



# HAWKEYE

## Product Catalogue



**PHENIX HONG KONG LIMITED**

Room 706-7, Yu Sung Boon Building, 107-111 Des Voeux Road, Central, Hong Kong

Email: [sales@phenixhk.com](mailto:sales@phenixhk.com)

Website: [www.hawkeye.com.hk](http://www.hawkeye.com.hk)





# **HAWKEYE-5000**

Used by Chinese military personnel and law enforcement agencies, the Hawkeye-5000 series of binoculars first started production in 2005, with annual output of 60,000 units. These military day binoculars have been exported to countries in the European Union, the United States of America, the Middle East, and many more.





# HAWKEYE-5000

## Product Information

Product Type	Binoculars
--------------	------------

## Optical Characteristics

Magnification	10x	Visible Distance	>4000 meters
Eyepiece Diameter	Φ25±1mm	Objective Diameter	Φ50±1mm
Entrance Pupil Diameter	Φ50mm	Exit Pupil Diameter	Φ5mm
Exit Pupil Distance	18mm	Field of View	6° (105m/1000m or 315ft/1000yds)
Diopter System	Right Diopter Ring	Pupil Distance Adjustable Range	55 to 72 mm
Focus System	Paul System / Binocular Focusing	Focusing Lens	Eyepiece Focusing
Focusing Adjustment	+4 to -4	Prism System	Paul Bak4
Objective Lens	3E2G (3pieces2groups)	Ocular Lens	4E3G (4pieces3groups)
Lens Type	Spherical Lens	Optical Material	All Optical Glass
Lens Coating	Has Wide-Band Green Film	Prism Coating	Green Film

## Operational Characteristics

Dimensions	215 x 180 x 75mm	Waterproof Rating	IP67
Operating Temperature	-40°C to +70°C	Armor Material	Vulcanized Leather, Rubber Leather
Approximate Weight	1280g	Body Material	Aluminium Alloy
Gas Filled	Nitrogen	Color	Black
Fogproof	Yes	Eye Cup	Twist Up

## Phenix Hong Kong Limited

Room 706-7, Yu Sung Boon Bldg., 107- 111 Des Voeux Road Central, Hong Kong

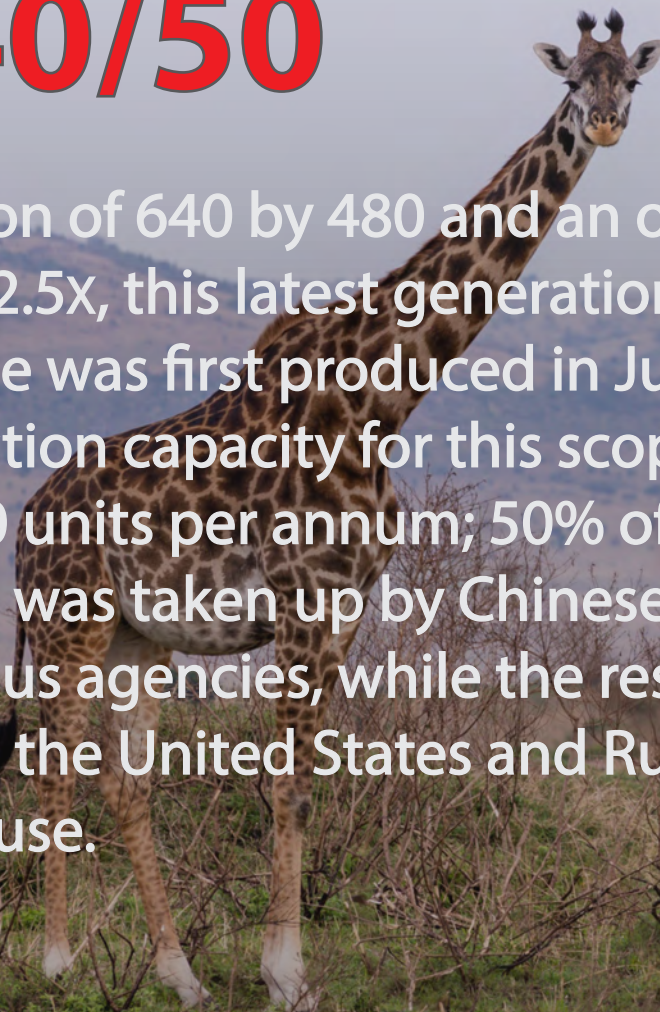
Email: [sales@phenixhk.com](mailto:sales@phenixhk.com)

Website: [www.hawkeye.com.hk](http://www.hawkeye.com.hk)



# NM-640/50

Having a resolution of 640 by 480 and an optical magnification of 2.5x, this latest generation of thermal rifle scope was first produced in June 2021. Our production capacity for this scope is presently at 3,000 units per annum; 50% of last year's production was taken up by Chinese Military and various agencies, while the rest have been exported to the United States and Russia for basic military use.





