

PANTHER PH50L

Thermal Image Scope



HIKMICRO PANTHER PH50L Thermal Image Scope has 384 × 288 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 patrolling, hunting, etc.

Key Features

- 384 × 288 thermal resolution, high sensitivity detector, NETD< 35 mK (25°C, F# = 1.0)</p>
- 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



Thermal Module		
Image Sensor	Uncooled Focal Plane Array	
Max. Resolution	384 × 288	
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	5.28° × 3.96°	
Min. Focusing Distance	5 m	
Aperture	F1.0	
Magnification	4.33×	
Image Display		
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	1×, 2×, 4×, 8×	
Capture Snapshot	Yes	
Record Video	On-board video recording	
Standby Mode	Yes	
Storage	Built-in EMMC (16 GB)	
PIP	Yes	
DPC	Yes	
Hotspot	Yes	
Uniformity Correction	Auto, Manual, External Correction	
Hot Track	Yes	
Reticle	Yes	
Power Supply		
Battery Type	One Rechargeable Lithium battery	
Battery Operating Time	6 hours continuous running (@25°C, Wi-Fi and CVBS off)	
Battery Capacity Display	Yes	
Anti-reverse Battery Connection	Yes	
Overvoltage Protection	Yes	
Type-C Power Supply	5 V DC/2 A, USB Type-C interface3	
	Supports external power supply	
General		
Work Temperature/Humidity	-30°C to 55°C (-22°F to 131°F)	
Protection Level	IP67	
Dimension	214.10 × 74.30 × 88.71 mm (8.43 × 2.93 × 3.50 inch)	

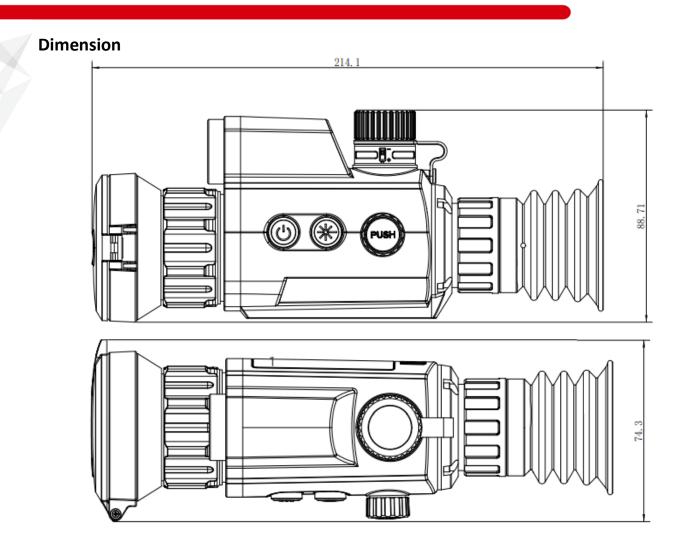


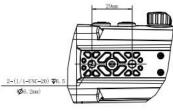
Weight	< 585 g without eyepiece and batteries
Port	Туре-С
Laser Rangefinder	
Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	600 m
Measurement Accuracy	±1 m
Min. Measuring Range	10 m

Available Model

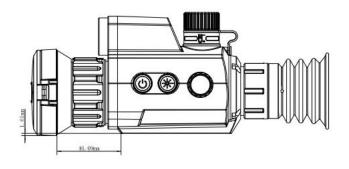
HM-TR23-50XG/W-PH50L



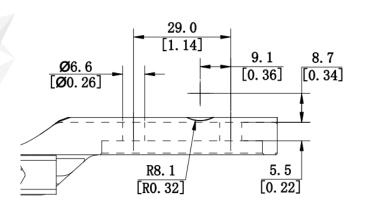


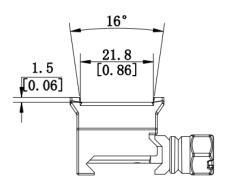






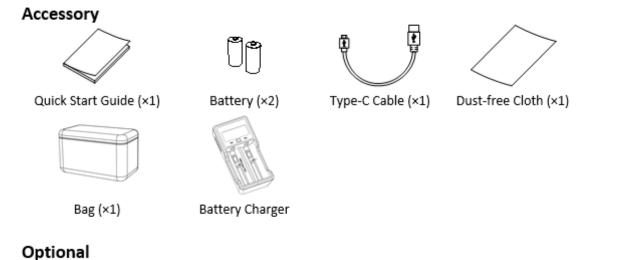






Unit:mm[Inch]

Unit: mm





Rail System Rail(x1) Screws(x2) Wrench(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.





Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang

© Hangzhou Microimage Software Co., Ltd. 2020 | Data subject to change without notice!