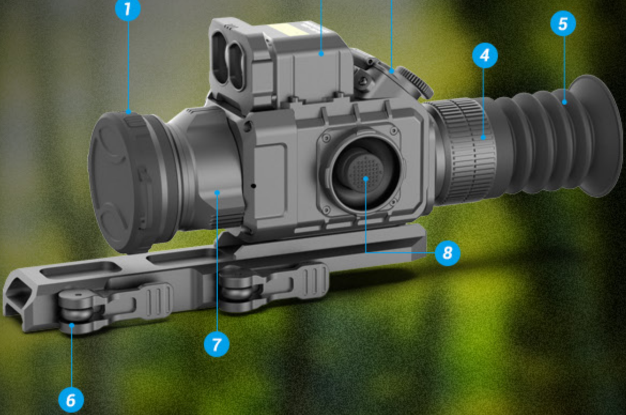
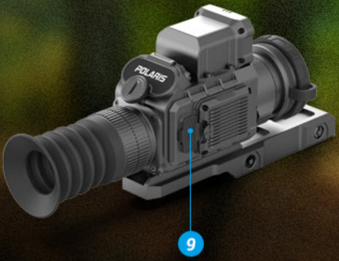
POLARIS 640

Thermal Imaging Sight

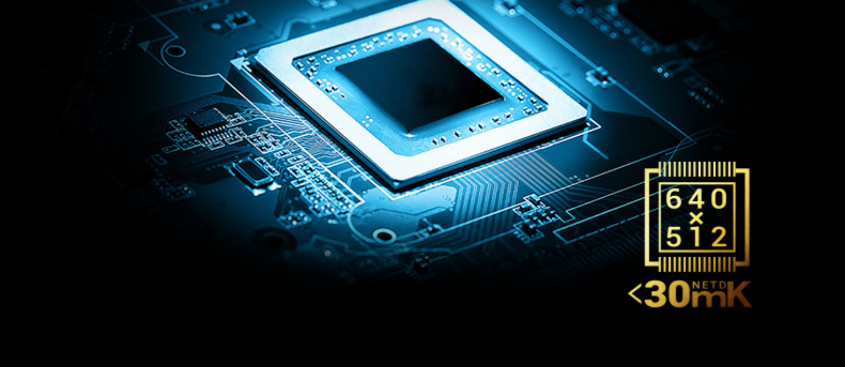
Ergonomic Design



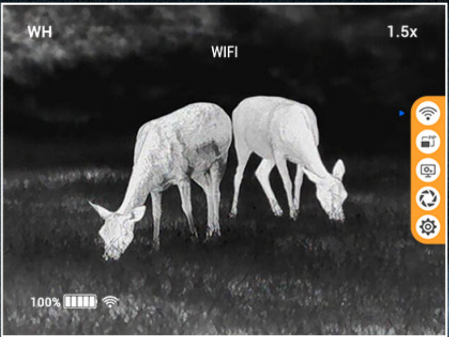


1. Lens cover
2. Built-in laser rangefinder
3. Battery compartment cap
4. Dioptor adjustment ring
5. Eyepiece rubber
6. Picatinny rail
7. Focus ring
8. Button
9. Video out/USB

