

TrackIR Series

Handheld Thermal Imaging Monocular



Work indicator
could be shut down



Anti light-leakage
eyepiece



Super silence
button



Noiseless shutter
calibration



Introduce

TrackIR series is Guide's new launched handheld thermal imaging monocular designed for professional hunters. With up to 640×480 IR sensor and 1280×960 HD display, it provides adaptable and excellent thermal imaging in any conditions. Support smooth zoom, built-in stadiametric rangefinder, image quality adjustment, picture-in-picture functions. At a high frame rate of 50Hz, TrackIR captures sharp thermal imaging throughout dynamic and rapid motion in distance. It also supports connecting accessories to realize more functions.



Features and Benefits

- 1280×960 HD display for better comfort of viewing
- High resolution sensor ensures crisper image
- Support smooth zoom (1x ~4x)
- Build-in stadiametric rangefinder
- User-friendly UI with quick menu, easy to operate
- Multiple Color Palettes for good vision in diverse environments
- Rugged and adaptable, IP66, 1-meter drop test
- Can connect external accessories such as laser rangefinder, lighting, mobile power supply and etc

Application

- Night Hunting
- Search & Rescue
- Law Enforcement
- Night Patrol
- Outdoor Sports
- Personal Security

Specifications

Model	TrackIR 25mm	TrackIR 35mm	TrackIR 50mm	TrackIR Pro 19mm	TrackIR Pro 25mm	TrackIR Pro 35mm
Infrared Detector						
Detector type	VOx					
Detector resolution and pitch	400 × 300, 17 μm			640 × 480, 12 μm		
Spectral range	8 to 14 μm					
NETD	≤50mk @ F1 25°C					
Lens						
Focal length	25 mm; F1.2	35 mm; F1.2	50 mm; F1.2	19 mm; F1.0	25 mm; F1.0	35 mm; F1.0
Focus	Manual					
Field of view	15.4° × 11.6°	11.1° × 8.3°	7.8° × 5.8°	22.9° × 17.2°	17.5° × 13.1°	12.5° × 9.4°
Frame Rate						
Output frame frequency	50 Hz					
Zoom						
Optical zoom	1.7x	2.3x	3.3x	1.1x	1.5x	2.0x
Digital zoom	1 – 4x			1 – 8x		
Visual effect	It's like viewing at a 22" screen at 1 meter					
Power						
Battery type	2 built-in 18650 batteries (6000mAh)					
Battery life	≥ 5 hours			≥ 4.5 hours		
Interface						
USB	Type C (USB 2.0 standard), supporting power supply and data access					
Video interface	micro HDMI					
External expansion	External Display					
Mechanical interface	UNC ¼"-20 (Tripod mounting), Picatinny					
Display						
Display type	0.4" FLCOS					
Resolution	1280 × 960					
Eyepiece	Monocular, exit pupil distance≥10 mm, diopter adjustment: -4 to + 2					
Eyepiece zoom	13.8x					
Video output	Digital video					
Button						
Button functions	Power / Up / Menu / Down / Photo / Video					
Functions						
Smooth zoom	Available					
Screen brightness adjustment	10 levels					
Detector brightness adjustment	10 levels					
Detector contrast adjustment	10 levels					
Image enhancement	Available					
Scene modes	Enhanced, Highlight and Natural					
Ultra power saving mode	Available					
Image capturing	Available					
Video recording	Available					
WIFI	Transmission of real-time video via WIFI for remote control in the 2.4G frequency band and within 15 meters					
Color palettes	Black Hot, White Hot, Red Hot, Iron Red, Blue Hot			Black Hot, White Hot, Adjustable Red Hot, Iron Red, Blue Hot		
Hot spot tracking	Available					
Working indicator	On/Off					
Charging indicator	On/Off					
Compensation modes	Automatic, shutter and scene compensation					
Rough ranging	Available					
Automatic shutdown	Closed, 15, 30 or 60 mins					
Automatic sleep	Closed, 5, 10, or 15 mins					
Language settings	Chinese / English / Russian / German / French					
System						
Time setting	Available					
Watermark settings	Closed, setting of date or date and location					
PIP	Upper left, Upper middle, Upper right, Closed					
Restore to default	Available					
Start up	2 s					
Memory capacity	16 GB					
Environmental						
Operating temperature range	-10 °C to 50 °C					
Storage temperature range	-30 °C to 60 °C					
Humidity	10 % to 95 % non-condensing					
Shock	30 G at 11 ms half sine pulse (as per IEC60068-2-27)					
Vibration	10 Hz - 150 Hz - 10 Hz 0.15 mm (as per IEC60068-2-6)					
Drop	1 m					
Encapsulation	IP66					
Certification	IP66, FCC, CE, RoHS, EAC, un38.3					
Physical						
Weight	≤470 g	≤485 g	≤535 g	≤490 g		≤560 g
Size (L × W × H)	192 × 65 × 71 mm		214 × 65 × 71 mm	192 × 65 × 71 mm		214 × 65 × 71 mm
Standard	Power adapter, USB cable (Type C), micro HDMI cable, lens cap, wrist strap, inner bag, shoulder strap, quick start guide					

Specifications

