

INFIRAY OUTDOOR

# RICO MK1 SERIES

Rugged Infrared Compact Optic

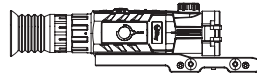
The RICO Series was built to do two things: Make the best image possible, and be easy to use. The heart of the RICO Series features a high performance iRay Micro II core and an extremely high contrast AMOLED HD display. RICO takes its image processing one step further with Advanced Image Correction and Automatic Image Optimization courtesy of its MATRIX III Processor. Unmatched image quality paired with an intuitive and easy to use interface, picture-in-picture function, 6 hour run time, aluminum alloy housing, 1000 G shock resistance and 32 Gb of internal memory, gives you all the tools you need to take your hunt to the next level.



\*optional mount shown

InfRay Outdoor

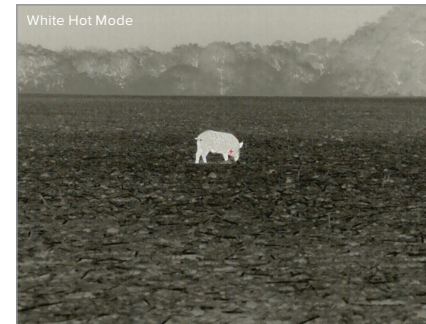
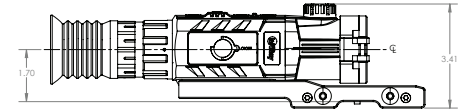
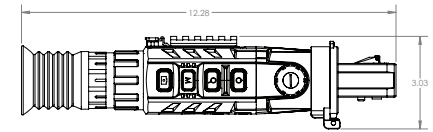




RICO SERIES	Mk1 640 50mm	Mk1 640 35mm	Mk1 384 42mm
SENSOR			
Resolution	640x512	640x512	384x288
Pixel Size	12 μm		
Framerate	50hz		
Image Processing	MATRIX III		
Core	iRay Micro II 640	iRay Micro II 640	iRay Micro II 384
OPTICS			
Objective Lens	50 mm f/1.1	35 mm f/1.0	42mm f/1.1
Magnification	3X	2X	4X
Digital Zoom	4X		
FOV	8.8° x 6.6°	12.6° x 9.4°	6.2° x 4.6°
Detection Range	2400 Yards	1975 Yards	2000 Yards
Display Type	AMOLED		
Display Resolution	1024x768		
Imaging Modes	White Hot, Black Hot, Red Hot, Color, Highlight		
Reticle Types	7 (2 Dynamic, 5 Static)		
Reticle Colors	Black, White, Red, Green		
Mounting System	Picatinny STD-1913 rail		
P.I.P.	Yes		
Rangefinder	ILR-1000 LRF Optional		
Eye Relief	55mm		
Diopter Range	-4 to +4		
ELECTRONICS			
Onboard Recording	Video and Image	Video and Image	Video and Image, no audio
Wireless Connectivity	Video/Image via App.		
Data/Power Connector	USB-C		
Power Supply	IBP-1 Li-Ion Battery Pack , 6 hours. USB-C external		
Start Up Time	< 10 Seconds, Instant from Standby		
PHYSICAL			
Size	9.84" x 2.40" x 2.28"		
Weight	29.63 Oz	29.63 Oz	29.27 Oz
ENVIRONMENTAL/WARRANTY			
Warranty	5 Years		
Housing Material	Aluminum/ABS		
Ingress Protection	IP67		
Operation Temp	-4°F~122°F		
Max. Recoil	1000 g/s <sup>2</sup> (300 Win./7mm Mag)		

**REGISTRATION:** [irayusa.com/register](http://irayusa.com/register)  
**WARRANTY:** [irayusa.com/warranty](http://irayusa.com/warranty)  
**SUPPORT/SERVICE:** [irayusa.com/support](http://irayusa.com/support)

**NOTE:** These products may be subject to export and foreign trade control laws of the United States and may not be exported without prior approval of the U.S. Department of State. Learn more at [irayusa.com/ITAR](http://irayusa.com/ITAR). The thermal images shown are for illustrative purposes only and may vary in real world usage. Specifications are subject to change without notice. For the most up-to-date specs, go to [irayusa.com](http://irayusa.com). Not responsible for typographical errors. Ver 1.10071922



The combination of a high contrast HD AMOLED display and a powerful Micro II 12 µm core are the foundation of the image performance in RICO. This performance is taken to the next level by iRay's proprietary Matrix III image processing algorithms. Matrix III is the secret behind taking an image that other manufacturers consider acceptable, and making it an image only an iRay core can produce.



Curious what InfiRay Outdoor scope is best for you? Check out our website at [irayusa.com/rh50](http://irayusa.com/rh50) to learn more or find your local dealer. With the power of RICO on your favorite rifle, hunting will never be the same!

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