



HikMicro Falcon 2.0 640px 50mm Thermal Monocular Specification

[HikMicro Falcon 2.0 50mm](#)

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, F0.9
Focus Mode:	Rear Focus Wheel
Min. Focusing Distance:	5.0 m
Magnification:	2.7 × to 21.6 × (8 ×)
Field of View(H × V), Degrees / m @100 m:	8.8° × 7.0°/15.4 m × 12.2 m
Detection Range:	2600 m

Image Display

Display:	1920 × 1080, 0.49 inch, OLED
Contrast Adjustment:	Yes
Brightness Adjustment:	Yes
Palettes:	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil:	8 mm
Eye Relief:	15 mm
Diopter (Range):	-5 D to +3 D
Tone Adjustment:	Cold, Warm
Zoom Pro:	Yes



HSIS (HIKMICRO Shutterless Image System): Yes

Image Pro 2.0: Yes

System

Storage: Built-in Memory Module (64 GB)

Record Video: Yes

Capture Snapshot: Yes

Local Album: Yes

Standby Mode: Yes

PIP: Yes

Hotspot: 2.4/5 G WiFi Waveband

Hot Track: Yes

Distance Measurement: Yes

Audio Recording: Yes

Power Supply

Battery Type: Replaceable and rechargeable 21700 battery

Battery Operating Time: ≥6.5 h (@25°C, WiFi, Zoom Pro on)

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

Supports External Power Supply, Support Direct Charging

General

Work Temperature/Humidity: From -30°C to 55°C (-22°F to 131°F); Humidity: 90% or Less

Protection Level: IP67

Dimension: 205 mm × 69.6 mm × 82.9 mm

Weight: 569.5 g with Battery