## Sensor (Military Grade)

Type	VOx Uncooled	Resolution	640 x 480 Super Sensitive
Frame Rate	50Hz	Taille Pixels	12µm
NETD	≤30mK		

## Optical Characteristics

Objective Lens	f50mm, F1.2	Magnification	2.5x
Continuous Digital Zoom	1x / 2x / 4x / 6x / 8x	Eye Relief	50mm
Dioptre Adjustment	+5 to -5	Close-Up Range	5m
FOV	8.8° * 6.6°		

## Display

Colour Palettes	Black Hot, White Hot, Red Hot, Fusion, Target Highlight	Type/ Resolution	0.39 inch / OLED/ 1024 x 768
-----------------	---	------------------	---------------------------------

## Operational Characteristics

3D Gyroscope	Yes	Waterproof Rating	IP67
Power Supply	3 - 4.2V	Battery	Li-Ion Battery Pack/ 6000mAh/ DC 3.7V
External Power Supply	5V (USB)	Operating Time (At Temperature Of 22°C)	9 hours
Max. Recoil Power	10000 Joules	Operating Temperature Storage Temperature	-30°C to +50°C -40°C to +60°C
Dimensions	335 × 90 × 75mm	Weight (Without Battery / Mount)	1020g

## Video Recorder

Video / Photo Resolution	1024 x 768	Video / Photo Format	.mp4 / .jpg
Memory Type	TF card (FAT32), max. 128G		

## WiFi Channel

Frequency	2.4GHz	Standard	802.11 b/g
Line-Of-Sight Reception Range	15m		

## Rangefinder

Wavelength	905nm	Max. Measuring Range	1800m
Measuring Accuracy	+/- 1m	Detection Range (Target Size: 1.7m x 0.5m)	2850m

## Phenix Hong Kong Limited

Room 706-7, Yu Sung Boon Bldg., 107- 111 Des Voeux Road Central, Hong Kong

Email: sales@phenixhk.com

Website: www.hawkeye.com.hk





## **NM-384/35**

Having a resolution of 384 by 288 and an optical magnification of 2.8x, this latest generation of thermal rifle scope was first produced in June 2021. Our production capacity for this scope is presently at 4,000 units per annum; 70% of last year's production was taken up by Chinese Military and various agencies, while the rest have been exported to the United States, Russia and the Czech Republic for basic military use.



## Sensor (Military Grade)

Type	VOx Uncooled	Resolution	384 x 288 Super Sensitive
Frame Rate	50 Hz	Taille Pixels	12µm
NETD	≤30mK		

## Optical Characteristics

Objective Lens	f35mm, F1.2	Magnification	2.8x
Continuous Digital Zoom	1x / 2x / 4x / 6x / 8x	Eye Relief	50mm
Dioptré Adjustment	+5 to -5	Close-Up Range	5m
FOV	7.5° * 5.7°		

## Display

Colour Palettes	Black Hot, White Hot, Red Hot, Fusion, Target Highlight	Type / Resolution	0.39 inch / OLED / 1024 x 768
-----------------	---	-------------------	----------------------------------

## Operational Characteristics

3D Gyroscope	Yes	Waterproof Rating	IP67
Power Supply	3 - 4.2V	Battery	Li-Ion Battery Pack / 6000mAh / DC 3.7V
External Power Supply	5V (USB)	Operating Time (At Temperature Of 22°C)	9 hours
Max. Recoil Power	10000 Joules	Operating Temperature Storage Temperature	-30°C to +50°C -40°C to +60°C
Dimensions	300 x 90 x 75mm	Weight (Without Battery / Mount)	970g

## Video Recorder

Video / Photo Resolution	1024 x 768	Video / Photo Format	.mp4 / .jpg
Memory Type	TF card (FAT32), max. 128G		

## WiFi Channel

Frequency	2.4GHz	Standard	802.11 b/g
Line-Of-Sight Reception Range	15m		

## Rangefinder

Wavelength	905nm	Max. Measuring Range	1800m
Measuring Accuracy	+/- 1m	Detection Range (Target Size: 1.7m x 0.5m)	1800m

## Phenix Hong Kong Limited

Room 706-7, Yu Sung Boon Bldg., 107- 111 Des Voeux Road Central, Hong Kong

Email: [sales@phenixhk.com](mailto:sales@phenixhk.com)

Website: [www.hawkeye.com.hk](http://www.hawkeye.com.hk)





# GS-640/35

This handheld thermal scope has a resolution of 640 by 480 and an objective lens of f35mm. First produced in Sep 2021, the factory produces 1,000 units/month, of which 90% are used by domestic military with a small quantity exported to the United States.



