

# 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 |
| <b>Detector</b>                |   |              |                                      |                     |                            |                  |
| Detector Type                  | 400×300 @17μm, VOx  |              |                                      | 640×480@12μm, VOx   |                            |                  |
| Spectral                       | 8μm ~ 14μm  |              |                                      | 8μm ~ 14μm          |                            |                  |
| NETD                           | ≤50mk   |              |                                      |                     |                            |                  |
| <b>Lens</b>                    |   |              |                                      |                     |                            |                  |
| 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         |
| <b>Display</b>                 |   |              |                                      |                     |                            |                  |
| 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          |
| <b>Imaging</b>                 |   |              |                                      |                     |                            |                  |
| 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   |              |                                      |                     |                            |                  |
| <b>Functions</b>               |   |              |                                      |                     |                            |                  |
| 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 |              |                                      |                     |                            |                  |
| <b>Power Supply</b>            |   |              |                                      |                     |                            |                  |
| Battery Type                   | Internal Li-ion battery (2x18650, 6000mAh)  |              |                                      |                     |                            |                  |
| Working Time                   | ≥5h   |              |                                      | ≥4.5h               |                            |                  |
| <b>Weight &amp; Dimensions</b> |   |              |                                      |                     |                            |                  |
| Weight                         | 470g  | 485g         | 535g                                 | 490g                | 490g                       | 560g             |
| Dimensions                     | 192×65×71   |              | 214×65×71                            | 192×65×71           |                            | 214×65×71        |
| <b>Package Contents</b>        |   |              |                                      |                     |                            |                  |
| 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...   |              |                                      |                     |                            |                  |
| <b>Interface</b>               |   |              | <b>Environmental Characteristics</b> |                     |                            |                  |
| 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 |                  |

