

HQ35L 5.5-22x60 Multi-Spectrum Binocular



HIKMICRO HABROK 4K HQ35L 5.5-22x60 multi-spectrum binocular is equipped with an 20 mK NETD, 640 × 512 thermal detector @35 mm thermal lens and an advanced 4K digital detector with 60 mm lens, ensuring perfect image quality and detail recognition in various weather and light conditions. Combined with a 1000 m Laser rangefinder and two replaceable IR emitters, this all-in-one binocular can be applied mainly in forest & field hunting, birding, animal searching, rescuing and marine scenario.

Key Feature

- 640 × 512 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
- 3840 × 2160 4K ultra high-resolution CMOS detector
- 1920 × 1080 resolution 0.49-inch OLED display
- Two 850 nm & 940 nm replaceable IR illuminators and Laser Rangefinder of 1000 m distance
- 8 h+ continuous operation time with replaceable battery
- 798 g lightweight, with a compact and ergonomic design

•Specification

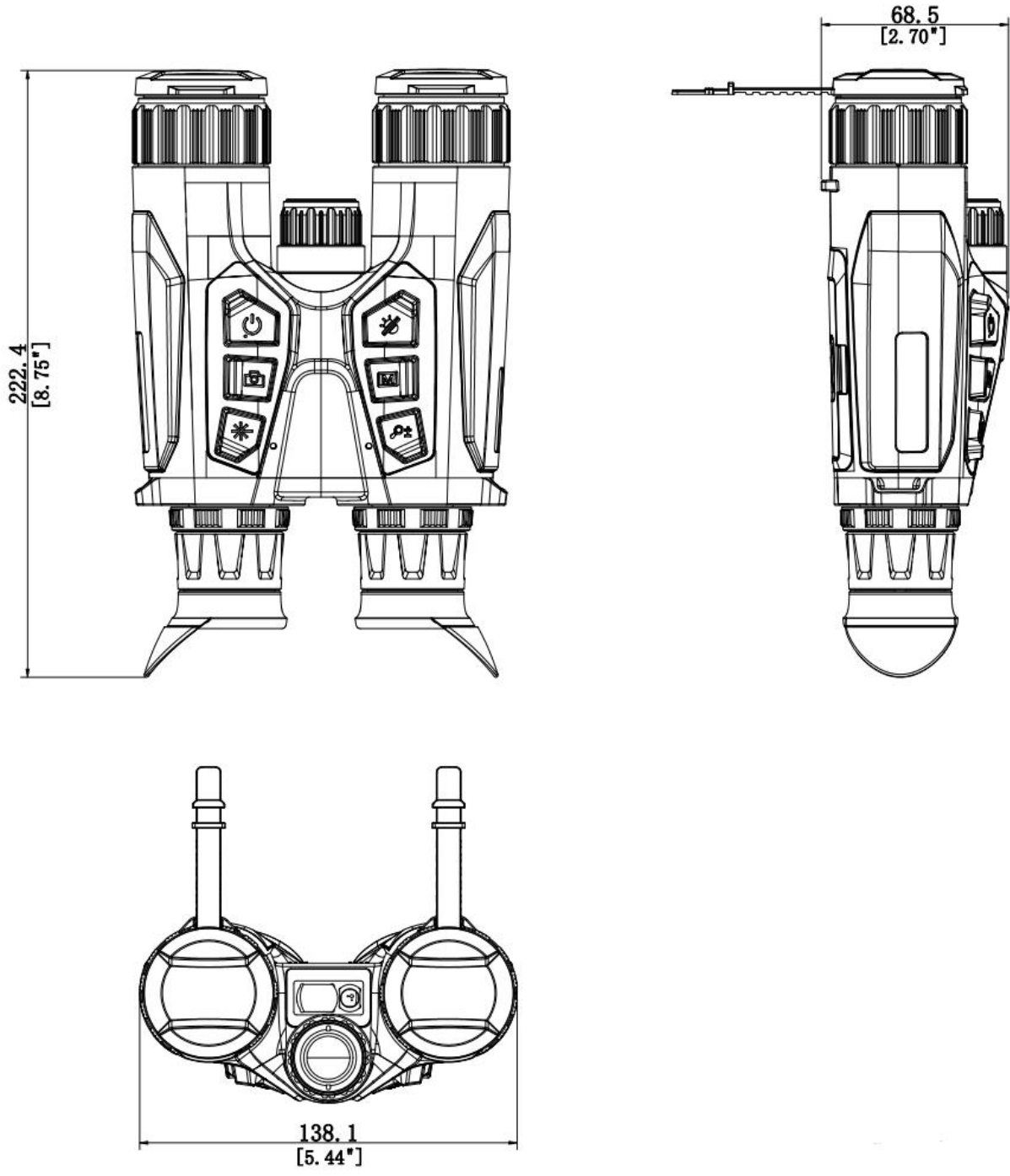
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	640 × 512
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 20 mK (@25°C), F#=1.0
Lens (Focal Length)	35 mm, F1.0
Focus Mode	Focus Ring
Detection Range	1800 m
Min. Focusing Distance	3.5 m
Magnification	3.0 × to 22.0 × (7.3 ×)
Field of View(H × V), Degrees / m @100 m	12.5° × 10.1° / 22.0 m × 17.6 m
Optical Module	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Focal Length	60 mm, F2.2
Min. Working Distance	3 m
Focus Mode	Focus Ring
Magnification	5.5 × to 22.0 × (4 ×)
Field of View (H × V), Degrees / m @100 m	7.3° × 4.1° / 12.6 m × 7.2 m
Smart IR	Yes
IR Illuminator Wavelength	940 nm (default) and 850 nm (replaceable)
Viewing Range at Night	400 m
Replaceable IR Illuminator	Yes
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 18650 Battery
Battery Operating Time	≥8 h (25°C, with hotspot off)
Type-C Power Supply	5 V DC, 2 A Support External Power Supply, Support Direct Charging
General	
Protection Level	IP67
Dimension	138.1 mm × 68.5 mm × 222.4 mm (5.44" × 2.7" × 8.75")
Working Temperature	-30°C ~ +55°C
Weight	798 g without battery
Interpupillary Adjustment Range	60 mm to 74 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

• Available Model

HM-TS96-35S2G/W1LVE-HQ35L

•Dimension



Unit: mm [Inch]

Accessories



Neck Strap (× 1)



Type-C Cable (× 1)



Tripod Adapter (× 1)



Battery (× 4)



Replaceable IR Illuminator (940 nm) (× 1)



QSG (× 1)



Lint-Free Cloth (× 1)



Battery Charger (× 1)



Binocular Harness (× 1)

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 SIGHT



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