RICO MICRO V2

MULTIFUNCTION THERMAL OPTIC

In its second generation, our most popular family of thermal optics has been updated to provide users with powerful enhancements while retaining the versatility that our customers love; use it as a handheld scanner, helmet-mounted monocular, weapon sight, or thermal clip-on. New models feature a machined magnesium alloy housing to reduce weight. An added USB-C port now allows for simplified file tranfser and the ability to power the MICRO from an external battery pack. The internal video recorder now includes crisp audio and 64 GB of internal storage. An improved 1440x1080 AMOLED display and is paired with a new eyepiece that offers more comfortable viewing and clip-on compatibility for optics up to up to 6× magnification. The MICRO V2 also uses InfiRay's latest 12 μ m sensor, an improved NETD rating of ≤18mK, and a manual-focus f/1.0 objective lens to create an image that is unlike anything in its class.





SENSOR Resolution 384×288 640×480 Pixel Size 12 µm Frame Rate 60hz Image Processing MATRIX III Sensor Sensitivity ≤18 mK ≤15 mK Core InfiRay Micro II 384 InfiRay Micro II 640 OPTICS Objective Lens 25 mm f/1.0 Magnification 2.28× 1.36× Digital Zoom 4× Field of View 10.5* × 7.9* 17.5* × 13.1* Detection Range 1375 Yards Display Type AMOLED Display Resolution 1440×1080 Color Palettes White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian Reticle Types 7 Reticle Colors Black, White, Red, Green MUM Rail, PicTall. (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No No Regelief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52* × 2.55* × 1.88* Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature 4.4* −4.22* F Max. Recoil 1000 g/s² (300 Win./7mm Mag)	RICO MICRO SERIES	RL25 V2	RH25 V2
Pixel Size 12 μm	SENSOR		
Frame Rate	Resolution	384×288	640×480
Image Processing	Pixel Size	12 μm	
Sensor Sensitivity Sensor Senso	Frame Rate	60hz	
Core InfiRay Micro II 384 InfiRay Micro II 640	Image Processing	MATRIX III	
OPTICS Objective Lens Dipital Zoom Ax Field of View 10.5° × 7.9° Display Type AMOLED Display Resolution Color Palettes White Hot, Black Hot, Red, Hot, Color, Violet, Crimson, Viridian Reticle Types Reticle Colors Black, White, Red, Green Mounting System Morking Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder Reye Relief Diopter Range ELECTRONICS Onboard Recording Onboard Storage Wireless Connectivity Video, Recoil-Activated Video, and Image Onboard Storage Wireless Connectivity Data Connector PWHYSICAL Size A.52" × 2.55" × 1.88" Weight Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty S Years Housing Material Ingress Protection Operation Temperature 4× 11.3 Oz 17.5° × 13.1° 1.36× 1.30× 1.30	Sensor Sensitivity	≤18 mK	≤15 mK
Objective Lens 25 mm f/1.0 Magnification 2.28× 1.36× Digital Zoom 4× Field of View 10.5° × 7.9° 17.5° × 13.1° Detection Range 1375 Yards Display Type AMOLED Display Resolution 1440×1080 Color Palettes White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz	Core	InfiRay Micro II 384	InfiRay Micro II 640
Magnification 2.28×	OPTICS		
Digital Zoom	Objective Lens	25 mm f/1.0	
Field of View 10.5° × 7.9° 17.5° × 13.1° Detection Range Display Type AMOLED Display Resolution Color Palettes White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian Reticle Types Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time S5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature	Magnification	2.28× 1.36×	
Detection Range Display Type AMOLED Display Resolution Color Palettes White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian Reticle Types 7 Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time S Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature	Digital Zoom	4	×
Display Type Display Resolution Color Palettes White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian Reticle Types 7 Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage G4 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time S5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature	Field of View	10.5° × 7.9°	17.5° × 13.1°
Display Resolution Color Palettes White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian Reticle Types 7 Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time S Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature	Detection Range	1375 Yards	
Color Palettes White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian Reticle Types 7 Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time S5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature	Display Type	AMOLED	
Reticle Types 7 Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time \$5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature	Display Resolution	1440×1080	
