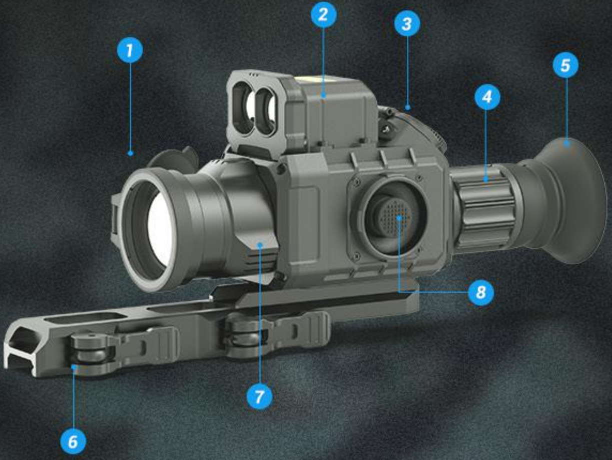
CONOTECH

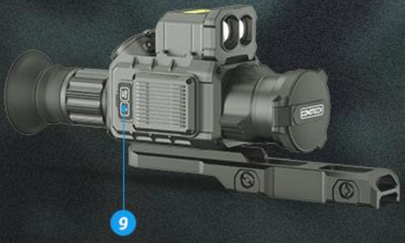
POLARIS

Compatible with both the 640 and 384 version

- Built-in laser rangefinder(optional)
- User-friendly menu
- Waterproof
- Built-in video recorder and WIFI connection
- Lightweight and compact design

Ergonomic design

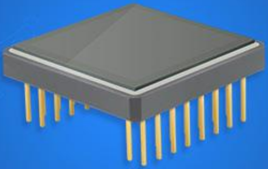




1. Lens cover
2. Built-in laser rangefinder
3. Battery compartment cap
4. Dioptor adjustment ring
5. Eyepiece
6. Picatinny rail
7. Detachable focus ring
8. Button
9. Video out/USB

High sensitive

Thermal image sensor



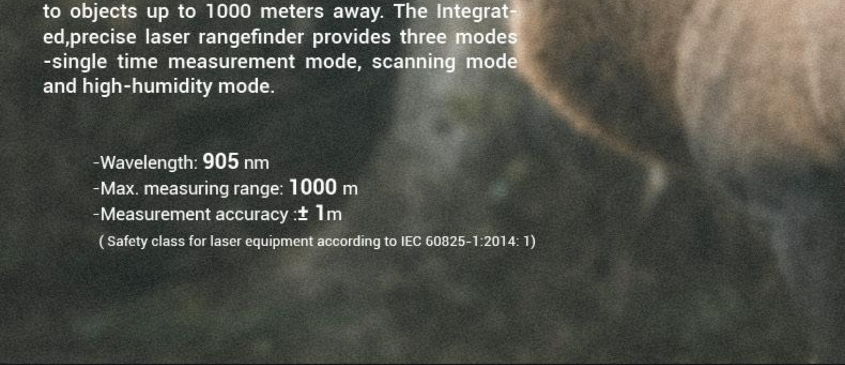
The units have high sensitive thermal imaging sensor. This provides Polaris with the perfect detail recognition even when the thermal contrast of the surroundings is low - during the snow, dust, smoke, fog, haze, and other atmospheric obscurants.

IP67

IP67 waterproof-rated for protection from heavy rainfall, snow or other precipitation. The unit is designed to run flawlessly, even after submersion in up to **1** meter of water for up to **30** minutes.

Built-in Laser rangefinder(Optional)

Polaris is capable of accurately measuring distance



to objects up to 1000 meters away. The Integrated,precise laser rangefinder provides three modes -single time measurement mode, scanning mode and high-humidity mode.

- -Wavelength: **905** nm
- -Max. measuring range: **1000** m
- -Measurement accuracy :**± 1**m

(Safety class for laser equipment according to IEC 60825-1:2014: 1)

1200G shock resistance

Polaris features high shock resistance and can be used with rifled hunting weapon for such cartridges as **9.3x 64, .30-06, .300, .375. etc**, and with smooth-bore and airsoft weapon

Wifi and on-board recording

Built-in Wi-Fi module allows you to connect the Polaris with mobile units which enables you to receive footage in the real-time mode and save the image/video captured by the device.32 Gb of internal memory provides enough space for recording and taking photos of exciting moments.

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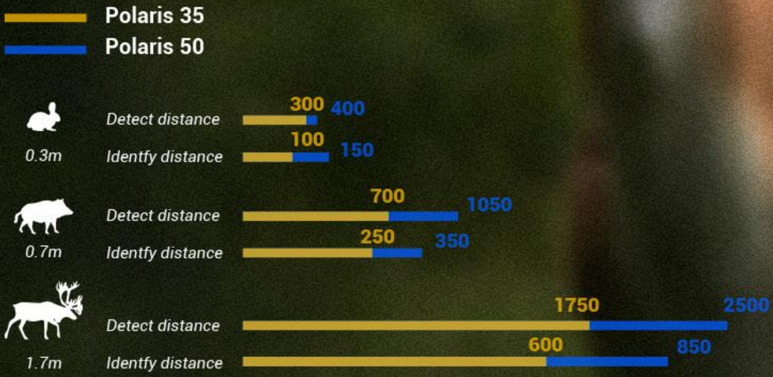
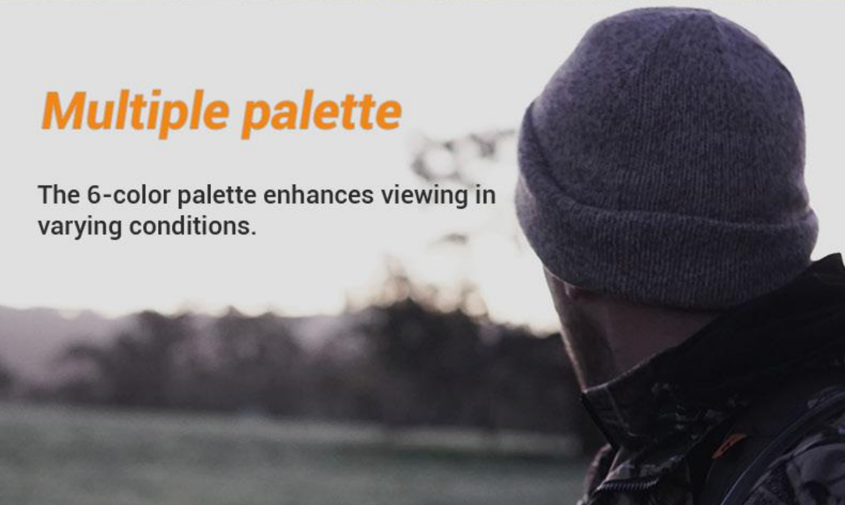
Google play

