

INFIRAY OUTDOOR

# RICO HYBRID SERIES

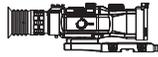
## Rugged Infrared Compact Optic

The InfiRay Outdoor RICO HYBRID fuses the capabilities of a thermal clip-on and a thermal weapon sight to create a new breed of thermal device. The HYBRID gives you never-before-seen versatility and performance, boasting a 2,400 yard detection range as a dedicated thermal sight, or compatibility with day optics up to 10× as an inline clip-on sight. The combination of the HYBRID's low-distortion orthoscopic eyepiece and a 1.03-inch large-format 2560×1920 display provides comfortable viewing as a dedicated sight while still maintaining the pixel density and resolution for use as a clip-on optic. The HYBRID also unlocks advanced features such as compatibility with a 2,000 yard laser rangefinder, a custom reticle generator, Bluetooth remote, and an onboard ballistic solver.



\*optional mount shown

**InfiRay** Outdoor



RICO HYBRID SERIES		HYH50W		HYH35W	
<b>SENSOR</b>					
Resolution	640×480				
Pixel Size	12 μm				
Frame Rate	50hz				
Image Processing	MATRIX III				
Core	InfiRay Micro II 640				
<b>OPTICS</b>					
Objective Lens	50 mm f/1.0	35 mm f/0.9			
Magnification	3×	2×			
Digital Zoom	8×				
Field of View	8.8° × 6.6°	12.6° × 9.4°			
Detection Range	2400 Yards	1750 Yards			
Display Type	1.03-inch Large-format AMOLED				
Display Resolution	2560×1920				
Color Palettes	White Hot, Black Hot, Red Hot, Iron Red, Rainbow, Outline				
Reticle Types	8 (7 Static, 1 Custom BDC Reticle)				
Reticle Colors	Black, White, Red, Green, Blue				
Mounting System	Picatinny MIL-STD 1913 Rail				
P.I.P.	Yes				
Rangefinder	ILR-2000 LRF (Optional/Not Included)				
Eye Relief	60 mm				
Diopter Range	-4 to +2				
<b>ELECTRONICS</b>					
Onboard Recording	Video, Recoil-Activated Video, and Image				
Onboard Storage	64 GB				
Wireless Connectivity	Image and Video via App.				
Data/Power Connector	USB-C				
Power Supply	USB-C External, IBP-1 Li-ion Battery Pack (6+ Hours)				
Start Up Time	<10 Seconds, Instant from Standby				
<b>PHYSICAL</b>					
Size	11.02" × 3.03" × 2.99"	10.51" × 3.03" × 2.99"			
Weight	40.5 Oz	40.0 Oz			
<b>ENVIRONMENTAL/WARRANTY</b>					
Warranty	5 Years				
Housing Material	Aluminum				
Ingress Protection	IP67				
Operation Temperature	-4°F~122°F				
Max. Recoil	1000 g/s <sup>2</sup> (300 Win./7mm Mag)				

**REGISTRATION:** irayusa.com/register  
**WARRANTY:** irayusa.com/warranty  
**SUPPORT/SERVICE:** irayusa.com/support

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**4-button Advanced Controls with Encoder**  
 Allows for fast operation in the dark.

**2560×1920 AMOLED with Low-distortion Eyepiece**  
 Large-format ultra-high resolution display and edge-to-edge clarity create unmatched eye relief and clip-on functionality.

**IBP-1 Battery Pack**  
 One field-swappable lithium battery offers 6+ hours of run-time.

**50 mm f/1.0 Objective**  
 Ultra-fast high-performance germanium objective.

**Advanced Recoil-Mitigating Picatinny STD-1913 Mount**  
 Isolates recoil for improved accuracy and long-term durability.

**Recoil-Activated Video**  
 30-second clips automatically record before and after a shot.

**LRF Compatible**  
 Plug-and-play compatibility with ILR-2000 laser rangefinder module.



This hybridized class of weapon sight and clip-on thermal device has long been requested by the night hunting community, but never before has a product been delivered to meet this need. Because of recent technological advancements in the resolution and pixel density of ultra-HD micro displays, InfiRay Outdoor has achieved what others could not: a true weapon sight that also functions as a clip-on in one device. Visit irayusa.com/hybrid to learn more or find your local dealer.

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