



HQ35L Multi-Spectrum Binocular



HIKMICRO HABROK HQ35L multi-spectrum binocular is equipped with a 640 x 512 @12 μ m thermal detector and a 2560 x 1440 optical detector. With less than 20mK NETD, which represents high thermal sensitivity, it ensures perfect image quality and detail recognition even in the hardest weather conditions. Its 1000m 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.

- 640 x 512 resolution @12 μ m thermal detector
- High sensitivity thermal module NETD < 20 mK (@25°C, F# = 1.0)
- 35mm, F1.0 lens with thermal detection range up to 1800m
- 2560 x 1440 high resolution CMOS detector
- 1920 x 1080 resolution 0.49-inch OLED display
- Built-in 850nm IR illuminator and Laser Rangefinder of 1000m measuring distance
- 6h+ continuous operation
- 780g lightweight, compact and ergonomic design

▪ Specification

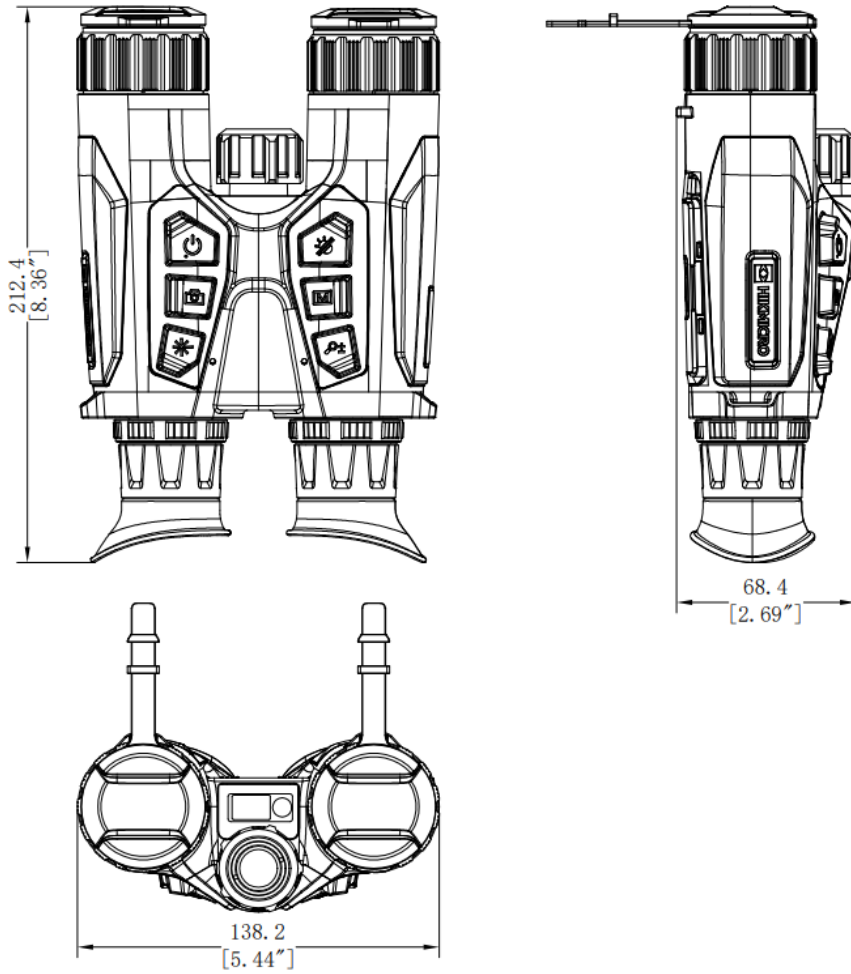
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	640 x 512
Frame Rate	50Hz
Pixel Interval	12μm
Response Waveband	8μm to 14μm
NETD	Less than 20 mK (@25°C),F#=1.0
Lens (Focal Length)	35mm, F1.0
Focus Mode	Focus Ring
Detection Range	1800m
Min. Focusing Distance	3.5m
Magnification	3.0x-24.0x (8x)
Field of View(H × V), Degrees / m @100m	12.5°×10.1° / 22.0m×17.6m
Optical Module	
Image Sensor	1.88" Progressive Scan CMOS
Max. Resolution	2560 x 1440
Focal Length	31mm, F1.2
Min. Working Distance	3m
Min. Illumination	0.001 lux @ (F1.0 , AGC On)
Focus Mode	Focus Ring
Magnification	2.9x-23.2x (8x)
Field of View (H × V), Degrees/m @100 m	13.9°x7.8° / 24.4m × 13.6m
Smart IR	Yes
IR Illuminator Wavelength	850nm
Viewing Range at Night	400m
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	8mm
Eye Relief	15mm
Diopter (Range)	-5D~+3D
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	≥6h (25 °C, with hotspot off)
Type-C Power Supply	5V 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")
Working Temperature	-30°C ~ +55°C
Weight	780g without batteries
Mounting Adapter	1/4"-20-UNC
Laser Rangefinder	
Safety Class for Laser	Class 1
Wavelength	905nm
Max. Measuring Range	1000m
Measurement Accuracy	±1m
Min. Measuring Range	10m

▪ Available Model

HM-TS76-35S2G/WLVE-HQ35L

▪ Dimension



Unit:mm [Inch]



Neck Strap(x1)



Type-C Cable(x1)



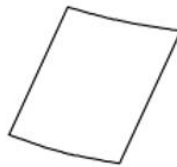
Tripod Adapter(x1)



Battery(x4)



QSG(x1)



Lint-Free Cloth(x1)



Battery Charger(x1)

