

PANTHER PQ50L

Thermal Image Scope



HIKMICRO PANTHER PQ50L Thermal Image Scope has 640×512 thermal detector and 1024×768 OLED monitor, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. The scope is mainly applied to scenarios such as hiking, hunting, searching and rescuing, etc.

Key Features

- 640 × 512 thermal resolution, high sensitivity detector, NETD< 35 mK (25°C, F# = 1.0)
- Image processing technology: Adaptive AGC, DDE, 3D DNR
- 1024 × 768 resolution 0.39-inch OLED display
- Supports distance measurement and hotspot function
- Supports video recording and snapshot, built-in EMMC (16 GB)
- Supports digital zoom and reticle function, palettes of color adjustable
- Observation Distance up to 2600 m



Specification

Image Sensor Uncooled Focal Plane Array 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 2600 m Field of View 8.80° x 7.03° Min. Focusing Distance 5 m Apperture F1.0 Magnification 2.6x Image Display 1024 x 768, 0.39 inch, OLED Image Mode Black Hot, White Hot, Red Hot, Fusion FFC (Flat Field Correction) Mode Auto, Manual, External Correction Exit Pupil 6 mm Eye Relief 45 mm Diopter (Range) -5 D to 3 D System Digital Zoom Digital Zoom 1x, 2x, 4x, 8x Record Video On-board video recording Standay Mode Yes Record Video On-board video recording Standay Mode Yes Hotspot Yes Hotsp	Thermal Module		
Frame Rate 50 Hz Pixel Interval 12 µm Response Waveband 8 µm to 14 µm NETD < 35 mk (25°C, F# = 1.0)	Image Sensor	Uncooled Focal Plane Array	
Pixel Interval 12 μm Response Waveband 8 μm to 14 μm NETD < 35 mK (25°C, Fal = 1.0)	Max. Resolution	640 × 512	
Response Waveband 8 µm to 14 µm NETD < 35 mK (25°C, F# = 1.0)	Frame Rate	50 Hz	
NETD < 35 mK (25°C, FH = 1.0)	Pixel Interval	12 μm	
Lens (Focal Length) 50 mm Detection Range 2600 m Filed of View 8.80" × 7.03" Min. Focusing Distance 5 m Aperture F1.0 Magnification 2.6× Image Display <td a="" control="" of="" propert<="" property="" rows="" td=""><td>Response Waveband</td><td>8 μm to 14 μm</td></td>	<td>Response Waveband</td> <td>8 μm to 14 μm</td>	Response Waveband	8 μm to 14 μm
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Field of View 8.80° × 7.03° Min. Focusing Distance 5 m Aperture F1.0 Magnification 2.6× Image Display 1024 × 768, 0.39 inch, OLED Image Mode Black Hot, White Hot, Red Hot, Fusion FFC (Flat Field Correction) Mode Auto, Manual, External Correction Exit Pupil 6 mm Eye Relief 45 mm Diopter (Range) -5 D to 3 D System Digital Zoom 1x, 2x, 4x, 8x Capture Snapshot Yes Record Video On-board video recording Standby Mode Yes Storage Built-in EMMC (16 GB) PIP Yes DPC Yes Uniformity Correction Auto, Manual, External Correction Hot Track Yes Reticle yes Power Supply Battery Type One Rechargeable Lithium battery Battery Operating Time 5 hours continuous running (@25°C, Wi-Fi and CVBs off) Battery Capacity Display Yes Overvolt	Lens (Focal Length)	50 mm	
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Battery Capacity Display Anti-reverse Battery Connection Ves Overvoltage Protection Type-C Power Supply Supports external power supply General	Battery Type	One Rechargeable Lithium battery	
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Overvoltage Protection Type-C Power Supply 5 V DC/2 A, USB Type-C interface3 Supports external power supply General	Battery Capacity Display	Yes	
Type-C Power Supply 5 V DC/2 A, USB Type-C interface3 Supports external power supply General	Anti-reverse Battery Connection	Yes	
Type-C Power Supply Supports external power supply General	Overvoltage Protection	Yes	
General Supports external power supply	Type-C Power Supply	5 V DC/2 A, USB Type-C interface3	
		Supports external power supply	
Work Temperature/Humidity -30°C to 55°C (-22°F to 131°F)	General		
	Work Temperature/Humidity	-30°C to 55°C (-22°F to 131°F)	
Protection Level IP67	Protection Level	IP67	
Dimension $214.10 \times 74.30 \times 88.71 \text{ mm } (8.43 \times 2.93 \times 3.50 \text{ inch})$	Dimension	214.10 × 74.30 × 88.71 mm (8.43 × 2.93 × 3.50 inch)	



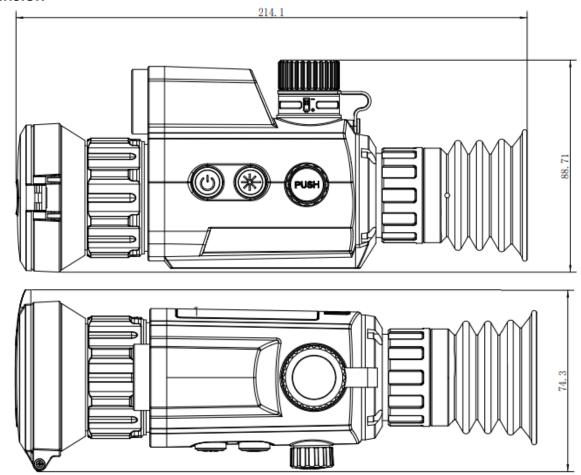
Weight	< 585 g without eyepiece and batteries
Port	Type-C
Laser Rangefinder	
Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	600 m
Measurement Accuracy	±1 m
Min. Measuring Range	10 m

Available Model

HM-TR26-50XG/W-PQ50L



Dimension



Unit: mm

Accessory



Quick Start Guide (×1)



Battery (×2)



Type-C Cable (×1)



Dust-free Cloth (×1)



Bag (×1)



Battery Charger

Optional



Quick-release Rail



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