

HikMicro Habrok Pro 50mm 640px Multi-Spectrum Binocular with 4K Optical & LRF Specification

[HikMicro Habrok Pro 50mm 640px 4K](#)

Specifications

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 15 mK (@25°C), F#=1.0
Lens (Focal Length):	50 mm, F1.0
Focus Mode:	Focus Ring
Detection Range:	2600 m
Min. Focusing Distance:	5 m
Magnification:	4.3x to 25.8x (6x)
Field of View(H × V), Degrees/m @100 m:	8.8° × 5.3°/ 15.4 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:	3 m
Focus Mode:	Focus Ring
Magnification:	5.5x to 22.0x (4x)
Field of View (H × V), Degrees/m @100 m:	7.3°× 4.1° / 12.6 m × 7.2 m
Smart IR:	Yes



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IR Illuminator Wavelength: 850 nm

Viewing Range at Night: 400 m

Replaceable IR Illuminator: Yes

Image Display

Display: 0.49 inch, OLED, 1920 x1080

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): -5D to +3D

Brightness Adjustment: Yes

Tone Adjustment: Cold, warm

Contrast Adjustment: Yes

Zoom Pro: Yes

Image Pro 2.0: 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 Pack



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Battery Operating Time: ≥ 7 h (-20°C, with hotspot off, LRF and Zoom Pro on)

Type-C Power Supply: 5V DC, 2A

Supports External Power Supply

General

Protection Level: IP67

Dimension: 142.9 mm x 79.7 mm x 230.5 mm (5.6" x 3.1" x 9.1")

Weight: 975 g with battery pack

Working Temperature: -30°C to +55°C

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