



HikMicro Habrok 35mm 384px Multi-spectrum Binocular Specification

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Specifications

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:	4.0x to 32x (8x)
Field of View(H × V), Degrees/m @100 m:	7.5° × 5.7°/13.2 m × 9.9 m

Optical Module

Image Sensor:	1.88" 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:	2.9x to 23.2x (8x)
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: 400 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:	850 nm
Beam Angle Adjustable:	7.6 to 11.5°