

# TD 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 medium-distance 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
- High-sensitivity self-developed infrared detector to accurately detect targets
- 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
- Connect App via WIFI to share anytime
- Support 8 hours super long operation time
- IP66 Encapsulation, Rugged and Durable

#### Application

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

## Specifications

Model	TD210	TD410	TD420	TD430	
Infrared Detector  Detector type		\ \	/Ox		
Detector resolution and pitch	256 × 192, 12 μm 400 × 300, 12 μm				
Spectral range	8 to 14 μm				
NETD	≤50mk @ F1 25°C				
Lens	10 510	40 540	0.5	75 710	
Focal length	10 mm; F1.0	19 mm; F1.0	25 mm; F1.1	35 mm; F1.0	
Focus Field of view	Electric 17.1°×13.0°	13.6°×10.3°	Manual 10.4°×7.9°	7.5°×5.6°	
Frame Rate	7.5 70.0				
Output frame frequency		50	) Hz		
Zoom					
Optical zoom	1.5x	1.9x	2.4x	3.4x	
Digital zoom	1x, 2x		1x, 2x and 4x		
Visual effect	It's like viewing at a 22" screen at 1 meter				
Power Battery type		Single replaced	ble 18650 battery		
Battery life	≥ 8 hours	Sirigle, replaced	≥ 7 hours		
Interface	> 0 Hours		> 7 Hours		
USB	Type C (USB 2.0 standard), supporting analog video and power supply				
Video interface		USB Type C			
External expansion		External Display and E	Bluetooth remote control		
Mechanical interface		UNC 1/4"-20 (Tripod	mounting), Picatinny		
Display		0.4//	EL 000		
Display type  Resolution			FLCOS		
Eyepiece	1280 × 960  Managular, avit pupil distance >12 mm, diapter adjustment: -4 to +2				
Eyepiece zoom	Monocular, exit pupil distance≥12 mm, diopter adjustment: -4 to + 2 13.8x				
Video output	Analog video				
Button					
Button functions	Power / Brightness / Zoom / Color palette				
Functions					
Screen brightness adjustment	1	5 10	evels		
Detector brightness adjustment	/ 5 levels				
LIPTECTOR CONTRACT Adjustment	/	Supported only when there is no laser indicator			
Detector contrast adjustment Image enhancement		Supported only when t	5 levels here is no laser indicator		
Image enhancement Scene modes	1				
Image enhancement	1	Enhanced, High Turn WIFI off or reduce t	here is no laser indicator light and Natural he screen brightness level		
Image enhancement Scene modes Ultra power saving mode WIFI	Transmission of real-time	Enhanced, High Turn WIFI off or reduce t video via WIFI for remote c	here is no laser indicator alight and Natural he screen brightness level ontrol in the 2.4G frequency b	pand and within 15 meters	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes	Transmission of real-time	Enhanced, High Turn WIFI off or reduce t video via WIFI for remote c Black Hot, White Hot, R	here is no laser indicator liight and Natural he screen brightness level ontrol in the 2.4G frequency b ed Hot, Iron Hot, Blue Hot	pand and within 15 meters	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking	Transmission of real-time	Enhanced, High Turn WIFI off or reduce t video via WIFI for remote o Black Hot, White Hot, R Avc	here is no laser indicator alight and Natural he screen brightness level control in the 2.4G frequency b ed Hot, Iron Hot, Blue Hot illable	oand and within 15 meters	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator	Transmission of real-time	Enhanced, High Turn WIFI off or reduce t video via WIFI for remote o Black Hot, White Hot, R Avo On	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency bed Hot, Iron Hot, Blue Hot illable / Off	pand and within 15 meters	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes	Transmission of real-time	Enhanced, High Turn WIFI off or reduce t video via WIFI for remote co Black Hot, White Hot, R Avc On Automatic, shutter ar	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot iilable / Off nd scene compensation	pand and within 15 meters	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator	Transmission of real-time	Enhanced, High Turn WIFI off or reduce to video via WIFI for remote con Black Hot, White Hot, R Ava On Automatic, shutter an Closed, 15,	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency bed Hot, Iron Hot, Blue Hot illable / Off	oand and within 15 meters	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown	Transmission of real-time	Enhanced, High Turn WIFI off or reduce to video via WIFI for remote of Black Hot, White Hot, R Avo On Automatic, shutter of Closed, 15, Closed, 5, 1	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins	pand and within 15 meters	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating		Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of the Black Hot, White Hot, Rown Avanta Automatic, shutter or Closed, 15, Closed, 5, 10 Chinese	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot iilable / Off nd scene compensation 30 or 60 mins 0, or 15 mins		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System		Enhanced, High Turn WIFI off or reduce to video via WIFI for remote of Black Hot, White Hot, R Ava On Automatic, shutter of Closed, 15, Closed, 5, 1 Chinese oported only when a laser in	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP	Sup	Enhanced, High Turn WIFI off or reduce to video via WIFI for remote of Black Hot, White Hot, R Ava On Automatic, shutter of Closed, 15, Closed, 5, 1 Chinese oported only when a laser in	here is no laser indicator alight and Natural he screen brightness level control in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot iilable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up		Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of