12μm Advanced Imaging Sensor



High Definition Image



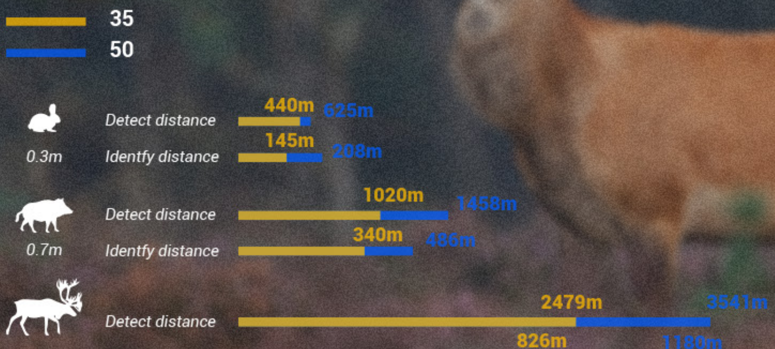
IP67 Waterproof Rated

Built-in Precise Laser Rangefinder

Reading Up To **1km**

CLASS 1
LASER PRODUCT
BS/EN 60825 1:2014

Extreme Detection Range



1.7m Identfy distance

1200G High Shock Resistance

Recoil Rated up to **17HMR, .223, .243,.270 Win, 7mm Rem, .308Win, .30-06, .300 Win, 9,3×62.etc.**

6 Adjustable Color Palettes

BH--Black Hot

WH--White Hot

WW--Warm White

CG--Cold Green

GB--Glowbow

RB--Rainbow

Wifi And On-board Recording

32
GB
POLARIS
Welcome to CONNECT.

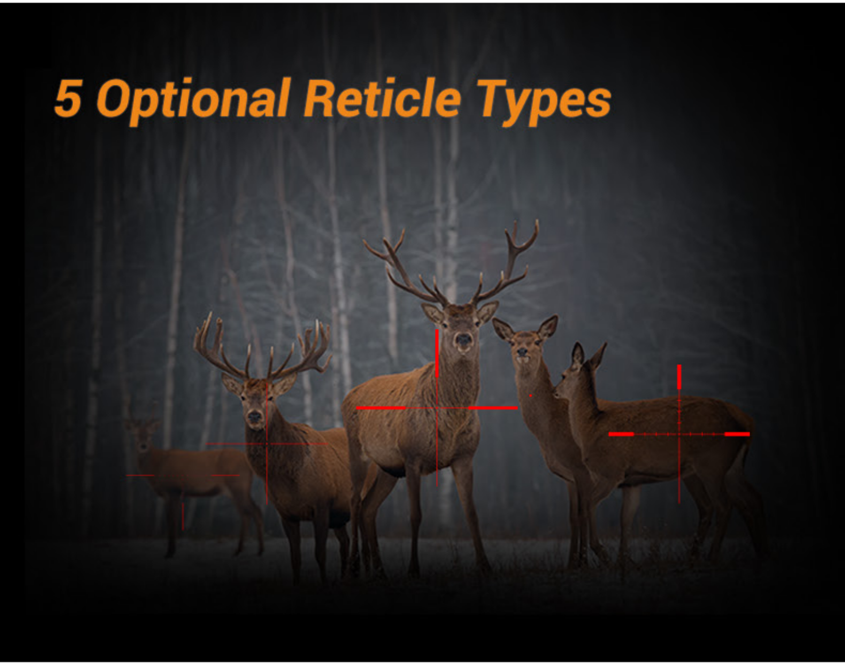
Connect
Wi-Fi System Setup

CONOTECH

ANDROID APP ON Google play

Available on the App Store

5 Optional Reticle Types



Up To 6 Hours Continuous Working

Polaris Technical Data Sheet				
	635R	635RL	650R	650RL
Detector				
Type	Uncooled Vox			
Resolution	640X512			
Frame rate	50Hz			
Pixel	12um			
Spectral range	8~14um			
NETD	30mk			

Optical Characteristics				
Objective lens	35mm/F1.0		50mm/1.0	
Magnification	1.5X		2.2X	
FOV	12.6X10		8.8X7	
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			
Image enhancement	DDE			
Contrast and brightness	AGC			
Online update	Both code and GUI resources			
Display				
Type	OLED			
Resolution	1024×768			
External video	WIFI			
Storage	32G			
Power Supply				
Battery	2x18650			
External power supply	5V micro USB			
Working time with battery	6h			
Physical Characteristics				
Weight without battery	623g	693g	665g	720g
Size	178*76*83mm	178*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	/	1
Measuring range	/	5-1000m	/	5-1000m
Measurement accuracy	/	± 1m	/	± 1m

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