



Built-in Accelerometer and Digital Compass

The built-in accelerometer and digital compass improves accuracy by precisely identifying cant and angles. It can indicate the direction and degree of lateral tilting.



Compass



Msensor

Model	 RL 42	 RH 50
Detector Resolution	384×288	640×512
Pixel Size, μm	12	
NETD, mK	≤50	
Frame Rate, Hz	50	
Eye Relief, mm	55	
Exit Pupil Diameter, mm	6	
Magnification, ×	4~16	2.8~11.2
Objective Lens	F42/1.0	F50/1.2
Display Resolution	1024×768 OLED	
Display Size, inch	0.39	
Laser Rangefinder	Optional	
Battery	3.7 V / 3600 mAh	
Max. Battery Life, h	6	
Degree of protection, IP code	IP67	
Weight (without batteries), g	600	650
Dimension, mm	250×65×58	250×61×58
Detection Range, m (Target size: 1.7 m×0.5 m, P(n) = 99%)	2179	2594



Rico Series

The Rico series is a multifunctional and highly expandable infrared thermal imaging product. The product is featured with alterable **laser rangefinder**, detachable battery pack, eyepiece magnification up to 14 times, and comprehensive upgrade of software interface. With the updated, the Rico series also offers advanced image correction and automatic image optimization.



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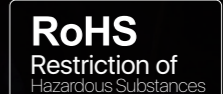
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RL 42 / RH 50



High Image Quality

The Rico series is embedded with an infrared, independently developed high performance VOx detector, which offers you vivid, highly detailed thermal images. It is easier to search for targets in the dark with amazingly sharp image quality.

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.

12 μ m Thermal Imaging Sensor

High performance 12 μ m pixel Pitch detectors are embedded.

Ultraclear Mode

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

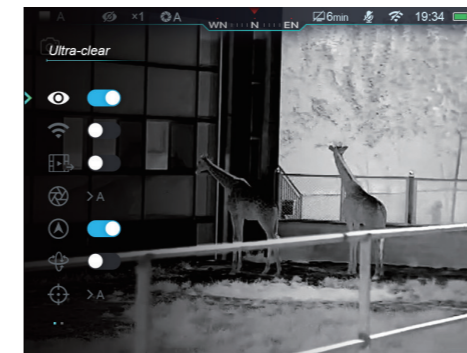


IP67 Fully Waterproof

It is waterproof, dust-proof and the device can perform amazingly even in extremely harsh environments such as heavy rain and snow.

High Shock Resistance

The Rico series features exceptionally high shock resistance.



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.



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

The Rico series support a 3.7 V, 3600 mAh large capacity battery pack that operates for 6 hours. With the ability to maintain continuous power supply at any time outdoors, it provides an ideal battery solution. The batteries can be quickly removed and replaced with new ones in a matter of seconds.



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.