## Sensor (Military Grade)

Type	VOx Uncooled	Resolution	640 x 480 Super Sensitive
Frame Rate	50Hz	Taille Pixels	12µm
NETD	≤30mK		

## Optical Characteristics

Objective Lens	f35mm, F1.0	Magnification	1.7x
Continuous Digital Zoom	1x / 2x / 4x / 6x / 8x	Eye Relief	30mm
Dioptré Adjustment	+5 to -5	Close-Up Range	5m

## Display

Colour Palettes	Black Hot, White Hot, Red Hot, Fusion, Target Highlight	Type / Resolution	0.39 inch / OLED / 1024 x 768
-----------------	---	-------------------	----------------------------------

## Operational Characteristics

Hot Trace	Yes	Waterproof Rating	IP65
Power Supply	3 - 4.2V	Battery	Li-Ion Battery Pack / 6000mAh / DC 3.7V
External Power Supply	5V (USB)	Operating Time (At Temperature Of 22°C)	12 hours
Operating Temperature	-30°C to +50°C	Dimensions	185 x 85 x 50mm
Weight (Without Battery / Mount)	535g		

## Video Recorder

Video/ Photo Resolution	1024 x 768	Video / Photo Format	.mp4 / .jpg
Memory Type	TF Card (FAT32), Max. 128G		

## WiFi Channel

Frequency	2.4GHz	Standard	802.11 b/g
Line-Of-Sight Reception Range	15m		

## Rangefinder

Wavelength	905nm	Max. Measuring Range	1000m
Measuring Accuracy	+/- 1m	Detection Range (Target size:1.7m x 0.5m)	1850m

## Phenix Hong Kong Limited

Room 706-7, Yu Sung Boon Bldg., 107- 111 Des Voeux Road Central, Hong Kong

Email: sales@phenixhk.com

Website: www.hawkeye.com.hk





# B6K

Started production in Feb 2021, with an annual output of 800 units, this thermal imaging binoculars has a maximum measuring range of 6km. 90% of the production are exported to the Chinese Government for domestic use while the rest are exported for processing.



### Thermal Channel

Resolution	640 x 512 , 12 $\mu$ m	FOV	6.1° x 4.8°
Spectral Band	8 to 14 $\mu$ m	NETD	≤40mK @ 25°C, F#1.0

### Low Light Channel

Resolution	750 x 600, 8 $\mu$ m	FOV	6.8° x 5.5°
Spectral Band	0.4 to 1.1 $\mu$ m	NETD	≤40mK @ 25°C, F#1.0

### TV Channel

Resolution	2400 x 1920, 2.7 $\mu$ m	FOV	4.6° x 3.7°
Spectral Band	0.4 to 0.63 $\mu$ m	NETD	≤40mK @ 25°C, F#1.0

### Laser Rangefinder

Eye Safe	1535nm	Maximum Measurement Range	≥6km
Measurement Accuracy	2m		

### Location Module

Location Mode	BD + GPS	Elevation Location Accuracy (PE)	10m
Horizontal Location Accuracy (CEP)	5m		

### Digital Magnetic Compass

Azimuth Measurement Range	0° to 360°	Azimuth Measurement Accuracy	0.5° (RMS)
Pitch Angle Measurement Range	-90° to +90°	Pitch Angle Measurement Accuracy	0.4° (RMS)
Inclination Angle Measurement Range	-180° to +180°	Inclination Angle Measurement Accuracy	0.5° (RMS)

### Laser Pointer

Wavelength	830nm	Power	5mW
Security Level	5mW, Class IIIA		

## Phenix Hong Kong Limited

Room 706-7, Yu Sung Boon Bldg., 107- 111 Des Voeux Road Central, Hong Kong

Email: [sales@phenixhk.com](mailto:sales@phenixhk.com)

Website: [www.hawkeye.com.hk](http://www.hawkeye.com.hk)

### External Interface

Aviation	DC / USB/ PAL / RS232	Wireless Transmission	WiFi
Display	HDMI	Dimension	198 x 210 x 105mm

### Battery

Batteries	6pcs 18650	Voltage Output Range	2.5V - 4.2V
Nominal Voltage	3.7V	Capacity	3000mAh

### Overall Device

Storage	10000 JPG & 4h AVI	Display Type / Resolution	OLED, 1280 x 1024
Ocular Lens Diopter	+4 to -4	Operating Temperature	-40°C to +55°C
Weight (With Battery)	≤2.1 kg	Storage Temperature	-55°C to +70°C
Operating Time	≥8 h	Waterproof Rating	IP67

Operating Distance		Thermal Mode	Visible Light Mode	Low Light Mode
<b>Human Target</b> 1.7m x 0.5m	Identification	850m	3000m	180m
	Recognition	1700m	4500m	300m
	Detection	5000m	10070m	500m
<b>Vehicle Target</b> 2.3m x 2.3m	Identification	1200m	4000m	200m
	Recognition	2400m	6000m	400m
	Detection	6000m	12200m	600m

### Phenix Hong Kong Limited

Room 706-7, Yu Sung Boon Bldg., 107- 111 Des Voeux Road Central, Hong Kong

Email: [sales@phenixhk.com](mailto:sales@phenixhk.com)

Website: [www.hawkeye.com.hk](http://www.hawkeye.com.hk)