

TrackIR Series

Handheld Thermal Imaging Monocular



Work indicator
could be shut down



Anti light-leakage
eyepiece



Super silence
button



Noiseless shutter
calibration



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

TrackIR series is the 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, display, it provides adaptable and excellent thermal imaging in any conditions. Support smooth zoom, rate of 50Hz, TrackIR captures sharp thermal imaging throughout dynamic and rapid motion in distance. It also supports connecting accessories to realize more functions.



- 1280×960 HD display for better comfort of viewing
- High resolution sensor ensures crisper image
- Support smooth zoom (1x ~4x)
- Can connect external accessories such as laser rangefinder, lighting, mobile power supply and etc
- 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

Model	TK425（TrackIR 25mm）	TK435（TrackIR 35mm）	TK450（TrackIR 50mm）
Detector			
Detector Type	400×300@17μm, 8μm~14μm, NETD≤50mk		
Lens			
Focal Length	25mm/F1.1	35mm/F1.2	50mm/F1.2
Focusing	Manual Focus		
FOV	15.4°×11.6°	11.1°×8.3°	7.8°×5.8°
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
Imaging			
Frame Rate	50Hz		
Digital Zoom	1X~4X (Smooth zoom)		
Color Palettes	White Hot, Black Hot, Red Hot 1, Red Hot 2, Red Hot 3		
Scenes Modes	Enhanced, Highlight, Forest, Desert, City, Snow and Default (indoor)		
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		
Interface			
USB	TYPE C (USB 2.0 standard)，for charging,/ data tranmission		
Video Output	Micro HDMI		
External Connection	External Connection by a Picatinny rail		
Memory Card	16 GB		
Environmental Characteristics			
Operating Temperature	-10℃ ~ 50℃		
Storage Temperature	-30℃ ~ 60℃		
Encapsulation	IP66，1-meter drop test		
Certificate	UN38.3 (Battery certificate)、RoHS、CE、FCC、EAC		
Weight & Dimensions			
Weight	470g	485g	535g
Dimensions	192mm×65mm×71mm		214mm×65mm×71mm
Package Contents			
Standard	Power adapter,USB cable,Micro HDMI cable,Lens cover,Wrist strap, Lining package,Quick Start Guide		
Optional	External Picatinny rail, External screen and etc...		

