

# Krypton

## Технические характеристики

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Thermal Imaging Scope

# KRYPTON



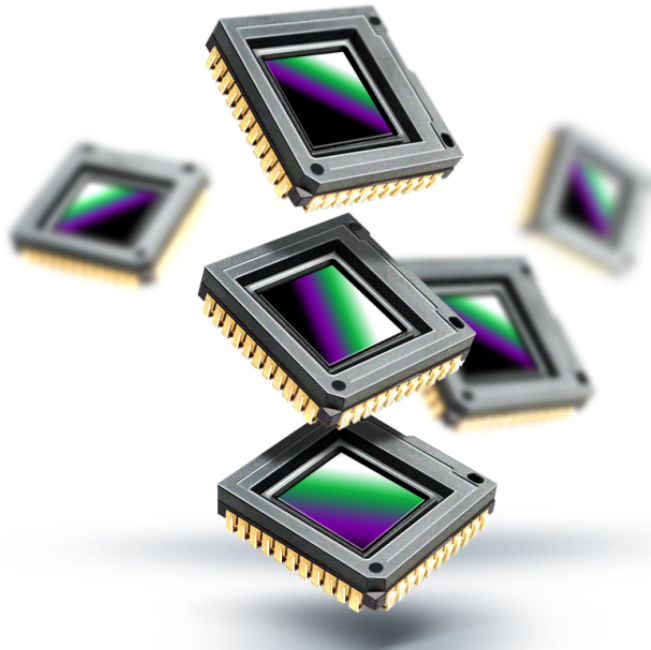
## THERMAL UPGRADE

Its 640x480 @ 12  $\mu\text{m}$  VOx sensor, HD AMOLED display, high performance electronics, smart design and advanced software make the Krypton XG50 an efficient and versatile thermal imaging device with the best image quality.



# Highly Sensitive 640x480/12 $\mu\text{m}$ Thermal Imaging Sensor

For image acquisition the KRYPTON uses a high quality 12  $\mu\text{m}$  thermal imaging sensor with 640x480 pixel resolution that offers an exceptionally crisp contrast image and excellent thermal sensitivity in all weather conditions.



A man with a beard and a cap is shown in profile, looking through a thermal imaging device. The background is dark and blurry, suggesting a night or low-light environment. A red lightning bolt icon is positioned above the main text.

# Detection Range Exceeding 2000 m

A powerful objective lens in combination with a professional grade 12  $\mu\text{m}$  sensor thermal imaging sensor provides exceptional detection capabilities. A standard 1.8 m (6 ft) tall object can be detected at a 2300 m (2500 yds) distance in complete darkness.



