

StingIR-W

THERMAL IMAGING MONOCULAR



The StingIR™ miniature observational thermal monocular is equipped with a 384×288 or 640×480 12-micron high-sensitivity thermal detector and a high-resolution OLED display. The StingIR is a full-featured unit, weighing less than 7 ounces/200 grams. The monocular can be helmet mounted for hands-free operations, or used as a standalone handheld device. The StingIR with included weapon mounts can also be used as a stand-alone thermal scope, or thermal clip-on, making it one of our most versatile offerings.

Other features include a digital compass, inclinometer, up to 8x digital zoom and the ability to be powered by two types of replaceable CR123 or 18650 batteries. The high-sensitivity built-in thermal detector provides you with a clear view in any lighting condition.

- 12µm high-sensitivity detector
- NETD less than 25mK
- 384×288 or 640×480 resolution
- Head- or helmet-mountable for hands-free usage
- Possibility to mount on a weapon with the included Picatinny mount and clip-on mount
- Compact, sturdy design
- High-resolution OLED display
- Multiple thermal image palettes
- Device supports up to 8× digital zoom
- Powered by one CR123A/RCR123 or 18650 Lithium battery
- Up to 5 hours continuous running
- Digital compass and inclinometer
- Type-C interface
- 5-year warranty



Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.

SPECIFICATIONS

	StingIR-384	StingIR-640
Detector Type	12µm Uncooled VOx Microbolometer	12µm Uncooled VOx Microbolometer
Resolution	384x288	640x480
NETD	Less than 25 mK	Less than 25 mK
Refresh Rate	50 Hz	50 Hz
Lens System	16 mm; F1.3	27 mm; F1.1
Field of View	16.3° x 12.3° (H x V)	16.3° x 12.3° (H x V)
Magnification	1x - 4x	1x - 8x
Detection Range (6' object)	730 m/yd	1,200 m/yd
Exit Pupil Diameter	12 mm	12 mm
Exit Pupil Distance	20 mm	20 mm
Diopter Adjustment Range	-5 to +5 dpt	-5 to +5 dpt
Digital Zoom	1x, 2x, 4x	1x, 2x, 4x, 8x
Monitor	1024x768 OLED, 50 fps	1024x768 OLED, 50 fps
Palettes	White-Hot, Black-Hot, Orange-Hot, Rainbow	White-Hot, Black-Hot, Orange-Hot, Rainbow
Application Scenarios	Default, Outdoor, Arctic, or Rainforest	Default, Outdoor, Arctic, or Rainforest
FFC (Flat Field Correction)	Auto (1 to 10 min. interval) or Manual	Auto (1 to 10 min. interval) or Manual
Digital Compass	Yes	Yes
Digital Inclinometer	Yes (Pitch angle and Roll angle)	Yes (Pitch angle and Roll angle)
PIP	Yes	Yes
Crosshair	Display On/Off; Position adjustment; Selection of White, Black, or Green color	Display On/Off; Position adjustment; Selection of White, Black, or Green color
Analog Video Output	PAL video output via USB port	PAL video output via USB port
Battery Type	One CR123A(3V) or RCR123(3.7V) or 18650(4.2V)	One CR123A(3V) or RCR123(3.7V) or 18650(4.2V)
Battery Operating Time (20°C)	CR123A - up to 2 hours RCR123 - up to 3h 18650 - up to 5h	CR123A - up to 2 hours RCR123 - up to 3h 18650 - up to 5h
USB Type-C Interface	Power input / USB-RS232 / PAL video output	Power input / USB-RS232 / PAL video output
External Power	5 VDC/2 A, 1.5 W	5 VDC/2 A, 1.5 W
Working Temperature	-10°C to 60°C (-4°F to 122°F)	-20°C to 50°C (-4°F to 122°F)
Protection Level	IP67	IP67
Dimensions	140 x 70 x 50 mm (5.5 x 2.4 x 2.0 in)	140 x 70 x 50 mm (5.5 x 2.4 x 2.0 in)
Weight	200 g (7.0 oz)	220 g (7.8 oz)
Package Includes	Monocular, Helmet Adapter Bracket, Weapon Mount, Clip-on Mount, Gun Scope Eyecup, 18650 Battery Cap, Type-C Cable, Operation Manual, Hard Case	

Specifications are subject to change without notice.



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