HIKMICRO



FALCON FQ35

Thermal Monocular



HIKMICRO FALCON FQ35 handheld thermal monocular camera is equipped with a 640 × 512 infrared detector and a 1024 ×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

- 640 × 512 resolution with 12μm sensor
- High sensitivity thermal module NETD < 20 mK (@25℃, F# = 1.0)
- Replaceable and rechargeable Li-ion battery
- Up to 5 hours continuous operation
- Leading thermal image processing technology: Image Pro
- 1024 × 768 resolution 0.39-inch OLED display

Specification

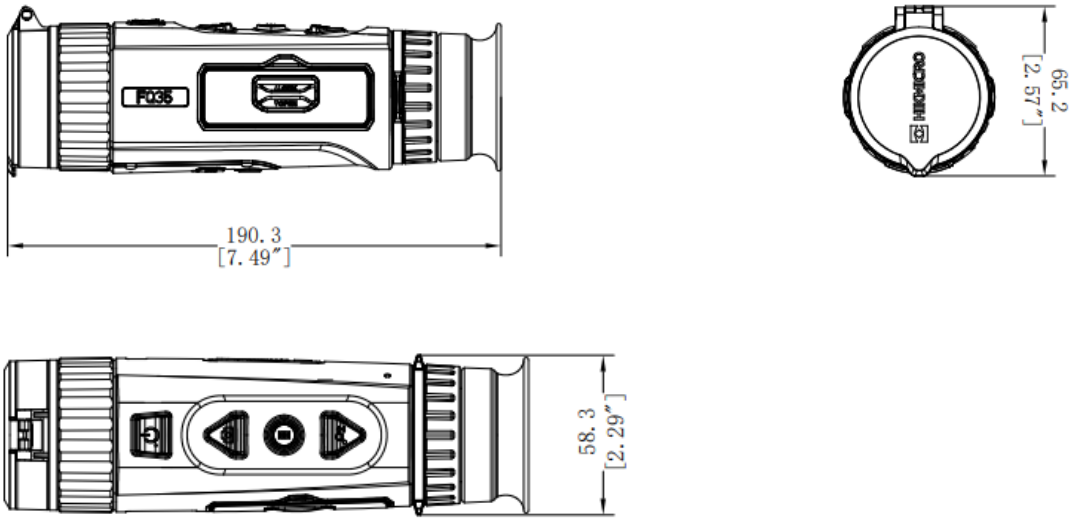
THERMAL MODULE	
IMAGE SENSOR	VOx Uncooled Focal Plane Arrays
RESOLUTION	640 × 512
FRAME RATE	50 Hz
PIXEL INTERVAL	12 μm
RESPONSE WAVEBAND	8 μm to 14 μm
NETD	Less than 20 mK (@25°C), F# = 1.0
FOCAL LENGTH	35 mm
APERTURE	F1.0
MIN. FOCUSING DISTANCE	3.5 m
DIGITAL ZOOM	1×, 2×, 4×, 8×
OPTICAL MAGNIFICATION	1.82
FIELD OF VIEW (H × V), DEGREES/M @100 M	12.54° × 10.05°/22.0 m × 17.6 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) 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, 1.95 W
BATTERY TYPE	Replaceable and Rechargeable Li-ion Battery
BATTERY OPERATING TIME	5 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 ×58.3mm × 65.2 mm (7.49" × 2.29" × 2.57")
WEIGHT	505 g (1.11 lb)

Available Model

HM-TS46-35XG/W-FQ35

Dimension

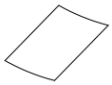


Unit: mm [Inch]

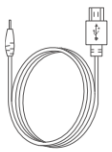
Accessories



Quick Start Guide (×1)



Non-dust Cloth (×1)



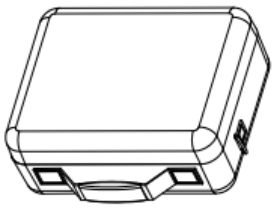
USB Cable (x1)



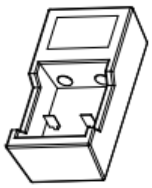
Protective Bag (×1)



Wrist Strap (x1)



Carrying case (x1)



Charger (x1)



Cell (x2)



Neck Straps (x1)

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HIKMICRO SIGHT

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BATTERY 1 YEAR

FULL PRODUCT 3 YEARS

DETECTOR 10 YEARS

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