

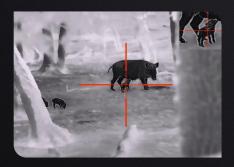
# Thermal Imaging Riflescope



## Enduring Performance, Day and Night



TR Series is an economical civilian infrared thermal imaging riflescope that adopts high sensitivity thermal detector with three different lens options of 25 mm, 35 mm, 50 mm. The TR Series offers sharp and detailed images while retaining the accuracy. TR thermal riflescope also features with compact size, waterproof and dustproof, high shock resistance, rugged and durable, which performs impressively in any harsh weather.



- Fast and easy replaceable 18650 battery for 8 hours of operation
- 1024x768 resolution HD OLED display for image detail
- Support photo and video, record wonderful moments at any time, easy to share
- Screen freezing for quick and easy zeroing
- Support device firmware updates by connecting TargetIR APP
- Get precise 600m laser ranging using an external range finder
- A wide range of operating temperatures (-30°C to 50°C)
- IP 67 dustproof and waterproof rated

- **Outdoor Observing**
- Law Enforcement







### **Specifications**

Product model	TR420	TR430	TR450	TR620	TR630	TR650
Infrared detector	111720	111400	111400	11020	111000	111000
Detector type			VOx 8 t	n 14 um		
Detector resolution	V0x, 8 to 14 μm 384 × 288, 12 μm 640 × 480, 12 μm					
NETD	364 × 266, 12 μπ 640 × 460, 12 μπ 530 mk					
Frame rate	50 Hz					
Lens				112		
Focal length	25 mm; F1.0	35 mm; F1.0	50 mm; F1.0	25 mm; F1.0	35 mm; F1.0	50 mm; F1.0
Field of angle	10.44° × 7.87°	7.50° × 5.64°	5.27° × 3.95°	17.08° × 13.03°	12.38° × 9.38°	8.73° × 6.60°
Optical zoom	2.9x	4.1x	5.9x	1.8x	2.5x	3.5x
Digital zoom	2.98	1x ~ 4x	J. 5X	1.0X	1x ~ 8x	3.34
Focus	Manual					
Power			Wid	iiuui		
Battery type	Single, replaceable 18650 battery					
Battery life	Single, repraceable 18050 battery ≥ 8 hours					
Interface			201	iouis		
USB		Type C IISB	2 0 for nower supply	data transfer analogy	video outnut	
Mechanical interface	Type C USB 2.0 for power supply, data transfer, analog video output  Picatinny					
Display			rica	unity		
Display type	0.39" OLED					
Resolution	1024 × 768					
Eyepiece	1024 × 768  Exit pupil distance ≥ 48 mm, Diopter ± 4					
Eyepiece zoom	EXIT pupil distance ≥ 48 mm, Diopter ± 4  14x					
Video output	Analog video					
Functions			Alidio	y video		
			Dhoto	/Vidoo		
Recording function	Photo/Video  Available					
Hot spot tracking	Available					
Rough ranging PIP	Upper left, Upper middle, Upper right, Closed, PIP with division line					
Scene modes						
	Enhanced, Highlight and Natural					
Color palettes Compensation modes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot  Automatic, shutter and scene compensation					
WIFI	Transmission of real-time video via WIFI for remote control in the 2.4G frequency band and within 15 meters					
Zero calibration	Transmis	sion of real-time video			iency band and within	15 meters
	50 m / 100 m / 200 m / 300 m / 500 m					
Line type	6 types 10 types OTA update					
Other			UIAI	ірааіе		
System		English / Dussia	on / Cormon / Franch /	Italian / Chaniah / Ja	nanaa / Varaan	
Language settings	English / Russian / German / French / Italian / Spanish / Japanese / Korean  32GB					
Memory capacity  Environmental			32	סט		
			2000	+- F000		
Operating temperature						
Storage temperature	-45°C to 70°C					
Humidity	10 % to 95 % non-condensing					
Shock	800 G at 1 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	1m					
Encapsulation	IP67 IP67, FCC, CE, ROHS, EAC, WEEE, UKCA, un38.3					
Certification		ll en	Po7, FUU, UE, ROHS, EA	AC, WEEE, UKCA, un38	.3	
Detection range	1000	4.400	0000	4000	4.400	0000
Detection range	1000 m	1400 m	2000 m	1000 m	1400 m	2000 m
Physical	_	10	FC 2	_	10	500
Weight		10 g	≤590 g		10 g	≤590 g
Size $(L \times W \times H)$	202 × 88 × 66 mm	208 × 88 × 66 mm	219 × 88 × 66 mm	202 × 88 × 66 mm	208 × 88 × 66 mm	219 × 88 × 66 m
Standard	Type C cable, 5V2A adapter (US, Britain, Australia and Europe),18650 battery, Battery charger, lens cap, eye mask, quick start gui 18650 battery, Bluetooth remote control, Type C to USB and AV cable, Laser rangefinder					

Distributed by:

GoThermal (Pty) Ltd | TeleEye (SA) (Pty) Ltd

