

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 2560x2560 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		640x512	
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		2560x2560	
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

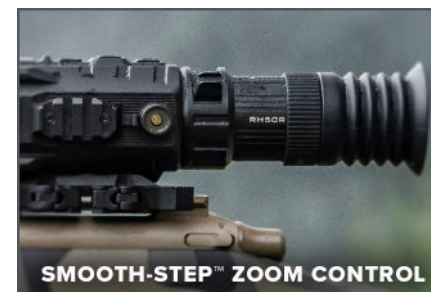
The 50 mm germanium lens provides a native 3X base magnification.

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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2601 SH 121, Building 3
 Suite #306
 Lewisville, TX 75056

800-769-7125
 682-499-0047
 info@irayusa.com