RICO G-SERIES LRF

Rugged Infrared Compact Optic

The RICO G-Series LRF introduces the next generation of thermal functionality, seamlessly combining InfiRay's industry-leading 12µm detector technology and a precision laser range-finding module in a single unit. The RICO G-Series LRF features a 1024×768 OLED display to guarantee a crisp, high-contrast image, while the precision laser range-finding module ensures accurate measurement to 1000 yards. Additional features include image and video capture with 32GB of storage, wireless streaming, and a field-swappable 26650 battery with a 7-hour run-time.





SENSOR Resolution 384×288 640×512 Pixel Size 12 μm Framerate 50hz Image Processing MATRIX III Core iRay Micro II 384 iRay Micro II 640 OPTICS Objective Lens 35 mm f/1.0 50 mm f/1.1 Magnification 3× Digital Zoom 4× FOV 7.5° × 5.7° 8.8° × 6.6° Detection Range 1750 Yards 2400 Yards Display Type OLED Display Resolution 1024×768 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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F Max. Recoil 1000 g/s² (300 Win./7mm Mag)	RICO G-SERIES	GL35R	GH50R
Pixel Size	SENSOR		
Framerate	Resolution	384×288	640×512
Image Processing Core iRay Micro II 384 iRay Micro II 640 OPTICS Objective Lens 35 mm f/1.0 50 mm f/1.1 Magnification 3× Digital Zoom 4× FOV 7.5° × 5.7° 8.8° × 6.6° Detection Range 1750 Yards Display Type OLED Display Resolution Inaging 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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Wireless Connectivity Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85° × 3.93° × 2.42° Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F°122°F	Pixel Size	12 μm	
Core iRay Micro II 384 iRay Micro II 640 OPTICS Objective Lens 35 mm f/1.0 50 mm f/1.1 Magnification 3× FOV 7.5° × 5.7° 8.8° × 6.6° Detection Range 1750 Yards 2400 Yards Display Type OLED Display Resolution 1024×768 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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4*F**122*F	Framerate	50hz	
OPTICS Objective Lens 35 mm f/1.0 50 mm f/1.1 Magnification 3× Digital Zoom 4× FOV 7.5° × 5.7° 8.8° × 6.6° Detection Range 1750 Yards 2400 Yards Display Type OLED Display Resolution 1024×768 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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time < 10 Seconds, Instant from Standby	Image Processing	MATRIX III	
Objective Lens 35 mm f/1.0 50 mm f/1.1 Magnification 3× Digital Zoom 4× FOV 7.5° × 5.7° 8.8° × 6.6° Detection Range 1750 Yards 2400 Yards Display Type OLED Display Resolution 1024×768 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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time < 10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F	Core	iRay Micro II 384	iRay Micro II 640
Magnification 3× Digital Zoom 4× FOV 7.5° × 5.7° 8.8° × 6.6° Detection Range 1750 Yards 2400 Yards Display Type OLED Display Resolution 1024×768 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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F™122°F	OPTICS		
Digital Zoom	Objective Lens	35 mm f/1.0	50 mm f/1.1
FOV7.5° × 5.7°8.8° × 6.6°Detection Range1750 Yards2400 YardsDisplay TypeOLEDDisplay Resolution1024×768Imaging ModesWhite Hot, Black Hot, Red Hot, Color, HighlightReticle Types7 (2 Dynamic, 5 Static)Reticle ColorsBlack, White, Red, GreenMounting SystemPicatinny STD-1913 RailP.I.P.YesRangefinderInternal Laser RangefinderEye Relief40 mm48 mmDiopter Range-4 to +4ELECTRONICSVideo and ImageOnboard RecordingVideo and Image via App.Data/Power ConnectorUSB-CPower Supply26650 Battery, 7 HoursStart Up Time< 10 Seconds, Instant from Standby	Magnification	3×	
Detection Range1750 Yards2400 YardsDisplay TypeOLEDDisplay Resolution1024×768Imaging ModesWhite Hot, Black Hot, Red Hot, Color, HighlightReticle Types7 (2 Dynamic, 5 Static)Reticle ColorsBlack, White, Red, GreenMounting SystemPicatinny STD-1913 RailP.I.P.YesRangefinderInternal Laser RangefinderEye Relief40 mm48 mmDiopter Range-4 to +4ELECTRONICSVideo and ImageOnboard RecordingVideo and Image via App.Data/Power ConnectorUSB-CPower Supply26650 Battery, 7 HoursStart Up Time< 10 Seconds, Instant from Standby	Digital Zoom	4×	
Display Type Display Resolution Display Resolution Display Resolution Display Resolution Display Resolution Display Resolution Reticle Types To (2 Dynamic, 5 Static) Reticle Colors Black, White, Red, Green Mounting System Picatinny STD-1913 Rail P.I.P. Yes Rangefinder Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Wireless Connectivity Video and Image via App. Data/Power Connector Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temp -4°F~122°F	FOV	7.5° × 5.7°	8.8° × 6.6°