Black Hot, White Hot, Research Avance On Automatic, shutter and Closed, 15, Closed, 5, 10 Chinese oported only when a laser in	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental	Sup	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of Black Hot, White Hot, Rown On Automatic, shutter and Closed, 15, Closed, 5, Chinese sported only when a laser in Upper left, Upper mid	here is no laser indicator alight and Natural he screen brightness level control in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range	Sup	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consideration of the video via V	here is no laser indicator alight and Natural he screen brightness level control in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot iilable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental	Sup	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consideration of the video via V	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range	Sup	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consideration of the video via V	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-27)		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration	Sup	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of Black Hot, White Hot, Research Avon On Automatic, shutter and Closed, 15, Closed, 5, 1 Chinese aported only when a laser in Upper left, Upper mid 10 Mz - 10 % to 95 % 1 30 G at 11 ms half sine put 10 Hz - 150 Hz - 10 Hz - 151 Mz - 15	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-27) 5 mm (as per IEC60068-2-6)		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration Drop	Sup	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote considering the video via WIFI for remote via Video	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-6) m		
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration Drop Encapsulation	Sup 1 s	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of Black Hot, White Hot, Research Avon On Automatic, shutter and Closed, 15, Closed, 5, 1 Chinese aported only when a laser in Upper left, Upper mid 10 mg 1	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-6) m 266	0 m	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration Drop Encapsulation Certification	Sup 1 s	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of Black Hot, White Hot, Research Avon On Automatic, shutter and Closed, 15, Closed, 5, 1 Chinese aported only when a laser in Upper left, Upper mid 10 mg 1	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-6) m	0 m	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration Drop Encapsulation Certification Physical	1 s	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of Black Hot, White Hot, Research Avon On Automatic, shutter and Closed, 15, Closed, 5, 1 Chinese aported only when a laser in Upper left, Upper mid 10 mg 1	here is no laser indicator light and Natural he screen brightness level control in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot iliable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-27) 5 mm (as per IEC60068-2-6) m 266 EE, un38.3, IEC 60825-1 Class	0 m	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration Drop Encapsulation Certification	Sup 1 s	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote of Black Hot, White Hot, Research Avon On Automatic, shutter and Closed, 15, Closed, 5, 1 Chinese aported only when a laser in Upper left, Upper mid 10 mg 1	here is no laser indicator light and Natural he screen brightness level ontrol in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot illable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-6) m 266	0 m	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration Drop Encapsulation Certification Physical Weight Size (L × W × H)	Sup  1 s    Poisson   Poi	Enhanced, High Turn WIFI off or reduce to the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote consider that the video via WIFI for remote considerable via VIFI for r	here is no laser indicator light and Natural he screen brightness level control in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot iliable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 20 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-27) 5 mm (as per IEC60068-2-6) m 266 EE, un38.3, IEC 60825-1 Class  <350 g 150 × 40 × 70 mm rope and in compliance with	0 m s 2 FCC, CE, EAC and RoHS),	
Image enhancement Scene modes Ultra power saving mode WIFI Color palettes Hot spot tracking Working indicator Compensation modes Automatic shutdown Automatic sleep Language settings Laser indicating System PIP Start up Environmental Operating temperature range Storage temperature range Humidity Shock Vibration Drop Encapsulation Certification Physical Weight	Sup  1 s    Poisson   Poi	Enhanced, High Turn WIFI off or reduce to video via WIFI for remote con Black Hot, White Hot, Rowcom Automatic, shutter and Closed, 15, Closed, 5, 10 Chinese opported only when a laser in Upper left, Upper mid 10 % to 95 % in 10 Hz - 150 Hz - 10 Hz 0.15 in 166, FCC, CE, RoHS, EAC, WE and, US, UK, Australia and Eutery, USB Type C cable, lense	here is no laser indicator light and Natural he screen brightness level control in the 2.4G frequency be ded Hot, Iron Hot, Blue Hot iliable / Off nd scene compensation 30 or 60 mins 0, or 15 mins or English ndicator is available, up to 200 dle, Upper right, Closed 2 s  to 50 °C to 60 °C non-condensing ulse (as per IEC60068-2-27) 5 mm (as per IEC60068-2-6) m 266 EE, un38.3, IEC 60825-1 Class  \$350 g 150 × 40 × 70 mm	0 m s 2 FCC, CE, EAC and RoHS),	

### Specifications





