



HikMicro Habrok 4K 256px Thermal & 4K Optical Binocular Specification

[HikMicro Habrok 4K Thermal & Optical Binocular](#)

Specifications

Thermal Module

Image Sensor:	VOx Uncooled Focal Plane Arrays
Max. Resolution:	256 x 192
Frame Rate:	50 Hz
Pixel Interval:	12 μ m
Response Waveband:	8 μ m to 14 μ m
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:	4.3x to 17.2x (4x)
Field of View(H x V), Degrees / m @100m:	7.0° x 5.3°/12.2 m x 9.3 m

Optical Module

Image Sensor:	1.88" Progressive Scan CMOS
Max. Resolution:	3840 x 2160
Focal Length:	60 mm, F2.2
Min. Working Distance:	8 m
Focus Mode:	Focus Ring
Magnification:	5.5x to 22.0x (4x)
Field of View (H x V), Degrees/m @100 m:	6.9°x 4.1°/12.0 m x 7.2 m
Smart IR:	Yes
IR Illuminator Wavelength:	850 nm



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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: ≥ 8 h (25°C, with hotspot off)

Type-C Power Supply: 5 VDC, 2 A

Supports External Power Supply



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General

Protection Level:	IP67
Dimension:	138 mm × 68.2 mm × 223 mm (5.4" × 2.7" × 8.6")
Working Temperature:	-30°C to +55°C
Weight:	795 g without batteries
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