

Model			
	RL 42	RH 35	RH 50
Detector Resolution	384×288	640×512	
Pixel Size, μm	12		
NETD, mK	≤40		
Frame Rate, Hz	50		
Eye Relief, mm	55		
Exit Pupil Diameter, mm	6		
Magnification, ×	4~16	2-8	2.8~11.2
Objective Lens	F42/1.1	F35/1.0	F50/1.1
Display Resolution	1024×768 OLED		
Display Size, inch	0.39		
Laser Rangefinder	Optional		
Battery	3.7 V / 4400 mAh		
Max. Battery Life, h	6		
Degree of protection, IP code	IP67		
Weight (without batteries), g	830	840	
Dimension, mm	250×65×58	250×61×58	
Detection Range, m (Target size: 1.7 m×0.5 m, P(n) = 99%)	2179	1818	2594



IRay Technology Co., Ltd.

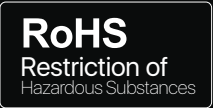
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Rico Series

Rico series was built to do two things: Make the best image possible and be easy to use. The heart of the Rico is a 50hz 12μm Vox sensor featuring advanced image processing algorithm, seamlessly paired with an extremely high contrast AMOLED display. Unmatched image quality with an intuitive and easy to use interface, expandable laser ranging finder, 1000 G shock resistance and replaceable battery pack, Rico gives you all the tools you need to take your hunt to the next level. The Rico Series include RH50 features a visual magnification of 3×, RL42 of 4×, and the new RH35 of 2×.

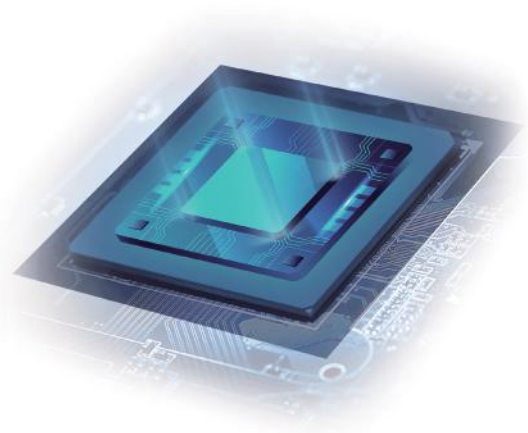
RL 42 / RH 35 / RH 50



High Image Quality

The Rico series adopts the 12 μ m detector with 384×288, 640×512 high resolution, while the focal-length objective lens has covered 35mm, 42mm to 50mm, with AMOLED display and upgraded algorithms, all of which have offered you vivid, highly detailed thermal images. It is easier to search for targets in the dark with amazingly sharp image quality.

12 μ m



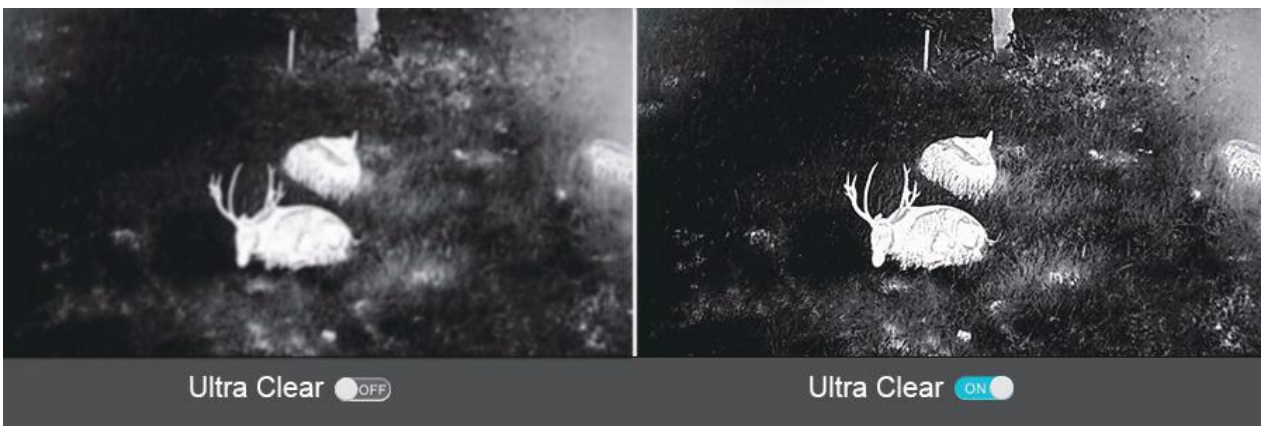
Expandable Laser Ranging Function

The Rico series offers laser ranging capabilities, which can accurately capture and display the target distance with an accuracy of ± 1 m and a maximum distance of 1000 m. There are two ranging modes: single and continuous. Continuous ranging mode can be quickly activated to accommodate changing distances.



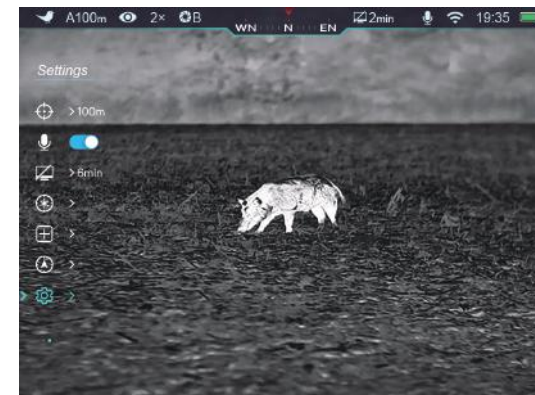
Ultraclear Mode

The built-in ultraclear mode is especially designed for harsh weather conditions, such as in heavy fog and rain. It will be more sensitive and display more details.



High Shock Resistance

Recoil rated up to 6,000 joules for flawless performance on larger calibers up to .375H&H,12-gauge and 9.3x64



User-Friendly Interface

Simple and easy to operate is the initial design intention of the Rico series. The vivid icon design offers a visualized guide and translucent background of the menu display, ensuring the user to observe the target unobstructed.



1024×768 AMOLED Micro Display

The high contrast AMOLED micro display with HD resolution offers sharp image and vivid colors. The display screen has excellent image quality and gives a flawless performance, even in freezing temperature.



Replaceable Battery Pack

A high quality and efficient li-ion 3.7 V, 4400 mAh battery pack operates the Rico for a minimum of 6 hours, and up to 10 hours on standby. The battery can be quickly removed and replaced with a new one with external power connected to the USB-C connector if you don't want to power off.



Picture-in-Picture

The Picture-in-Picture function improves accuracy by providing a 2 x-magnified image of the reticle area, at the top of the display. It helps to magnify the target while maintaining visibility of the entire field of view.

Video Recording

The Rico series offer video record and image capture during observation. The video and photo can be easily transmitted via wired or WiFi connection.



Photo



Video



WiFi