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TrackIR Series

Handheld Thermal Imaging Monocular



Work indicator
could be shut down



Anti light-leakage
eyepiece



Super silence
button



Noiseless shutter
calibration

Introduction

TrackIR series is Guide's new launched handheld thermal imaging monocular designed for professional hunters. With 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.

Application

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

Features and Benefits

- 1280×960 HD display for better comfort of viewing
- 640×480@12μm sensor ensures superb image
- Support smooth zoom (1x ~8x)
- Can connect external accessories such as laser rangefinder, lighting, power bank 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

Specifications

Model	TrackIR			TrackIR Pro		
	TK25	TK35	TK50	TKP19	TKP25	TKP35
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, 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	

Detection Range	Recognition Range	TK25	TK35	TK50
1.8m×0.5m		700 350	1000 500	1400 700
2.3m×2.3m		1700 700	2400 1000	3000 1400
1.8m×0.5m		800 400	1000 500	1400 700
2.3m×2.3m		1850 800	2400 1000	2800 1400
		TKP19	TKP25	TKP35
1.8m×0.5m		800 400	1000 500	1400 700
2.3m×2.3m		1850 800	2400 1000	2800 1400

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