

HQ35L 5.5-22x60 Multi-Spectrum Binocular



HIKMICRO HABROK 4K HQ35L 5.5-22x60 multi-spectrum binocular is equipped with a 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

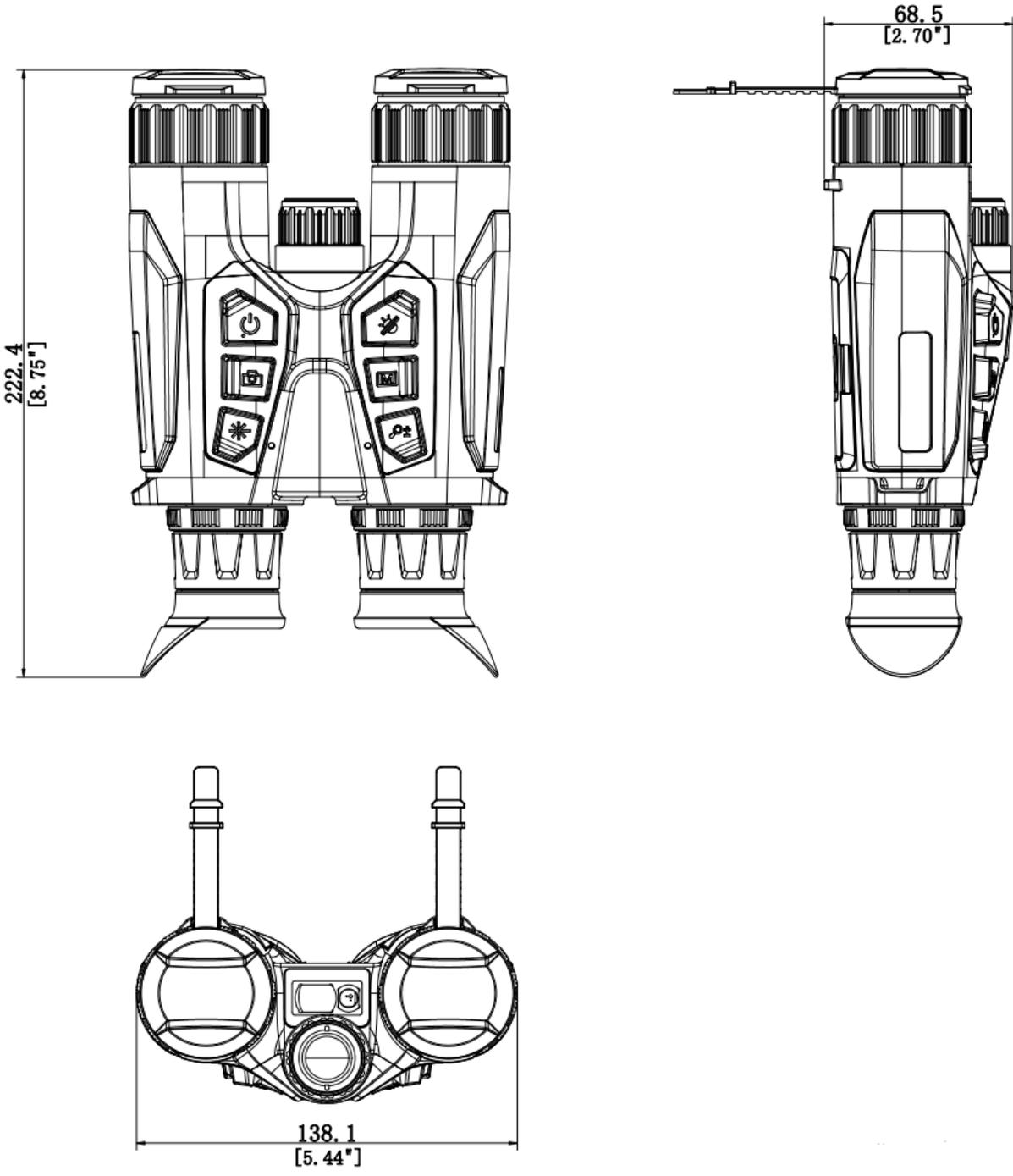
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	640 × 512
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 20 mK (@25°C), F#=1.0
Lens (Focal Length)	35 mm, F1.0
Focus Mode	Focus Ring
Detection Range	1800 m
Min. Focusing Distance	3.5 m
Magnification	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

HQ35L 5.5-22x60

•Dimension



Unit: mm [Inch]

Accessories



Neck Strap (x 1)



Type-C Cable (x 1)



Tripod Adapter (x 1)



Battery (x 4)



Replaceable IR Illuminator (850 nm) (x 1)



QSG (x 1)



Lint-Free Cloth (x 1)



Battery Charger (x 1)



Binocular Harness (x 1)

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