



Senopex

TITAN

**Multifunctional
Thermal Binoculars**

Multifunctional ALL-IN-ONE Thermal Binoculars



Dual Vision, Dual Channel

Switch between Thermal mode and visible light mode (digital night vision) to detect your target either at highlighted or with details. Using as a dual channel device to survive during both day and night time.

Built-in Laser Range Finder

Precise laser range finder for measuring distances with simple one-click. Senopex provides customize laser range finder solution from 1km to 6km to detect animals, man-size targets, vehicles and buildings in any weather conditions.

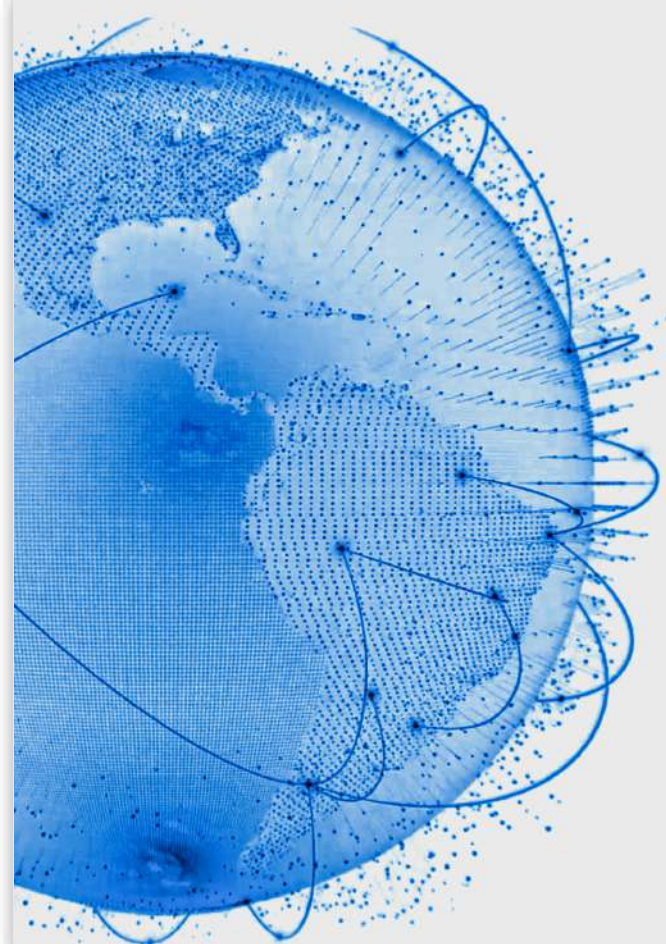


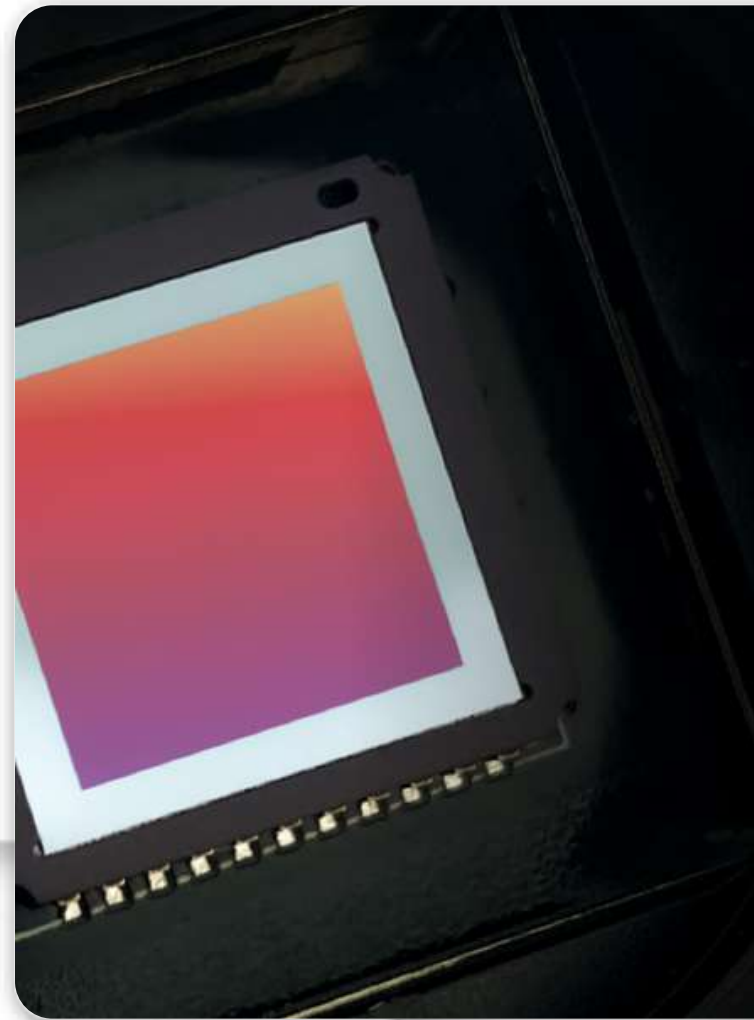
Built-in GPS Module

High accuracy GPS system enable the device to recognize your location anywhere and anytime.

Built-in Digital Magnetic Compass

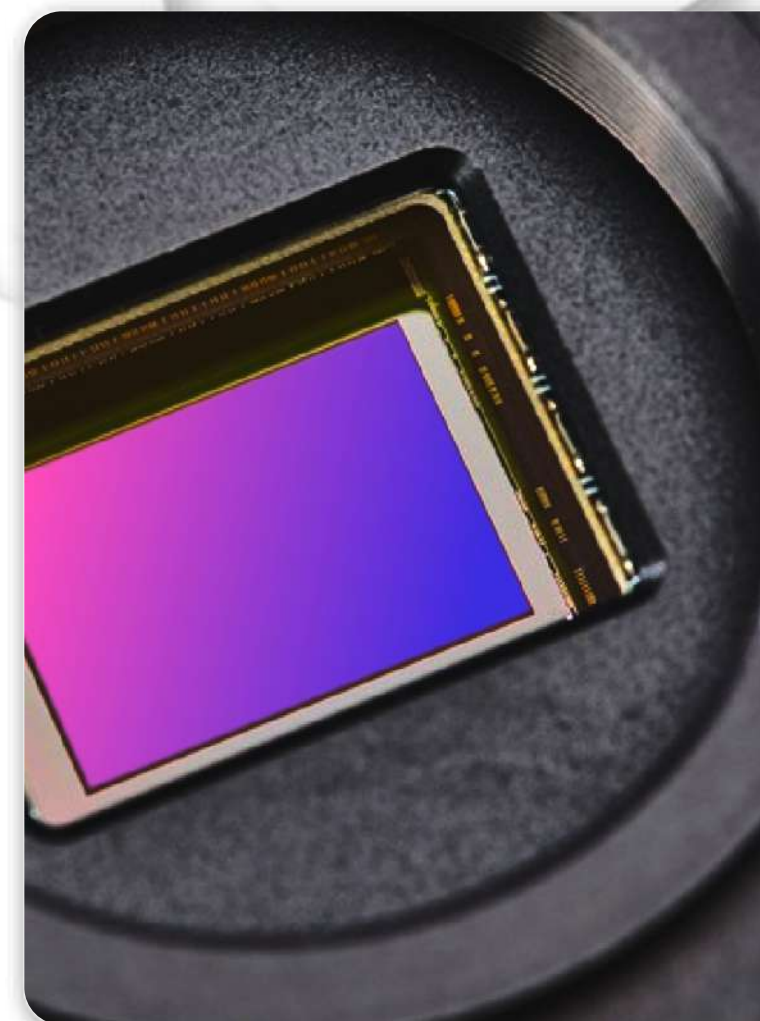
Dynamic digital compass function enables you to know the exact direction heading for.





