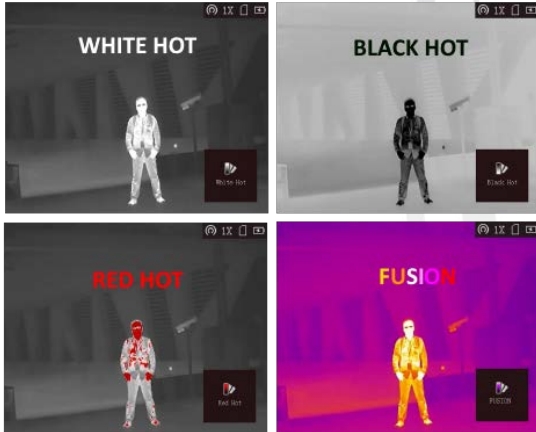




HIKMICRO

Gryphon-GQ50L (with Laser rangefinder) Handheld Thermal Monocular Camera



Model #: HM-TS26-50QG/WLV-GQ50L

HIKMICRO GRYPHON GQ50L handheld thermal monocular camera is equipped with a 640 × 512 infrared detector, a 1960 × 1200 Low illumination optical detector and a 1024 × 768 OLED display. It supports the following functions of observation, Wi-Fi hot spot, hot tracking, bi-spectrum image fusion, laser distance measurement and more. The monocular is mainly applied to scenarios such as patrolling, law enforcement, searching and rescuing, anti-poaching, narcotic enforcement, anti-smuggling, tracing and arresting, hiking, and travel, etc.

Key Features

Thermal

- 640 × 512 resolution, high sensitivity detector, contract adjustment
- 12 micron (μm) sensor delivering up to 2600m man-sized detection
- 3D DNR
- 50 mm focal length lens

Optical

- Low-light-level detector
- 1960 × 1200 resolution

Display

- 0.39 inch OLED display
- 1024 × 768 resolution
- Thermal, optical and fusion modes
- Frame Rate: 50hz smooth refresh
- Optical Magnification: 2.9x
- Digital Magnification: 1x, 2x, 4x, 8x

Battery

- Removable 18650 rechargeable li-ion battery
- 5 hours continuous running with CVBS, Wi-Fi hot spot function off (@25°C)

Function

- Wi-Fi hot spot
- Built-in EMMC v5.1 Interface with large 16 GB memory (built-in), supports picture snapshot and video
- Recording
- Digital zoom
- Precision laser rangefinder (up to 600m)
- Type-C Interface
- Control knob
- Colour Palettes: White Hot, Black Hot, Red Hot, Fusion, Visible Thermal and Visible Fusion
- Dimensions: 87mmx73mmx167mm
- Weight: 0.5kg
- Can be used along with 850nm (IR) TORCH (HM-L028IR) and GRYPHON IR TORCH BRACKET (HM-GRYPHON-IRB01)



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▪ Specification

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	<35 mK (@25°C, F# = 1.0)
Lens (Focal Length)	50 mm
Detection Range	3000 m (man-size object)
Focus Mode	Manual
Field of View	10.97° × 8.82° (H × V)
Min. Focusing Distance	3 m
Aperture	F1.0
Magnification	2.0
Digital Zoom	1 ×, 2 ×, 4 ×, 8 ×
Optical Module	
Image Sensor	1/2" Progressive Scan CMOS
Focal Length	22 mm
Wavelength	400 nm to 1000 nm
Max. Resolution	1960 × 1200
Min. Illumination	0.001 Lux @ F1.0
Image Display	
Frame Frequency	50 Hz
Display	0.39 inch, OLED, 1024 × 768
Image Mode	White Hot, Black Hot, Red Hot, Fusion, Visible, Image Fusion
FFC (Flat Field Correction) Mode	Auto, Manual, External Correction
Smart Function	
Hot Spot	Yes
Hot Track	Yes
Distance Measurement	Yes
Standby Mode	Yes
System	
Record Video	Yes
Capture Snapshot	Yes
Built-in Memory	16 GB
Power Supply	
Battery Type	One 18650 battery
Power	Removable 18650 battery
Battery Operating Time	5 hours
General	
Protection Level	IP67
Dimension	87.2 mm × 73.3 mm × 183.6 mm (3.43 inch × 2.88 inch × 6.61 inch)
Weight	480g
Working Temperature	-30 to 55°C
Eye-Relief	19.5 mm

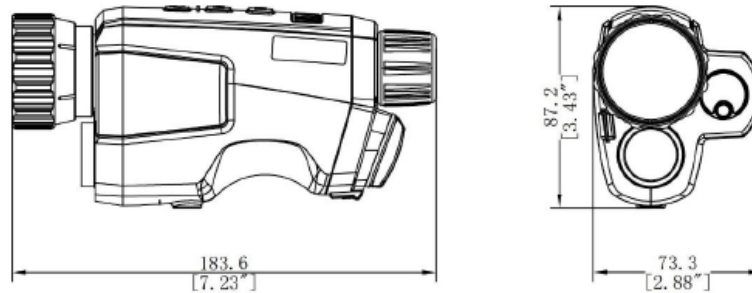
Laser Rangefinder

Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	600 m
Measurement Accuracy	± 1 m

Available Model

GQ50L

Dimension



Unit:mm[Inch]

Outstanding Image Algorithm

Self-developed image algorithm optimizes image quality, bringing users a high-definition and cleaner picture, highlighting the edge of the object.



03. Build-in Precision Laser Rangefinder

Integrated laser rangefinder allows to determine the distance in various scenarios, which play an important role in precision shooting.

Range up to

600_m

Accuracy of

± 1 _m



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.

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