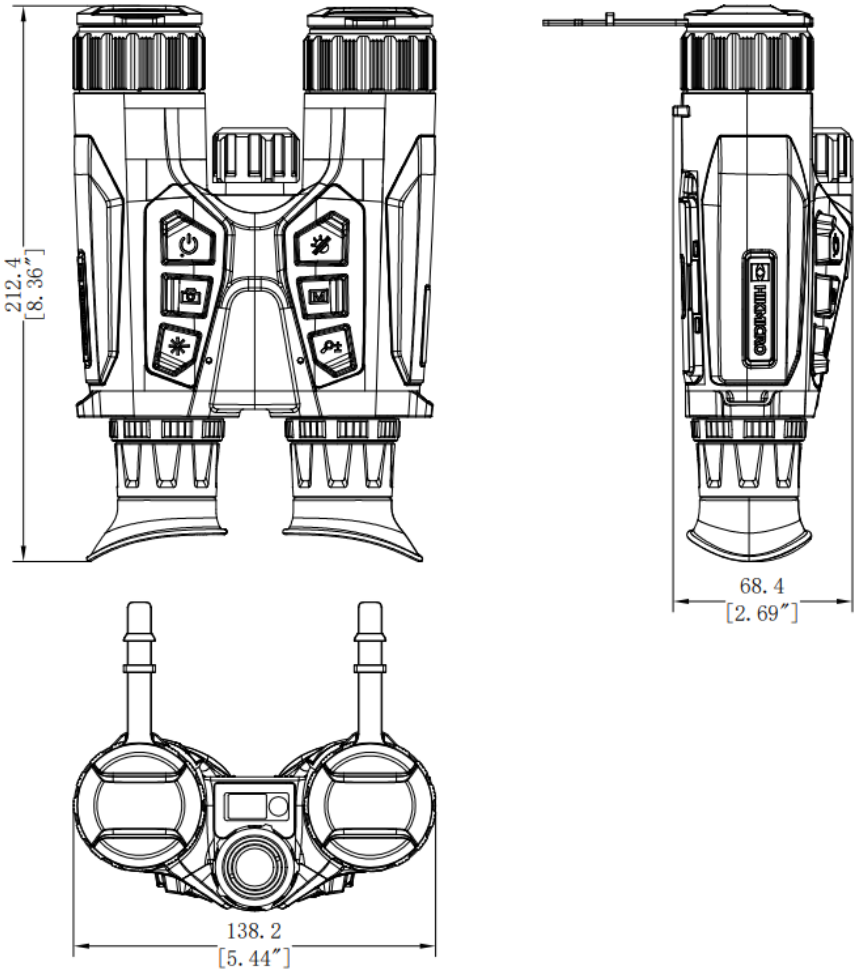
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 20 mK (@25°C), F# = 1.0
Lens (Focal Length)	35 mm, F1.0
Focus Mode	Focus Ring
Detection Range	1800 m
Min. Focusing Distance	3.5 m
Magnification	4.0× to 32× (8×)
Field of View(H × V), Degrees/m @100 m	7.5° × 5.7°/13.2 m × 9.9 m
Optical Module	
Image Sensor	1/1.8" 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	2.9× to 23.2× (8×)
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	350 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
System	
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
Power Supply	
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
General	
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
Laser Rangefinder	
Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	1000 m
Measurement Accuracy	±1 m
Min. Measuring Range	10 m
Infrared Illuminator	
Emitter	LED
IR Wavelength	940 nm
Beam Angle	Adjustable 7.6 to 11.5°

· Available Model

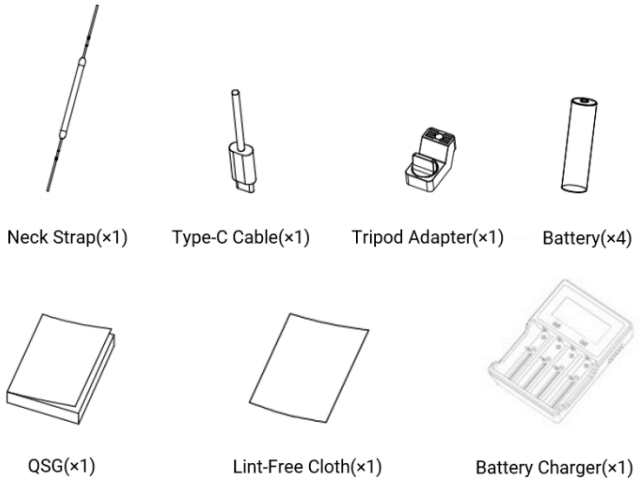
HM-TS73-35S2G/WLVN-HH35LN

·Dimension



Unit:mm[Inch]

· Accessories



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government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.

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BATTERY 1 YEAR

FULL PRODUCT 3 YEARS

DETECTOR 10 YEARS

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