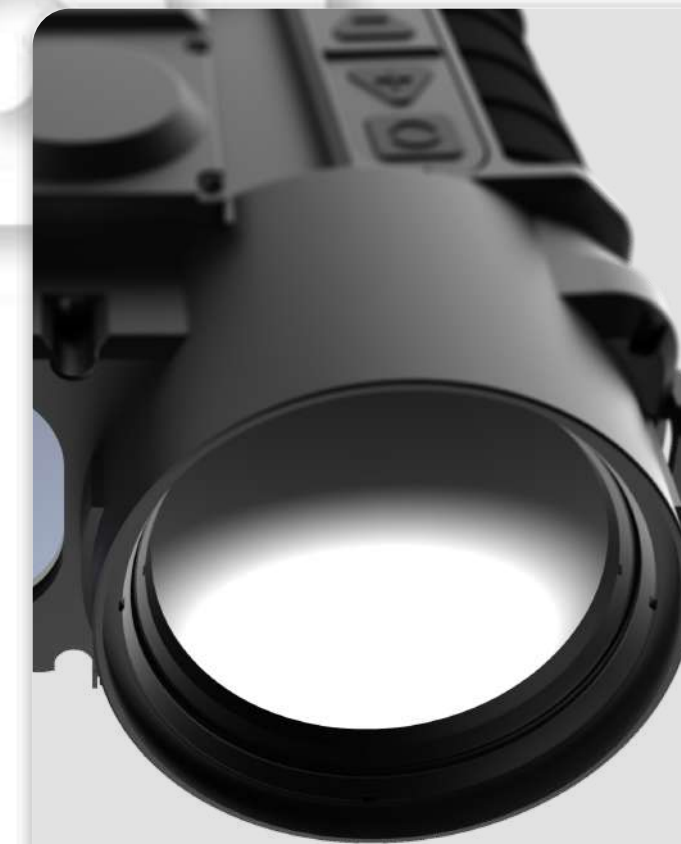
12-Micron Technology @30mk

Cutting-edge **12 μ m** thermal technology to realize **<30MK NETD** for sharp and detailed imagery. Use it for all weather conditions with confidence.



HD Color CMOS Detector

1280*720 high resolution CMOS detector provides ultra-smooth digital night vision experience.



Large Aperture F1.0 Germanium Lens

All Senopex uncooled thermal binoculars are built with **F1.0** aperture for the best result of transmissivity and overall optics system sensitivity.



Military Standard 0.5 Inch HD OLED

High resolution military standard OLED display with high optical magnification makes hunting and searching easier. The Dot is designed for an extreme temperature range of **-40°C + 60°C**.



Aircraft-grade Aluminum Alloy Housing

Hard-anodized aluminum alloy housing without any plastic parts to ensure the best durability.



Unparalleled Detection Range

Large aperture lens, high basic magnification and cutting-edge thermal imaging algorithm ensure the unparalleled detection range of **3.6km** for man-size targets and **7.2km** for vehicles.

Picture in Picture

PIP allows you to see targets on top center of the screen, so you can keep an eye on what you're aiming with digital magnification.

IP67 Rated

Genuine IP67 protection level with proved tests and certificate. The unit can be dropped into a body of water up to a meter deep for half an hour.

More Features

High Frame Rate

High frame rate ensures vivid and flawless thermal image always displayed.

Picture & Video Recorder

Built-in picture and video recorder with 32G memory.

Hot spot tracking

Detect and track the hottest spot within the field of view in real-time.



TITAN Uncooled Multifunctional Thermal Binoculars - Technical Specifications 1

THERMAL DETECTOR

Detector Type Uncooled Microbolometer	Detector Resolution 640*512	NETD ≤30mK	Pixel Pitch 12μm
Spectral Range 8-14μm	Frame Rate 50Hz		

LOW-LIGHT CMOS DETECTOR

Detector Type HD Color CMOS	Detector Resolution 1920*1018	Pixel Pitch 3.5μm	Frame Rate 50Hz
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Optics

Thermal Lens 75mm F1.0	FOV 5.9°x4.4°	Visible Light Lens 4.7mm ~ 47mm Optical Zoom	Detection Range 3.6km (Human)/7.2km(Vehicle)
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IMAGE PROCESSING

Digital Zoom X2 X4 X6 X8	Display OLED 1024*768	Image Enhancement DDE	Image Correction Non-uniformity Correction
Polarity Whitehot/Blackhot/Digital Night Vision/ Multiple Palettes			

LASER RANGEFINDER

Wavelength 905nm	Measurement Accuracy ±1m	Measuring Range 3km(Customizable up to 10km)
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TITAN Uncooled Multifunctional Thermal Binoculars - Technical Specifications 2

DIGITAL COMPASS & GPS

Compass Measurement Accuracy
≤2°

GPS Measurement Accuracy
±3m

POWER SUPPLY

Battery Type
18650 rechargeable battery

Working Time
6 hours

SYSTEM ELECTRICAL INTERFACE

Serial Communication Interface
RS232

Video Output
PAL

Video Format
AVI

Picture Format
JPG

Memory Card
32G Built-in

Data Interface
USB 2.0

ENVIRONMENTAL PARAMETERS

Working Temp.
-40°C ~ +60°C

Storage Temp.
-50°C ~ +60°C

Protection
IP67

PHYSICAL PARAMETERS

Weight
2.1kg

Dimensions
210×250×100mm



Military Standard Thermal For Hunting & Law Enforcement

Senopex