


Model



RH50Pro

Detector Specifications	
Type	Vox
Resolution, pixels	640×512
Pixel size, μm	12
NETD, mK	≤40
Frame rate, Hz	50
Optical Specifications	
Objective Lens, mm	25/50
Field of View (H×V), °	17.6*13.2/8.8*6.6
Linear Field of View (H×V), m at 100m	30*24/15*12
Optical Magnification, ×	1.5x/3x
Digital Zoom, ×	1~4
Eye Relief, mm	55
Exit pupil Diameter, mm	6
Diopter,D	-4 ~ +4
Detection Range, m (Target size: 1.7m×0.5m, P(n)=99%)	2600
Display Specifications	
Type	OLED
Resolution,pixels	1024×768
Battery Power Supply	
Battery	2 Replaceable Li-Ion Battery IBP-1/ 4400mAh
Max. operating Time(22°C)*, h	6
External Power Supply	5V (Type C)
Physical Specifications	
Wi-Fi/APP	Support (InfiRay outdoor)
Photo/Video Recorder	Support
MIC	Support
Memory Capacity	32GB
IP rating	IP67
Operating Tempeture,°C	-20 ~ +50
Weight, g	830
Dimension, mm	250×65×58
Body Material	Magnesium Alloy
Max. recoil power on rifled weapon (Eo), Joules	6000
Functions	
Laser rangefinder	Optional
Measuring Range, m	1000
Measurement Accuracy, m	±1
Wavelength, nm	905



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# Rico Series

## RH50 PRO

The InfiRay Outdoor RICO PRO was built to be the most advanced dual field-of-view (FOV) thermal rifle scope available to the commercial market.

InfiRay Outdoor’ s patented dual FOV objective lens allows users to seamlessly switch between a wide FOV for detection and a narrow FOV for target identification.

Unmatched image quality, paired with an intuitive and easy-to-use interface, HD display, 6-hour run-time, aluminum alloy housing, and 32GB of internal memory, gives you all the tools you need to take your hunt to the next level.





## Dual FOV Objective Lens

The RICO PRO and its industry-first dual FOV 25mm/50mm objective lens gives you the power to switch between a wide FOV for detection and a narrow FOV for target identification. This 2× increase in optical magnification occurs with an intuitive twist of the zoom ring and maintains 100 percent of the sensor's native resolution. Closing the distance with a thermal scope has never been this fast.



## Zeroing One Time for Two FOV

Once you completed the zeroing on one FOV, the reticle will be calibrated automatically into the zero position on the other FOV. Worry-free for precision shooting under two FOVs and saving you time & bullets.

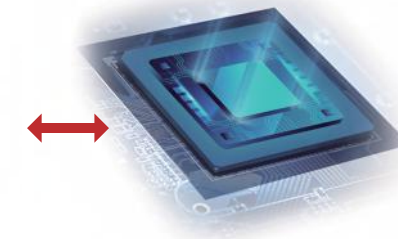


## Intuitive And Easy-to-use Interface

Simple and easy to operate is the initial design intention of the RH50 PRO. The vivid icons offer a visualized guide. The translucent background of the menu display ensures the user observes the target unobstructed.



# MATRIX III



## Unmatched Image Quality

The combination of 640×512 12 μm thermal detector and the MATRIX III image algorithm ensures RH50 PRO can generate crisp image under harsh conditions.

## Seamless Switch

The separation of the lens focus knob and zoom ring realize the seamless switch of FOV. The image can maintain sharp after the switch of FOV, no need for repeated focusing. Opportunity only knocks once for a nice shot and this special design leaves you more time for target identification.



## IBP-1 Battery Pack

One field-swappable lithium battery offers 6+ hours of run-time.

