



FQ25

Thermal Monocular

HIKMICRO FALCON FQ25 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.

Key Features

- 640×512 resolution with $12 \mu\text{m}$ detector
- High sensitivity thermal module NETD $< 20 \text{ mK}$ (@ 25°C , $F\# = 1.0$)
- 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

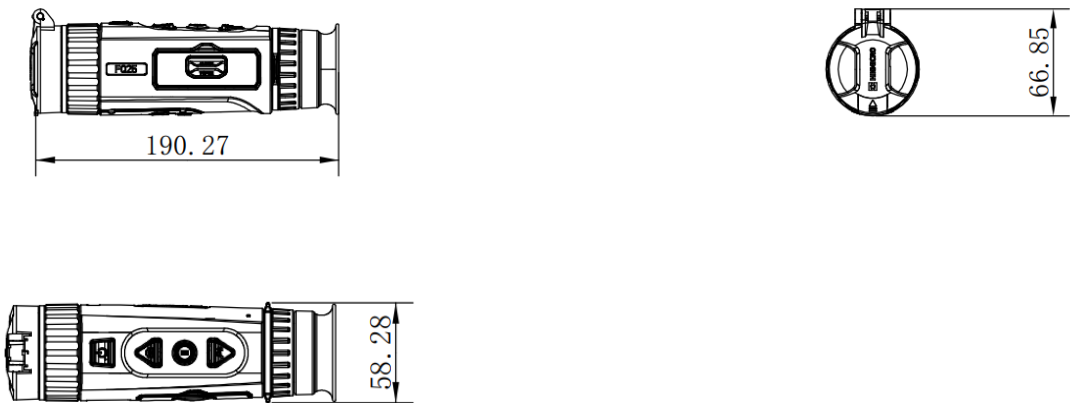
THERMAL MODULE	
IMAGE SENSOR	VOx Uncooled Focal Plane Arrays
RESOLUTION	640 × 512
FRAME RATE	50 Hz
PIXEL INTERVAL	12 μm
RESPONSE WAVEBAND	8 μm to 14 μm
NETD	Less than 20 mK (@25°C), F# = 1.0
FOCAL LENGTH	25 mm
FIELD OF VIEW (H × V), DEGREES/M @100 M	17.5° × 14.0°/30.8 m × 24.6 m
APERTURE	F1.0
MIN. FOCUSING DISTANCE	2.5 m
DIGITAL ZOOM	1×, 2×, 4×, 8×
OPTICAL MAGNIFICATION	1.42
DETECTION RANGE	1200 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 × 58.3 mm × 66.9 mm (7.64"× 2.29"× 2.99")
WEIGHT	500 g (1.10 lb)

Available Model

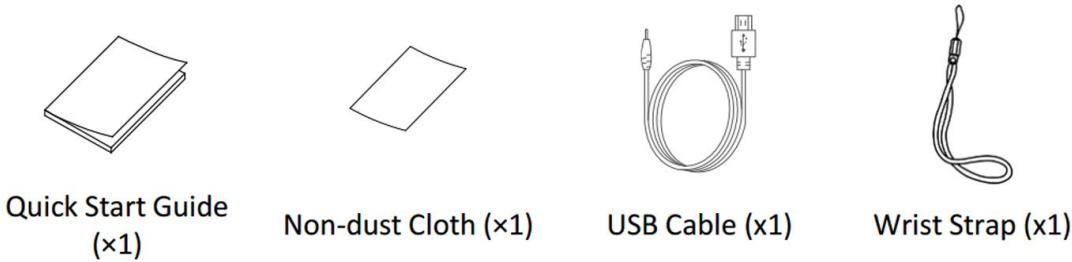
HM-TS46-25XG/W-FQ25

Dimension



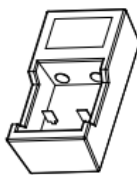
Unit: mm

Accessories





Carrying case (x1)



Charger (x1)



Cell (x2)



Neck Straps (x1)

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