Display Resolution Inaging 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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	Detection Range	1750 Yards	2400 Yards
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 Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	Display Type	OLED	
Reticle Types 7 (2 Dynamic, 5 Static) Reticle Colors Black, White, Red, Green Mounting System Picatinny STD-1913 Rail P.I.P. Yes Rangefinder Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Video and	Display Resolution	1024×768	
Reticle Colors Black, White, Red, Green Mounting System Picatinny STD-1913 Rail P.I.P. Rangefinder Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	Imaging Modes	White Hot, Black Hot, Red Hot, Color, Highlight	
Mounting System Picatinny STD-1913 Rail P.I.P. Yes Rangefinder Internal Laser Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	Reticle Types	7 (2 Dynamic, 5 Static)	
P.I.P. Rangefinder Eye Relief Diopter Range -4 to +4 ELECTRONICS Onboard Recording Wireless Connectivity Data/Power Connector Fower Supply Start Up Time Video and Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz ENVIRONMENTAL/WARRANTY Warranty Folymer Housing Material Ingress Protection Operation Temp PA to +4 Houmand Hange Video and Image Video	Reticle Colors	Black, White, Red, Green	
Rangefinder Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Wireless Connectivity Video and Image via App. Data/Power Connector Power Supply 5 tart Up Time 40 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	Mounting System	Picatinny STD-1913 Rail	
Eye Relief 40 mm 48 mm Diopter Range -4 to +4 ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	P.I.P.	Yes	
Diopter Range ELECTRONICS Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector Power Supply 26650 Battery, 7 Hours Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	Rangefinder	Internal Laser Rangefinder	
Conboard Recording Wireless Connectivity Video and Image Wireless Connector Data/Power Connector VSB-C Power Supply Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temp Video and Image Video and	Eye Relief	40 mm	48 mm
Onboard Recording Video and Image Wireless Connectivity Video and Image via App. Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time < 10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp -4°F~122°F	Diopter Range	-4 to +4	
Wireless Connectivity Data/Power Connector Power Supply Start Up Time <10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection IP67 Operation Temp VSB-C Size 8.85" × 3.93" × 2.42" Video and Image via App. USB-C Start Up Time <10 Seconds, Instant from Standby PHYSICAL 5 Years Polymer IP67 Operation Temp -4°F"122°F	ELECTRONICS		
Data/Power Connector USB-C Power Supply 26650 Battery, 7 Hours Start Up Time < 10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F	Onboard Recording	Video and Image	
Power Supply 26650 Battery, 7 Hours Start Up Time < 10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F	Wireless Connectivity	Video and Image via App.	
Start Up Time < 10 Seconds, Instant from Standby PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F"122°F	Data/Power Connector	USB-C	
PHYSICAL Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F	Power Supply	26650 Battery, 7 Hours	
Size 8.85" × 3.93" × 2.42" Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F"122°F	Start Up Time	< 10 Seconds, Instant from Standby	
Weight 23.9 Oz 25.71 Oz ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F	PHYSICAL		
ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F	Size	8.85" × 3.93" × 2.42"	
Warranty 5 Years Housing Material Polymer Ingress Protection IP67 Operation Temp -4°F~122°F	Weight	23.9 Oz	25.71 Oz
Housing Material Polymer	ENVIRONMENTAL/WARRANTY		
Ingress Protection IP67 Operation Temp -4°F~122°F	Warranty	5 Years	
Operation Temp -4°F~122°F	Housing Material	Polymer	
	Ingress Protection	IP67	
Max. Recoil 1000 g/s² (300 Win./7mm Mag)	Operation Temp	-4°F~122°F	
	Max. Recoil	1000 g/s² (300 Win./7mm Mag)	

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

NOTE: These products may be subject to export and foreign trade control lews of the United States and may not be exported without prior approval of the U.S. Department of State. Learn more at inquisa count/IAR. 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. Not responsible for typographical errors. Ver. 1008/1922



The RICO G-Series LRF seamlessly blends InfiRay Outdoor's industry-leading 12µm detector technology, a built-in laser range-finding module and an intuitive user interface in a single product. The G-Series LRF also supports image and video capture, wireless data transmission, electronic compass, multiple reticles, and a 7-hour run-time, guaranteeing it's never been easier to detect, range, and connect on your next hunt. Visit irayusa.com/gseries to learn more.

