



# FALCON FH35

## Thermal Monocular



HIKMICRO FALCON FH35 handheld thermal monocular camera is equipped with a  $384 \times 288$  infrared detector and a  $1024 \times 768$  OLED display. It supports functions of observation, hotspot, and so on. The high-sensitivity built-in thermal detector provides you with clear view even in total darkness. The monocular is mainly applied to scenarios such as searching and rescuing, hiking, travel, and hunting, etc.

### Key Features

- $384 \times 288$  resolution with  $12\mu\text{m}$  sensor
- High sensitivity thermal module NETD  $< 20 \text{ mK}$  (@ $25^\circ\text{C}$ ,  $F\# = 1.0$ )
- Replaceable and rechargeable Li-ion battery
- Up to 7 hours continuous operation
- Leading thermal image processing technology: Image Pro
- $1024 \times 768$  resolution 0.39-inch OLED display

## Specification

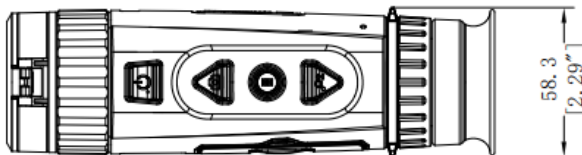
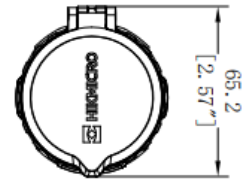
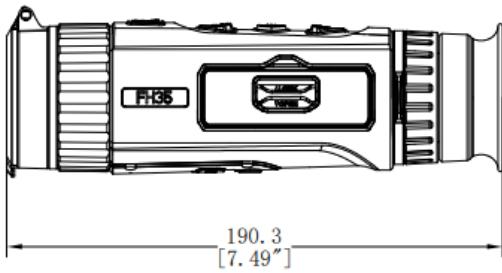
| THERMAL MODULE                             |   |
|--|---|
| IMAGE SENSOR                               | V0x Uncooled Focal Plane Arrays                                       |
| RESOLUTION                                 | 384 × 288   |
| FRAME RATE                                 | 50 Hz   |
| PIXEL INTERVAL                             | 12 μm   |
| RESPONSE WAVEBAND                          | 8 μm to 14 μm   |
| NETD                                       | Less than 20 mK (@25°C), F# = 1.0                                     |
| FOCAL LENGTH                               | 35 mm   |
| APERTURE                                   | F1.0  |
| MIN. FOCUSING DISTANCE                     | 3.5 m   |
| DIGITAL ZOOM                               | 1×, 2×, 4×, 8×  |
| OPTICAL MAGNIFICATION                      | 3.03  |
| FIELD OF VIEW (H × V),<br>DEGREES/M @100 M | 7.53° × 5.65°/13.2 m × 9.9 m  |
| DETECTION RANGE                            | 1800 m  |
| IMAGE DISPLAY                              |   |
| MONITOR                                    | 0.39 inch, OLED, 1024 × 768   |
| PALETTES                                   | Black Hot, White Hot, Red Hot, Fusion                                 |
| FFC (FLAT FIELD CORRECTION)<br>MODE        | Auto, Manual, External Correction                                     |
| SYSTEM                                     |   |
| STORAGE                                    | Built-in memory module (64 GB)  |
| RECORD VIDEO                               | Yes   |
| CAPTURE SNAPSHOT                           | Yes   |
| STANDBY MODE                               | Yes   |
| HOTSPOT                                    | Yes   |
| HOT TRACK                                  | Yes   |
| POWER SUPPLY                               |   |
| POWER                                      | 5 V, 1.5 W  |
| BATTERY TYPE                               | Replaceable and Rechargeable Li-ion Battery                           |
| BATTERY OPERATING TIME                     | 7 hours continuous running with CVBS and hotspot function off (@25°C) |
| GENERAL                                    |   |

|                           |  |
|---------------------------|--|
| WORK TEMPERATURE/HUMIDITY | From -30°C to 55°C (-22°F to 131°F); Humidity: 90% or Less |
| PROTECTION LEVEL          | IP67   |
| DIMENSION                 | 190.3 mm × 58.3 mm × 65.2 mm (7.49" × 2.29" × 2.57")       |
| WEIGHT                    | 505 g (1.11 lb)  |

## Available Model

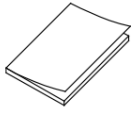
**HM-TS43-35XG/W-FH35**

## Dimension

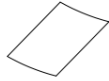


Unit: mm [Inch]

## Accessories



Quick Start Guide  
(x1)



Non-dust Cloth (x1)



USB Cable (x1)



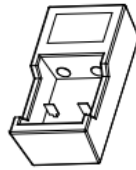
Protective Bag (x1)



Wrist Strap (x1)



Carrying case (x1)



Charger (x1)



Cell (x2)



Neck Straps (x1)

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



This section promotes the HIKMICRO SIGHT mobile application. On the left is the app's icon, which consists of a black square with a white stylized 'H' and a green square. Next to it is a smartphone displaying the app's interface. To the right are two QR codes for downloading the app. Above the left QR code is the "Download on the App Store" logo, and above the right QR code is the "GET IT ON Google Play" logo. Below the app icon and smartphone is the text "HIKMICRO SIGHT".

Three green shield-shaped icons representing product specifications. The first shield contains the text "BATTERY" at the top, a large "1" in the center, and "YEAR" at the bottom. The second shield contains "FULL PRODUCT" at the top, a large "3" in the center, and "YEARS" at the bottom. The third shield contains "DETECTOR" at the top, a large "10" in the center, and "YEARS" at the bottom.

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