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 STEK 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

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

Application

- o Night Hunting
- o Search & Rescue
- o Law Enforcement
- o Night Patrol
- o Outdoor Sports
- o 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		214x65x71
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 tranmission	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

Detection Range / **Recognition Range**

TrackIR 25mm
- 1.8m×0.5m: 700 / 350
- 2.3m×2.3m: 1700 / 700

TrackIR 35mm
- 1.8m×0.5m: 1000 / 500
- 2.3m×2.3m: 2400 / 1000

TrackIR 50mm
- 1.8m×0.5m: 1400 / 700
- 2.3m×2.3m: 3000 / 1400

TrackIR Pro 19mm
- 1.8m×0.5m: 800 / 400
- 2.3m×2.3m: 1850 / 800

TrackIR Pro 25mm
- 1.8m×0.5m: 1000 / 500
- 2.3m×2.3m: 2400 / 1000

TrackIR Pro 35mm
- 1.8m×0.5m: 1400 / 700
- 2.3m×2.3m: 2800 / 1400