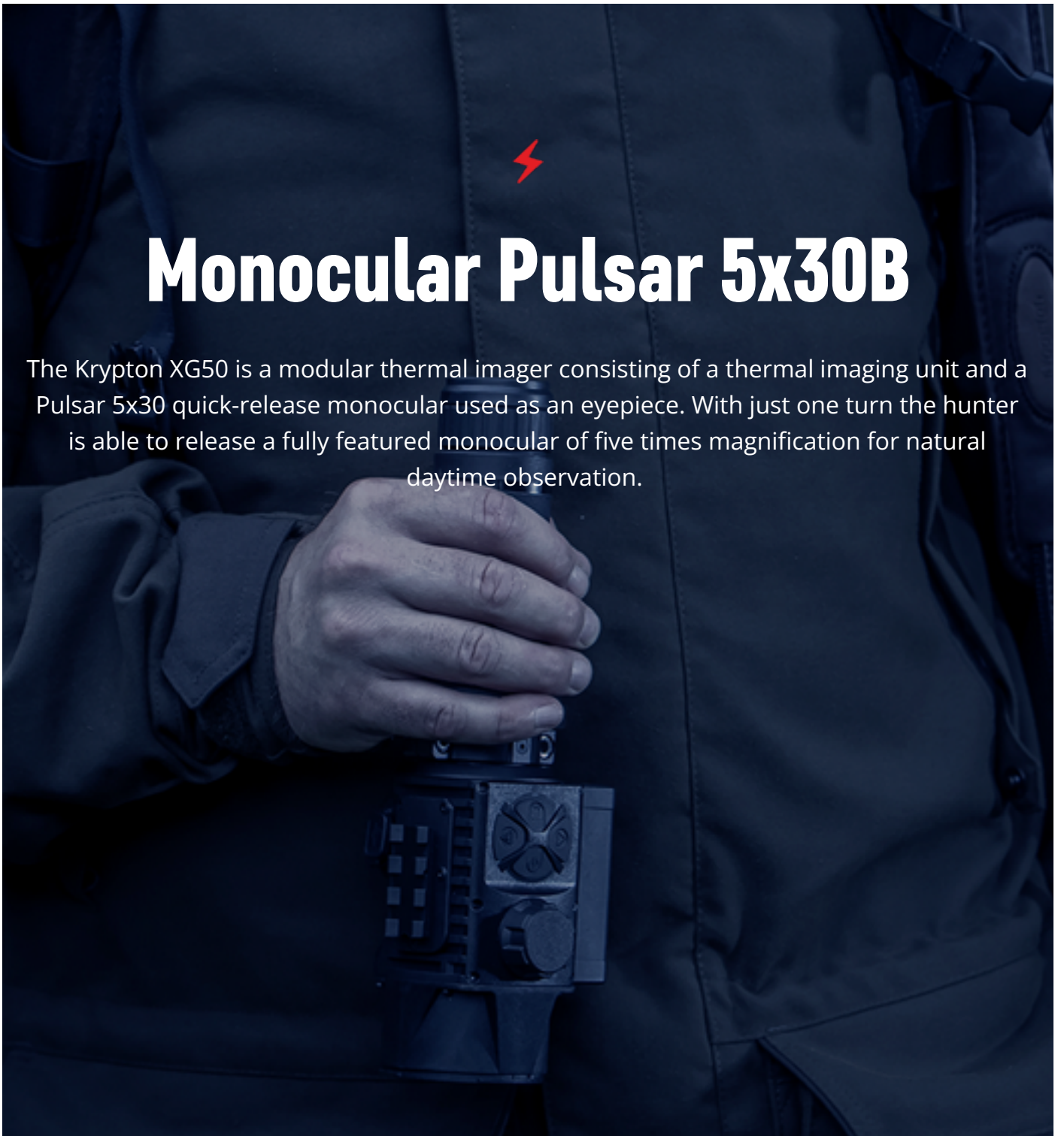
# High Definition Image

The Krypton XG50 thermal imager produces clear, high contrast images with precise tracing of contours and informative visualization of the smallest objects and areas with minimal temperature differences. A hunter is able to clearly identify objects, both target and background, as well as accurately evaluate the trophy.



# Monocular Pulsar 5x30B

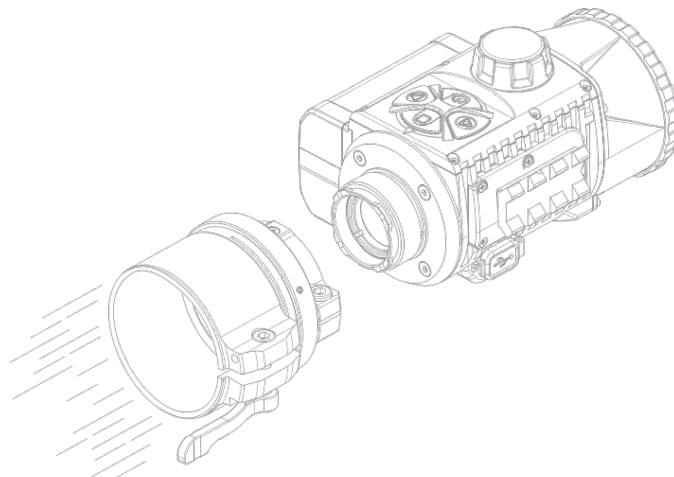
The Krypton XG50 is a modular thermal imager consisting of a thermal imaging unit and a Pulsar 5x30 quick-release monocular used as an eyepiece. With just one turn the hunter is able to release a fully featured monocular of five times magnification for natural daytime observation.





# Quick-release adapter with a mechanism for precise positioning of the thermal imager in the daytime optics field of view

The Krypton XG50 thermal imaging module attaches to spotting scopes and binoculars using a special PSP adapter, turning them into a thermal imaging observation device. On one end, the adapter is attached to the Krypton through a secure threaded joint, while the other end is mounted on the lens barrel of the daytime optics. The Krypton Quick Release Adapter can be removed from the daytime optics and reinstalled in seconds. The precise positioning mechanism allows perfect alignment of the thermal or night image in the daylight optics field of view to provide maximum viewing comfort. An important feature, the adapter can be mounted on the Krypton XG50 thermal imaging module even when being used with the Pulsar 5x30B monocular.





# Impact resistant magnesium alloy body

The rugged, lightweight magnesium alloy body provides high structural strength to protect the Krypton XG50 from impact forces and vibration. Resistant to external mechanical, temperature and climatic influences, the metal body effectively removes and dissipates heat from the electronic components of the thermal imager, increasing its operational stability.





