



Thermal Imaging Monocular

FH25 · FH35 · FQ35 · FQ50

FALCON

High Sensitivity

All Goals in Sight

NETD < 20mK | 640x512@12μm sensor | f/0.9 large aperture





HIKMICRO SIGHT

Wi-Fi Hotspot for Mobile APP



Replaceable and rechargeable high capacity battery, non-stop observation

On one battery pack the device can run up to 6 hours. Another spare one provides enough power for non-stop operation. Besides, any ordinary power bank connected via a Type-C interface can be used as an external power supply.

	FH25	FH35	FQ35	FQ50
Thermal Sensor	384x288 @ 12μm		640x512, 12 μm	
NETD	<20mK(@25°C,F#=1.0)			
Objective Lens	25 mm, F1.0	35 mm, F1.0	35 mm, F1.0	50 mm, F0.9
Optical Magnification	2.17	3.03	1.82	2.6
Digital Zoom	1×, 2×, 4×, 8×			
Field of View(H × V), Degrees / m @100m	10.5°x7.9° / 18.4m×13.8m	7.53°x5.65° / 13.2m×9.9m	12.54°x10.05° / 22.0m×17.6m	8.75°x7.0° / 15.3m×12.2m
Detection range	1200 m	1800 m	1800 m	2600 m
Display	0.39-inch, OLED, 1024 × 768			
Battery Type	Replaceable and rechargeable Li-ion battery			
Operating time	7 h	7 h	5 h	5 h
Work Temperature/ Humidity	-30°C - +55°C (-22°F - +131°F); Humidity: 90% or Less			
Protection Level	IP67	IP67	IP67	IP67
Dimension	187.7 mm × 58.3mm × 65.2 mm (7.39"×2.29"×2.57")			200.4 mm × 78mm × 67.8 mm (7.89"×3.07"×2.67")
Weight	500 g	505 g	505 g	636 g

Ultra Clear Image. Impressive Detail Recognition

The higher sensitivity in combination with high definition sensor and larger aperture optics provides the best quality, most detailed&high-contrast, informative image in all weather conditions.



◆ Extremely High Thermal Sensitivity, NETD<20mK

High thermal sensitivity ensures perfect detail recognition even in the hardest weather conditions when the object and background is with minimal temperature difference. The smallest details of objects and backgrounds can be identified easily and clearly, i.e. the animal hair, physical characteristics of male, female or pregnant animals, branches, leaves etc.



◆ High Definition Thermal Sensor, up to 640x512 @12μm

Equipped with 12μm high-end thermal sensor and up to 640x512 pixel resolution offer an excellent temperature resolution to ensure the thermal image significantly sharp and richly contrasted.

◆ Super Large Aperture f/0.9 lens, 19% improvement

With high-performance aspheric germanium lens, the super large aperture f/0.9 offers better temperature radiation capturing capability.



Image Pro, enhanced self-developed image processing algorithm

Image Pro, HIKMICRO's self-developed image processing algorithm, ensures the maximum digital image optimization depending on the purposes and conditions of observation and provides high-quality rendering of both target objects and background.



Significantly Improved Design. Exceptional ease-to-use

- ♦ Ergonomic cylindrical shape design for better operation experience
- ♦ Perfect component design for intuitive operation and ease-to-use
- ♦ Robust housing and lens material for long-time use



See Further or Wider. Catch More Details

- ♦ Long detection range up to 2600m and very large field of view up to 22m@100m
- ♦ Powerful digital zoom, up to 8x