

Delphinus Series Handheld Thermal Imaging Monocular

High Cost-Effective Scope For Every Explorer



Introduce

TD Delphinus Series follow the design of traditional optical equipment. It is a small, lightweight, simple operation, and a wide range of application scenarios for infrared handheld thermal imaging monocular. TD Thermal scope has clear imaging and comfortable observation, suitable for mediumdistance and short-distance observation, It is an ideal equipment for outdoor night vision.

Features and Benefits

- Boot up in 2 seconds and ready to use
- o High-sensitivity self-developed infrared detector to accurately detect targets
- o Built-in laser indicator to locate the target easily
- 1280x960 High Resolution LCOS Display Screen to provide a comfortable observation
- PIP mode to Highlight Target Clearly
- o Connect App via WIFI to share anytime
- o Support 8 hours super long operation time
- IP66 Encapsulation, Rugged and Durable

Application

- o Outdoor
- Wild Adventure
- Law Enforcement
- o Search & Rescue
- Personal Security
- Livestock Breeding

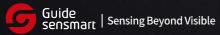


Specifications

Product model	TD210	TD410	TD420	TD430
Infrared Detector	1			
Detector type	V0x			
Detector resolution	256 × 192, 12 μm 400 × 300, 12 μm			
Spectral range	8 to 14 μm			
NETD	≤50mk ≤40mk			
Frame rate	50 Hz			
Lens				
Focal length	10 mm; F1.0	19 mm; F1.0	25 mm; F1.1	35 mm; F1.0
Focus	Electric		Manual	
Field of view	17.1°×13.0°	13.6°×10.3°	10.4°×7.9°	$7.5^{\circ} \times 5.6^{\circ}$
Optical zoom	1.5x	1.9x	2.4x	3.4x
Digital zoom	1x, 2x		1x, 2x and 4x	
Power				
Battery type	Single, replaceable 18650 battery			
Battery life	≥ 8 hours ≥ 7 hours			
Interface				
USB	Type C (USB 2.0 standard), supporting analog video and power supply			
Video interface	USB Type C			
External expansion	External Display and Bluetooth remote control			
Mechanical interface	UNC ¼"-20 (Tripod mounting), Mechanical expansion interface			
Display				
Display type		0.4" FL	COS	
Resolution	1280 × 960			
Eyepiece	Monocular, exit pupil distance≥12 mm, diopter adjustment: -4 to + 2			
Eyepiece zoom				
Video output	Analog video			
Functions		Androg Y	nuco	
PIP		Upper left Upper middle	Inner right Closed	
Image enhancement	Upper left, Upper middle, Upper right, Closed Supported only when there is no laser indicator			
Scene modes				
Ultra power saving mode	Enhanced, Highlight and Natural			
	Turn WIFI off or reduce the screen brightness level			
WIFI	Transmission of real-time video via WIFI for remote control in the 2.4G frequency band and within 15 meters			
Color palettes	Black Hot, White Hot, Red Hot, Iron Hot, Blue Hot			
Hot spot tracking	Available			
Compensation modes	Automatic, shutter and scene compensation Supported only when a laser indicator is available, up to 200 m			
Laser		Supported only when a laser indic	cator is available, up to 200 m	
System	1			
Language settings		Chinese or	-	
Start up	1 s		2 s	
Environmental				
Storage temperature range	-30 °C to 60 °C			
Humidity	10 % to 95 % non-condensing			
Shock	30 G at 11 ms half sine pulse (as per IEC60068-2-27)			
Vibration	10 Hz~150 Hz~10 Hz 0.15 mm (as per IEC60068-2-6)			
Drop	1 m			
Encapsulation	IP66			
Certification		IP66, FCC, CE, RoHS, EAC, WEEE	, un38.3, IEC 60825-1 Class 2	
Physical				
Weight	≤280 g		≤350 g	
	130 × 40 × 70 mm		$150 \times 40 \times 70 \text{ mm}$	
Size (L \times W \times H)	Battery charger (for China, US, UK, Australia and Europe and in compliance with FCC, CE, EAC and RoHS), single 18650 battery, USB Type C cable, lens cap, wrist strap, carry bag, quick start guide			
Standard	Battery charger (for China, US, UK,			e 18650 battery, USB Type C cable

Specifications





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