

INFIRAY OUTDOOR
RICO MK2 LRF

RANGEFINDING RUGGED INFRARED COMPACT OPTIC

Built upon the original RICO Mk1 series, the RICO Mk2 LRF was designed with an integrated 1,200-yard capable rangefinder, a 60 Hz refresh rate, and increased sensitivity to an impressive ≤ 20 mK. The RICO Mk2 features a high-performance 12 μ m Micro II core, a 1750-yard detection range, and an ultra-high-contrast 2560 \times 2560 AMOLED HD display for an unparalleled viewing experience. The RICO Mk2 takes its image processing one step further with Advanced Image Correction and Automatic Image Optimization courtesy of its MATRIX III processor. An intuitive and easy-to-use interface combines with a picture-in-picture function, 5+ hour run-time, magnesium housing, 1000 G/s² shock-resistance, and 32 GB of internal memory. The RICO Mk2 also unlocks advanced features such as a rotating zoom lever, magnetic charging port, and recoil activated video.





RICO Mk2 LRF		RH50R
SENSOR		
Resolution		640×512
Pixel Size		12 μm
Frame Rate		60hz
Sensor Sensitivity		≤20 mK
Image Processing		MATRIX III
Core		InfiRay Micro II 640
OPTICS		
Objective Lens		50 mm f/1.0
Magnification		3×
Digital Zoom		4×, Stepped
Field of View		8.8° × 6.6°
Detection Range		2400 Yards
Display Type		1.03-inch Large-format AMOLED
Display Resolution		2560×2560
Color Palettes		White Hot, Black Hot, Red Hot, Rainbow, Violet, Crimson, Viridian
Reticle Types		8 (7 Static, 1 DIY)
Reticle Colors		Black Red, Black Green, White Red, White Green, Black White, White Black, Crimson, Viridian
Mounting System		Picatinny MIL-STD 1913 Rail
P.I.P		Yes
Rangefinder		Integrated 1200yd LRF
Eye Relief		60 mm
Diopter Range		-3 to +3
ELECTRONICS		
Onboard Recording		Video, Recoil-Activated Video, and Image
Onboard Storage		32 GB
Wireless Connectivity		Video and Image via App
Data/Power Connector		USB-C
Power Supply		USB-C External, IBP-5 Li-ion Battery Pack ×2 (5+ Hours Each)
Start Up Time		<10 Seconds, Instant from Standby
PHYSICAL		
Size		9.50" × 3.00" × 3.75"
Weight		36.63 Oz
ENVIRONMENTAL/WARRANTY		
Warranty		5 Years
Housing Material		Magnesium Alloy
Ingress Protection		IP67
Operation Temperature		-4°F ~ 122°F
Max. Recoil		1000 g/s ² (300 Win./7mm Mag)

Top-Side Focus Control

Easy, precise, and fast manual focus control dial.

In-line Button Design

Easy to use, even with gloves.

Quick-access Digital Zoom Control

Intuitive and smooth digital zoom control dial steps in precise .1x increments

Integrated Laser Rangefinder

Provides real-time range data (single-firing or continuous) on the display.

Magnetic Connection

A magnetic USB interface provides quick and easy cable attachment for charging and data transfer.

New Dual Locking Mount

Return-to-zero quick detach Picatinny rail mounting system for fast removal and repeatable installation.

Manual Focus f1.0 Lens

The 50 mm germanium lens provides a native 3X base magnification.

Updated Lens Cover Design

Improved objective lens cap opens quickly and quietly and locks closed with a strong latch.



INTEGRATED LASER RANGEFINDER



SMOOTH-STEP™ ZOOM CONTROL



The Mk2 series features a new quick-connect magnetic charging interface (cable included). Underneath the magnetic charging receiver is a female USB-C port for standard charging.

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