

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 which include 3 optional lenses (25mm/35mm/50mm). With 400x300 IR sensor and 1280x960 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 Series | | | TrackIR Pro Series | | |
|--------------------------------|---|--------------|--------------------------------------|---------------------|----------------------------|------------------|
| | TrackIR 25mm | TrackIR 35mm | TrackIR 50mm | TrackIR Pro 19mm | TrackIR Pro 25mm | TrackIR Pro 35mm |
| Detector | | | | | | |
| Detector Type | 400×300 @17μm, VOx | | | 640×480@12μm, VOx | | |
| Spectral | 8μm ~ 14μm | | | 8μm ~ 14μm | | |
| NETD | ≤50mk | | | | | |
| Lens | | | | | | |
| Focal Length | 25mm/F1.1 | 35mm/F1.2 | 50mm/F1.2 | 19mm F1.0 | 25mm F1.0 | 35mm F1.0 |
| Focusing | Manual Focus | | | | | |
| FOV | 15.4°×11.6° | 11.1°×8.3° | 7.8°×5.8° | 22.9×17.2 | 17.5×13.1 | 12.5×9.4 |
| Display | | | | | | |
| Screen | 1280×960 , 0.4 inch , Color LCOS Display (Feel like watching 22 inch screen at 1 meter) | | | | | |
| Eyepiece | Monocular, Exit pupil≥10mm, Adjustable diopter-4~ + 2 | | | | | |
| Magnification | 1.7~6.8 | 2.3~9.2 | 3.3~13.2 | 1.1~8.8X | 1.5~12X | 2.0~16X |
| Imaging | | | | | | |
| Frame Rate | 50Hz | | | | | |
| Digital Zoom | 1X~4X (Smooth zoom) | | | 1X~8X (Smooth zoom) | | |
| Color Palettes | White Hot, Black Hot, Iron Red, Blue Hot, Red Hot (TrackIR PRO: Adjustable Red Hot) | | | | | |
| Scenes Modes | Enhanced, Highlight, Natural | | | | | |
| Picture-in-picture | Picture-in-picture enlarged image is displayed on the upper left, upper middle or upper right | | | | | |
| Functions | | | | | | |
| Photo | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Video | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Hotspot tracking | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Stadiametric rangefinder | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Wi-Fi/APP | Wi-Fi share photo and video, also can controlled by app (IOS & Android) | | | | | |
| Compensation Modes | Auto Compensation / Shutter Compensation / Scene Compensation | | | | | |
| Indicate Box | Red,/yellow/green, the coordinates of the indicate box is adjustable | | | | | |
| Other | image enhancement, brightness and contrast of image are adjustable, auto power-off, auto sleep, super power-save mode, the work indicator could be shut off | | | | | |
| Power Supply | | | | | | |
| Battery Type | Internal Li-ion battery (2x18650, 6000mAh) | | | | | |
| Working Time | ≥5h | | | ≥4.5h | | |
| Weight & Dimensions | | | | | | |
| Weight | 470g | 485g | 535g | 490g | 490g | 560g |
| Dimensions | 192×65×71 | | 214×65×71 | 192×65×71 | | 214×65×71 |
| Package Contents | | | | | | |
| Standard | Power adapter,USB cable,Micro HDMI cable,Lens cover,Wrist strap, Shoulder strap,Lining package,Quick Start Guide | | | | | |
| Optional | External Picatinny rail, External screen and etc... | | | | | |
| Interface | | | Environmental Characteristics | | | |
| USB | TYPE C for charging, data transmission | | Operating Temperature | | -10°C ~ 50°C | |
| Video Output | Micro HDMI | | Storage Temperature | | -30°C ~ 60°C | |
| External Connection | External Connection by a Picatinny rail | | Encapsulation | | IP66, 1-meter drop test | |
| Memory Card | 16 GB | | Certificate | | UN38.3, RoHS, CE, FCC, EAC | |

