



	PH35L 2.0	PH50L 2.0	PQ35L 2.0	PQ50L 2.0
Max. Resolution	384 x 288, 12 μm	384 x 288, 12 μm	640 × 512, @12um	640 × 512, @12um
NETD	Less than 20 mK (@25°C), F# = 1.0			
Lens (Focal Length)	35mm, f1.0	50mm, f1.0	35mm, f1.0	50mm, f1.0
Magnification	3.0x - 24x (8x)	4.3 - 34.4 (8x)	1.8x - 14.4x (8x)	2.6x - 20.8x (8x)
Field of View(H × V), Degrees / m @100m	7.5° × 5.7°/ 13.1 m × 9.9 m	5.3° × 4.0°/ 9.2 m × 6.9 m	12.5° × 10.0°/ 21.9 m × 17.6 m	8.8° × 7.0°/ 15.4 m × 12.3 m
Display	1024 × 768, 0.39 inch, OLED			
Exit Pupil	6 mm	6 mm	6 mm	6 mm
Eye Relief	45 mm	45 mm	45 mm	45 mm
Max. Recoil	1000 g/0.4 ms	1000 g/0.4 ms	1000 g/0.4 ms	1000 g/0.4 ms
Battery Type	Replaceable and Rechargeable Li-ion Battery			
Operation Time	6h	6h	5h	6h
Dimension & Weight	214.64 × 66.97 × 87.10 mm 518 g without Battery	226.81 × 73.34 × 87.10 mm 585 g without Battery	214.64 × 66.97 × 87.10 mm 518 g without Battery	226.81 × 73.34 × 87.10 mm 585 g without Battery
Standard Accessory	Quick Start Guide(x1), Battery (x2), Type-C cable (x2), Dust-free Cloth(x1), Bag (x1), Battery Charger (x1)			



PH35L 2.0 · PH50L 2.0 · PQ35L 2.0 · PQ50L 2.0



 **HIGH SENSITIVITY**

PANTHER 2.0

Extremely Clarity. Accurately Distance Measurement

Ultra clear image, impressive detail recognition

- High thermal sensitivity, perfect detail recognition**

Every detail matters when identifying targets. Less than 20 mK NETD helps identify small details of objects from the backgrounds easily and clearly even in the hardest weather and low- light conditions.



- Vivid, informative, and layered images**

Even when hunting with thermal imaging, the powerful thermal camera still provides you with the most vivid and layered images for reliable game identification and maximum hunting success.
- Built-in laser range finder provides an accurate distance measurement**

Distance from the game is essential to ensure a safe shot. Built-in laser rangefinder allows you to determine the exact time of your shooting.

640x512 @12μm
Thermal Camera

F1.0
Lens

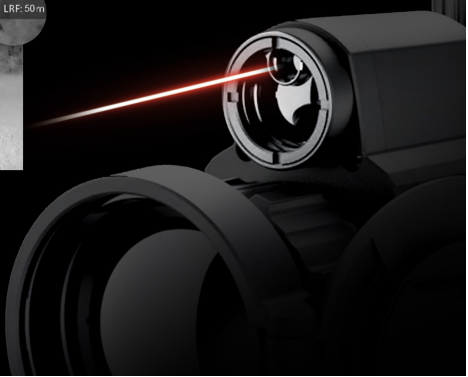
1024 × 768
OLED display



Range up to **600m**

Accuracy of **± 1m**





Model	Introduction	Scenarios	Lens	Magnification	FOV (@100 m)	Detection Range	Detector	Battery
PH35L 2.0 	With a FOV of 13m@100 m and 3.0x magnification, it provides great performance wherever in the forest or field.	  FieldForest	 35mm, F1.0	3.0 – 24.0 8x	 13.1m450m1800m	384 × 288 12μm NETD < 20mK	 6h	
PH50L 2.0 	50 mm lens and 384 detector results in 4.3x magnification, making it suitable for field hunting particularly.	  Field	 50mm, F1.0	4.3 – 34.4 8x	 9.2m650m2600m	384 × 288 12μm NETD < 20mK	 6h	
PQ35L 2.0 	Its 22m @ 100m large FOV provide a perfect overview especially when hunting in the forest.	  Forest	 35mm, F1.0	1.8 – 14.4 8x	 22m500m1800m	640 × 512 12μm NETD < 20mK	 5h	
PQ50L 2.0 	Detection range up to 2600m and @2.6x optical magnification make hunters have good experience both in the filed or forest.	  FieldForest	 50mm, F1.0	2.6 – 20.8 8x	 15.4m700m2600m	640 × 512 12μm NETD < 20mK	 5h	

Compact Size and Rugged Design Lead to High Reliability

- Wheel control
 - IP67
 - 1000g/0.4ms