

# HE25L 5.5-22X60

## Multi-Spectrum Binocular



HIKMICRO HABROK 4K HE25L 5.5-22X60 is a powerful and innovative digital and thermal binocular designed especially for daytime use. Combined with a 256 thermal detector, an advanced 4K digital detector for a 5.5x-22x @60 mm lens, and a 1000 m laser rangefinder, this all-in-one binocular can be mainly applied in forest & field hunting, birding, animal searching, adventuring, and rescuing in various weather conditions.

### Key Feature

- 256 × 192 resolution @12  $\mu\text{m}$  thermal detector
- High sensitivity thermal module NETD < 35 mK (@25°C, F# = 1.0)
- 25 mm, F1.0 lens with thermal detection range up to 1200 m
- 3840 × 2160 4K ultra high-resolution CMOS detector
- 60 mm, F2.2 digital lens with 5.5x to 22x digital zoom
- 1920 × 1080 resolution 0.49-inch OLED display
- Built-in 850 nm IR illuminator and Laser Rangefinder of 1000 m measuring distance
- 800 g lightweight, with a compact and ergonomic design

# Specification

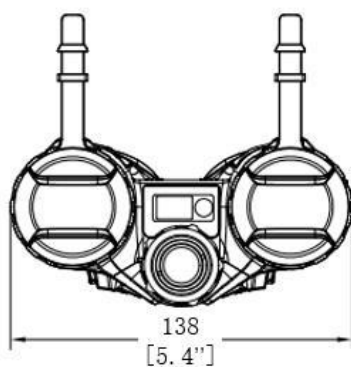
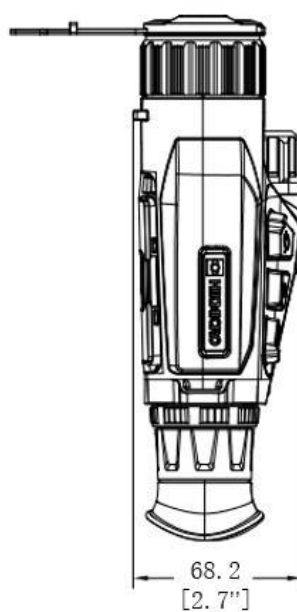
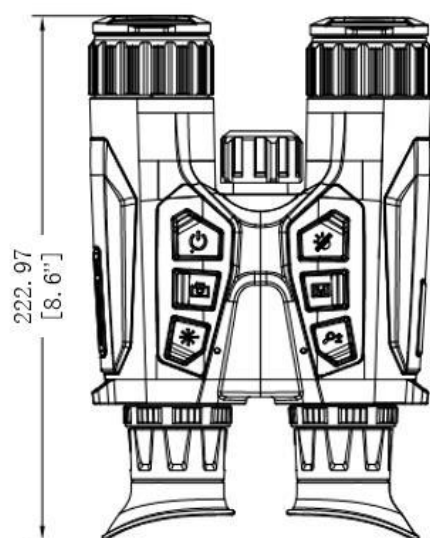
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	256 × 192
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 35 mK (@25°C), F# = 1.0
Lens (Focal Length)	25 mm, F1.0
Focus Mode	Focus Ring
Detection Range	1200 m
Min. Focusing Distance	3 m
Magnification	5.3x to 17.2x (4x)
Field of View(H × V), Degrees/ m @100m	7.0° × 5.3°/12.2 m × 9.3 m
Optical Module	
Image Sensor	1.88" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Focal Length	60 mm, F2.2
Min. Working Distance	8 m
Min. Illumination	0.001 lux @ (F1.0 , AGC On)
Focus Mode	Focus Ring
Magnification	5.5x to 22.0x (4x)
Field of View (H × V), Degrees/m @100 m	6.9°× 4.1°/12.0 m × 7.2 m
Smart IR	Yes
IR Illuminator Wavelength	850 nm
Viewing Range at Night	400 m (Estimated)
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	8 h (Estimated)
Type-C Power Supply	5 VDC, 2 A Supports External Power Supply
<b>General</b>	
Protection Level	IP67
Dimension	138 mm × 68.2 mm × 223 mm (5.4" × 2.7" × 8.6") (Estimated)
Working Temperature	-30°C to +55°C
Weight	800 g without batteries (Estimated)
Interpupillary Adjustment Range	60 mm to 74 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

## • Available Model

HM-TS92-25S2G/WLVE-HE25L

## • Dimension



Unit:mm[Inch]

\*Estimated dimension, for reference only

## ▪ Accessories



Neck Strap(×1)



Type-C Cable(×1)



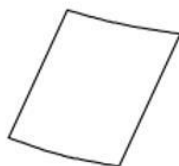
Tripod Adapter(×1)



Battery(×4)



QSG(×1)



Lint-Free Cloth(×1)



Battery Charger(×1)

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