



# HIKMICRO

## PANTHER PH50L Thermal Scope



### ▪ Key Features

- 384 × 288 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 cursor function, palettes of color adjustable
- Observation Distance up to 2500 m

## ▪ Specification

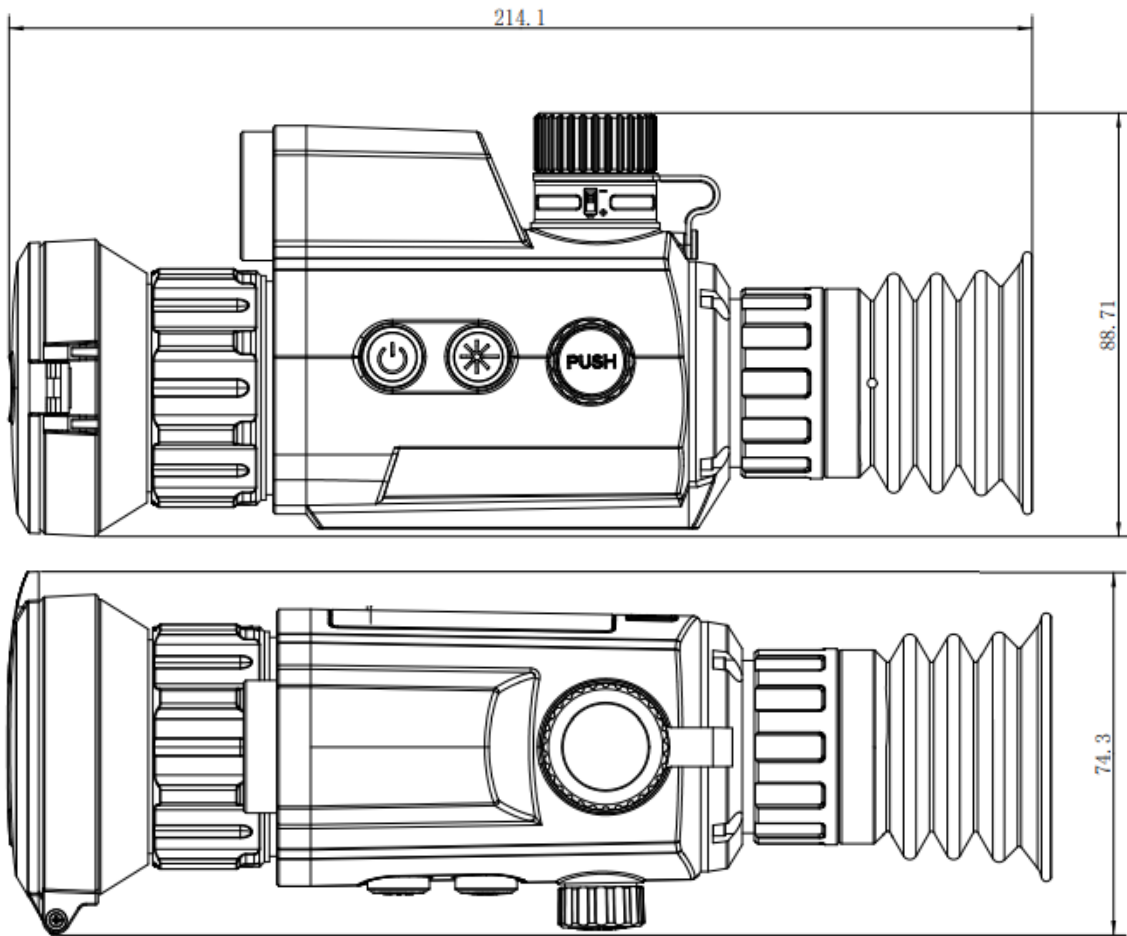
Thermal Module	
Image Sensor	Uncooled Focal Plane Array
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	< 35 mK (25°C, F# = 1.0)
Lens (Focal Length)	50 mm
Detection Range	2500 m
Field of View	5.28°× 3.96°
Min. Focusing Distance	5 m
Aperture	F1.0
Magnification	4.33x
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	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
Hotspot	Yes
Uniformity Correction	Auto, Manual, External Correction
Hot Track	Yes
Reticle	Yes
Power Supply	
Battery Type	One 18650 Rechargeable Lithium battery
Battery Operating Time	Up to 6 hours continuous running (@ 25°C, Wi-Fi off)
Battery Capacity Display	Yes
Anti-reverse Battery Connection	Yes
Overvoltage Protection	Yes
Type-C Power Supply	5 VDC/2 A, USB Type-C interface 3 Supports external power supply
General	
Work Temperature/Humidity	-30°C to 55°C (-22°F to 131°F)
Protection Level	IP67

Dimension	214.10×74.30×88.71mm
Weight	< 585 g without eyepiece and batteries
Port	Type-C
<b>Laser Rangefinder</b>	
Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	600 m
Measurement Accuracy	± 2 m
Min. Measuring Range	10 m

▪ **Available Model**

HM-TR23-50XG/W-PH50L

▪ Dimension



Unit: mm

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