# **Built-in Photo and Video Recorder with 16 Gb Memory**

The built-in video recorder is a great asset when it comes to filming or taking photos of once-in-a-lifetime experiences. One press of the REC button captures footage that can be shared easily with colleagues, friends and family. 16 Gb of internal memory holds many hours of recorded video and hundreds of photos and recorded files can be downloaded to PC or smartphone.

# 16GB



# HD AMOLED Display

A high-quality HD display provides clear, high-contrast images. Manufactured with AMOLED technology, the display offers efficient power consumption, a wide dynamic range and short response time, providing clear and smooth images particularly when viewed on the move or in freezing conditions.

AM  LED

The word "AMOLED" is displayed in a bold, dark grey sans-serif font. The letter "O" is replaced by a circular graphic with a rainbow gradient from red at the top to blue at the bottom. Inside the white circle of the "O", the letters "HD" are written in a simple, grey, sans-serif font.



# Long battery life

The quick release rechargeable IPS7 6.4 Ah power supply (B-Pack power system) that is included provides more than 8 hours of operation of the device at full capacity. Additionally, a higher capacity battery (IPS14, 12.8 Ah) is available separately, as well as a battery pack compartment compatible with LR6 (AA) batteries.





# Wi-Fi. Integration with IOS and Android devices

The built-in WiFi module connects the device with either Android or iOS smartphones using the Stream Vision 2 mobile app. This combination opens up a wide range of options: wireless device software updates, real-time image transmission to the mobile device screen, remote control digital functions and much more. Users registered in the application are provided with cloud storage space for photos and videos taken with a digital or thermal imaging device. An important feature is that the device is still compatible with the previous, first version of the Stream Vision application.



# More features



## Software Evolution Support

A smartphone, the free mobile application Stream Vision and Internet access is all one needs to check updates and to install new firmware. This allows a user to improve or add new features to a Krypton he/she already owns.

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## IPX7 Waterproof Rated

The IPX7 waterproof rating protects against heavy rainfall, snow or other precipitation. The KRYPTON is designed to run flawlessly, even after submersion in up to 3 feet of water for up to 30 minutes.

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## Wide Range of Operating Temperatures (-25 to +50°C)

The housing, power unit, optics and electronics of the Krypton are designed for applications in a wide range of temperatures. The Krypton ensures reliable and effective performance in extreme cold down to -25°C.

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# Specifications



## Krypton XG50

### Main

Sensor	640x480 @ 12 $\mu$ m (VOx)
Objective lens	F50/1.2
Magnification, x	5
Detection range, m	2300

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Sensor	640x480 @ 12 $\mu$ m (VOx)
Objective lens	F50/1.2
Magnification, x	5
Field of view (HxV), degrees / m@100m	-
Detection range, m	2300

### Sensor

Type	VOx, uncooled
Resolution, pixels	640x480

Pixel pitch, $\mu\text{m}$	12
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NETD, mK	-
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Frame rate, Hz	50
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## Optics

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Objective lens	F50/1.2
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Magnification, x	-
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Field of view (HxV), degrees / m @ 100 m	8.7 x 6.5 / 15.4 x 11.6
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Eye relief, mm	-
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## Display

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Type	AMOLED
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Resolution, pixels	1746x1000
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## Range Performance

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Detection range, m	2300
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## Laser Rangefinder

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Safety class for laser equipment according to IEC 60825-1:2014	-
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Wavelength, nm	-
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Max. measuring range, m	-
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Measurement accuracy, m	-
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## Video Recorder

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Video / photo resolution, pixel	960 x 720
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Video / photo format	.mp4 / .jpg
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Built-in memory, GB	16
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Built-in memory capacity	-
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## Wi-Fi

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Wireless Protocol	-
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Wireless Standard	802,11 b/g
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Frequency, GHz	2.4
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## Bluetooth

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Wireless Standard	-
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Frequency, GHz	-
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## Environmental Characteristics

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Degree of protection, IP code (IEC60529)	-
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Operating temperature range, °C	-
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## Connections and Compatibilities

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Mount, type	-
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Remote control	-
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Supported Application	Stream Vision 1, Stream Vision 2
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## Power Supply

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Output voltage, V	3.0 – 4.2
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Battery type	Li-Ion Battery Pack IPS7
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Capacity, mAh	6400
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Operating time on battery pack (at t=22°C), h *	-
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External power supply, V	5 (microUSB)
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## Weight & Size

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Body material	-
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Dimensions, mm	143 x 93 x 76
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Weight, kg	0.69
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## Trade Data

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SKU (Model #)	77375
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Status	-
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