Reticle Colors Black, White, Red, Green Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder Piopter Range Lectronics Onboard Recording Onboard Storage Onboard Storage Wireless Connectivity Data Connector Power Supply Start Up Time S5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty S Years Housing Material Ingress Protection Operation Temperature	Color Palettes	White Hot, Black Hot, Red Hot, Color, Violet, Crimson, Viridian	
Mounting System MUM Rail, Picatinny MIL-STD-1913 Rail, PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder Poperation Poperation Repellef A5 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage Wireless Connectivity Video and Image via App. Data Connector Power Supply 18650 Battery (5.5+ Hours) Start Up Time S5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature	Reticle Types	7	
Mounting System PICTAIL (Optional/Not Included) Working Modes Standalone, Handheld, Helmet, Clip-on P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage G4 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature	Reticle Colors	Black, White, Red, Green	
P.I.P No Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F⋈122"F	Mounting System		
Rangefinder No Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F⋈122"F	Working Modes	Standalone, Handheld, Helmet, Clip-on	
Eye Relief 45 mm Diopter Range -5 to +2 ELECTRONICS Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"Fx/122"F	P.I.P	No	
Diopter Range ELECTRONICS Onboard Recording Onboard Storage Onboard S	Rangefinder	No	
ELECTRONICS Onboard Recording Onboard Storage Onboard Storage Wireless Connectivity Data Connector Power Supply Start Up Time PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black ENVIRONMENTAL/WARRANTY Warranty Symbol	Eye Relief	45 mm	
Onboard Recording Video, Recoil-Activated Video, and Image Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F×122"F	Diopter Range	-5 to +2	
Onboard Storage 64 GB Wireless Connectivity Video and Image via App. Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F×122"F	ELECTRONICS		
Wireless Connectivity Data Connector USB-C Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature -4"F×122"F	Onboard Recording	Video, Recoil-Activated Video, and Image	
Data Connector Power Supply 18650 Battery (5.5+ Hours) Start Up Time S5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Ingress Protection Operation Temperature 4"F×122"F	Onboard Storage	64	GB
Power Supply 18650 Battery (5.5+ Hours) Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F×122"F	Wireless Connectivity	Video and In	nage via App.
Start Up Time ≤5 Seconds, Instant from Standby PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F×122"F	Data Connector	US	B-C
PHYSICAL Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F×122"F	Power Supply	18650 Battery (5.5+ Hours)	
Size 4.52" × 2.55" × 1.88" Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F×122"F	Start Up Time	≤5 Seconds, Instant from Standby	
Weight 11.3 Oz Housing Color Black Cerakote TAN H-265 ENVIRONMENTAL/WARRANTY 5 Years Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4°FM22°F	PHYSICAL		
Housing Color Black Cerakote TAN H-265	Size	4.52" × 2.55" × 1.88"	
ENVIRONMENTAL/WARRANTY Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4°F~122°F	Weight	11.3 Oz	
Warranty 5 Years Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4"F~122"F	Housing Color	Black	Cerakote TAN H-265
Housing Material Magnesium Ingress Protection IP67 Operation Temperature -4°F~122°F	ENVIRONMENTAL/WA	RRANTY	
Ingress Protection IP67 Operation Temperature -4°F∾122°F	Warranty	5 Years	
Operation Temperature -4°F∾122°F	Housing Material	Magnesium	
	Ingress Protection	IP67	
Max. Recoil 1000 g/s² (300 Win./7mm Mag)	Operation Temperature	-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

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Rechargeable & Interchangeable Battery

A common 18650 rechargeable battery cell provides 4+ hours of run time.



PICTAIL (AC52) offers extended mounting options.

Included MUM rail and Picatinny riser mount. The iRayUSA



We kept the same form factor and versatility that our customers love, while added some upgrades to the V2 models. The RL25 V2 can now be used as a thermal clip-on unit (previously only available in the RH25). Both models now include a larger display and eyepiece, providing over 90% more pixels on an 80% larger viewable area. This provides a more comfortable viewing experience and improved clip-on compatibility with day optics up to 6x magnification.



To visit the product webpage, scan the QR code or go to irayusa.com/micro



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