Available on the App Store

Detection Range

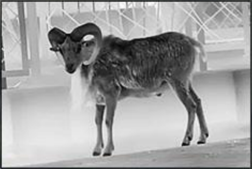
A powerful F35 /1.1 or F50/1.1 objective lens combined with a highly-sensitive thermal imaging sensor provides exceptional detection capabilities.



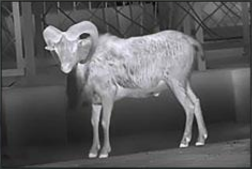


Multiple palette

The 6-color palette enhances viewing in varying conditions.



C1



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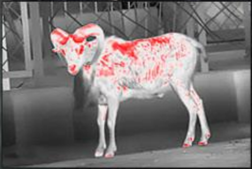

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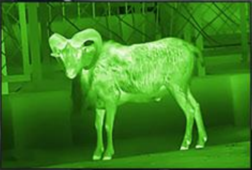
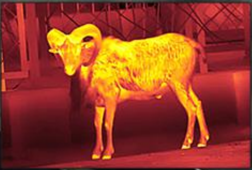
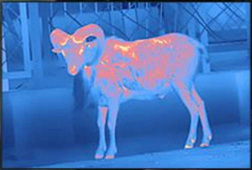


C4



C5



C6

Long lasting operation time

Polaris gives out long lasting operation time.External sources, such as power banks power bank with high-capacity is also capable of increasing the total operation time. 2 pcs of 18650 batteries meet the hunting needs of one night.

8650
ge is 4.2v
8+ hrs

More features

High-resolution OLED display

1024×768 high-resolution OLED display offers a crisp, richly contrasted, vividly colored image.

Picture-in-Picture function

Picture-in-picture displays a X2 image at the top-center of the overall field of view for precise zooming on an object of interest.

Selectable reticle

A full complement of digitally displayed reticle solutions ensures quick target acquisition and a richly contrasting sight picture. Choose from an array of reticle patterns, colors and brightness settings.

5 types of zeroing parameters memorization

Polaris has the function of saving five user's zeroing profiles in the memory (for different types of weapons or ammunition), in each case a different reticle can be applied. In addition, each profile allows zeroing at five different distances. Zoom zeroing support ensures particular zeroing precision.

High image frequency

Due to the high image frequency, it is comfortable to use thermal camera dynamically (during rapid moving of observer or object of observation).

User-Friendly interface

Polaris is designed with ease-of-operation in mind. User feedback has resulted in the most friendly interface to date, complete with an easy-to-read, icon-driven, alpha-numeric status bar at the bottom of the display. Internal menu items and options are also displayed on a contrasting gradient substrate so you can keep an eye on settings without losing sight of your objective.

Polaris 335R
Polaris 350R
Polaris 650R

Polaris 335RL
Polaris 350RL
Polaris 650RL

Polaris Technical Data Sheet						
	Polaris 335R	Polaris 335RL	Polaris 350R	Polaris 350RL	Polaris 650R	Polaris 650RL
Detector						
Type	Uncooled Vox				Asi	
Resolution	384×288				640×480	
Frame rate	50Hz					
Pitch	17μm					
Spectral range	8-14μm					
NETD	Less than 35mk					
Optical Characteristics						
Objective lens	35mm/F1.1		50mm/F1.1		50mm/F1.1	
Magnification	1.9x		2.7x		2.4x	
FOV	10.7°×8.0°		7.5°×5.6°		12.5°×9.4°	
Close-up range	5m					
Dioptre adjustment	-5D-4D					
Functions						

Zoom	2x/4x/PIP					
Palette	6 optional(can be customized)					
Start up time	Less than 5 seconds					
Start up image	Can be customized					
Menu and information	GUI(Can be customized)					
Image enhancement	DDE					
Contrast and brightness	AGC					
Online update	Both code and GUI resources					
Display						
Type	OLED					
Resolution	1024×768					
External video	PAL、WIFI					
Storage	32G					
Power Supply						
Battery	2x18650					
External power supply	5V micro USB					
Working time with battery	8h				6h	
Physical Characteristics						
Weight without battery	618g	688g	650g	720g	630g	700g
Size	180*76*83mm	180*76*100mm	196*76*83mm	196*76*100mm	188*76*83mm	188*76*100mm
Environmental Compatibility						
Water proof	IP67					
Operating temperature	-20℃-50℃					
Storage temperature	-40℃-60℃					
Laser Rangefinder(Optional)						
Safety class for laser equipment according to IEC 60825-1:2014	1					
Measuring range	5-1000m					
Measurement accuracy	± 1m					

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