



# HikMicro Habrok Pro 35mm 640px Multi-spectrum Binocular Specification

## [HikMicro Habrok Pro 35mm 640px](#)

### 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 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:	3.0x to 24.0x (8x)
Field of View(H × V), Degrees/m @100 m:	12.5° × 10.1°/ 22.0 m × 17.6 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



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Viewing Range at Night:	400 m
<b>Image Display</b>	
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):	-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:	≥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°