

INFIRAY OUTDOOR
RICO MK1 V2

RUGGED INFRARED COMPACT OPTIC

Based on the popular RICO Mk1 series, the RICO Mk1 V2 was redesigned with improved audio recording, a blazing fast 60hz refresh rate, and an impressively upgraded <20 mK sensitivity. The heart of the Mk1 V2 features a high-performance InfiRay Micro II core and an extremely high-contrast AMOLED HD display. The Mk1 V2 takes its image processing one step further with Advanced Image Correction and Automatic Image Optimization courtesy of its MATRIX III processor. Unmatched image quality combined with an intuitive and easy-to-use interface, picture-in-picture function, two long-lasting battery packs with 6+ hours of run-time each, aluminum-alloy housing, 1000 G/s² shock-resistance, and 32 GB of internal memory give you all the tools you need to take your hunt to the next level.





RICO

RH50 V2

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×
Field of View	8.8° × 6.6°
Detection Range	2400 Yards
Display Type	AMOLED
Display Resolution	1024×768
Color Palettes	White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian
Reticle Types	7 (2 Dynamic, 5 Static)
Reticle Colors	Black, White, Red, Green
Mounting System	Picatinny MIL-STD 1913 Rail
P.I.P	Yes
Rangefinder	ILR-1000 Laser Rangefinder (Optional/Not Included)
Eye Relief	55 mm
Diopter Range	-4 to +4

ELECTRONICS

Onboard Recording	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 (6+ Hours Each)
Start Up Time	<10 Seconds, Instant from Standby

PHYSICAL

Size	9.84" × 2.56" × 2.28"
Weight	29.28 Oz

ENVIRONMENTAL/WARRANTY

Warranty	5 Years
Housing Material	Aluminum
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.

MATRIX III Advanced Image Processing

Proprietary algorithmic image correction and scene optimization.

AMOLED Display
1024×768 resolution provides increased clarity and detail.

Added Color Palettes
Violet, Crimson, and Viridian palettes added.

LRF Compatible
Plug-and-play compatibility with the ILR-1000 (AC05) laser rangefinding module.

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

New Microphone Design
Enhanced for better audio quality.

Manual Focus f1.0 Lens
The 50 mm germanium lens provides a native 3× base magnification.

Increased 60 Hz Refresh Rate
Provides smooth motion on the display and in video.

60 Hz
FAST REFRESH RATE



**NEW DUAL-LOCKING LEVER
COMPACT MOUNT**



191 YDS

To easily add rangefinding capability to your RICO series optic, The **ILR-1000-1 Laser Rangefinder (AC05)** connects to the RICO series via USB-C, providing real-time ranging data next to your reticle.

REGISTRATION: irayusa.com/register
WARRANTY: irayusa.com/warranty
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irayusa.com/rh50v2

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