

TrackIR Series

Handheld Thermal Imaging Scope



Introduction

TrackIR series is Guide's new generation handheld thermal imaging scope. Provide users with adaptable and high performance thermal imaging experience, even in complete darkness and harsh weather. Support smooth zoom, stadiametric rangefinder, image quality adjustable, PIP zoom and other function. Powerful and rugged. At a high frame rate of 50Hz, TrackIR captures sharp thermal imaging throughout dynamic and rapid motion. External connectable for more function.

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
- 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 stadia metric 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 testing

Specifications

TrackIR	
Detector	
Detector Type	400×300 @17μm
Spectral Range	8μm ~ 14μm
NETD	≤50mk @F1.0
Lens	
Focal Length	25mm/F1.1 ; 35mm/F1.2 ; 50mm/F1.2
Focusing	Manual Focus
Field of view	15.4°×11.6° ; 11.1°×8.3° ; 7.8°×5.8°
Imaging	
Frame Rate	50Hz
Digital Zoom	1X~4X
Color Palettes	White Hot, Black Hot, Red Hot 1, Red Hot 2, Red Hot 3
Functions	
Main Functions	Smooth zoom, brightness and contrast of image are adjustable(10 levels), image enhancement, super power-save mode, photo and recording, WIFI, hotspot tracking, stadiametric rangefinder, auto power-off, auto sleep, time setting, watermark setting, restore default value, external rangefinder
Scenes Modes	Forest, Desert, City, Snow and Default (indoor)
Compensation Modes	Auto/Shutter/Scene
Cross cursor	Red./yellow/green, the coordinates of the cross cursor is adjustable
Picture-in-picture	Picture-in-picture zoom according to cross cursor or center
Memory Card	16 Gb
Power Supply	
Battery Type	Internal Li-ion battery (2x18650, 6000mAh)
Battery Life	≥5h
Adapter	Standard USB Power Adapter 5VDC , Max. 10W
Interface	
USB	TYPE C (USB 2.0 standard) , for Power In./ File Transfer
WIFI	Support WiFi , real-time video transfer
External Connection	External Connection by a Picatinny rail
Display	
Display Resolution	1280×960 , 0.4 inch , Colorful LCOS Display (Feel like watching 22.1 inch screen at 1 meter)
Eyepiece	Monocular , Exit pupil≥10mm, Adjustable diopter-4~ + 2
Eyepiece magnification	13.8
Magnification	1.65; 2.3; 3.3
Video Output	HDMI
Environmental Characteristics	
Operating Temperature	-10℃ ~ 50℃
Storage Temperature	-30℃ ~ 60℃
Shock	30G, 11ms Half-sine IEC60068-2-27
Vibration	10Hz~150Hz~10Hz 0.15mm IEC60068-2-6
Degree of Protection	IP66 , 1m drop testing
Certificate	UN38.3 (Battery certificate)、RoHS、CE、FCC、PCT
Weight & Dimensions	
Weight	470g (25mm) ;485g (35mm) ;535g (50mm)
Dimensions	192mm×65mm×71mm (25mm/35mm) ;214mm×65mm×71mm (50mm)
Package Contents	
Standard	Thermal scope / power adapter / USB cable / Micro HDMI cable / lens cover / wrist strap / lining package / quick manual
Optional	External Picatinny / external screen / external range finder / laser pointer
Detection Range	
Human : 1.8m×0.5m	700m ; 1000m ; 1400m
Vehicle : 2.3m×2.3m	1700m ; 2400m ; 3000m
Recognition Range	
Human : 1.8m×0.5m	350m ; 500m ; 700m
Vehicle : 2.3m×2.3m	700m ; 1000m ; 1400m

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