



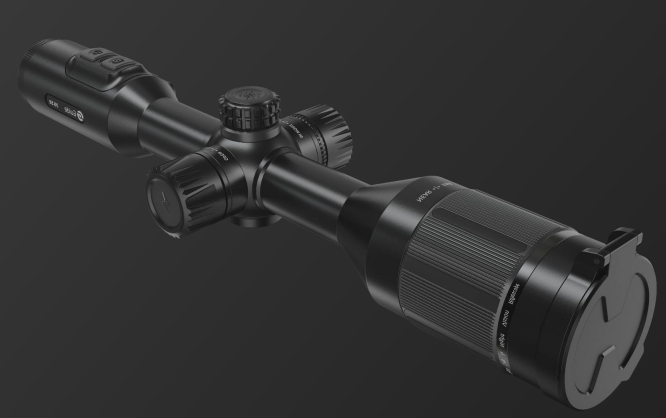
TR Series Thermal Imaging Riflescope

**Enduring Performance,
Day and Night**

600g

8hrs

OTA



DU Series
TU Series



TR Series



TS Series
TA2 Series



- 1 Introduction
- 2 Features
- 3 Specifications
- 4 Applications





1

Introduction



TR Series

Thermal imaging riflescope

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.





Component illustration



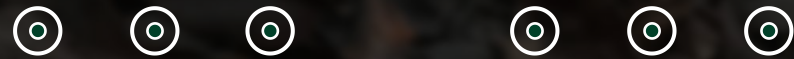


2 Features





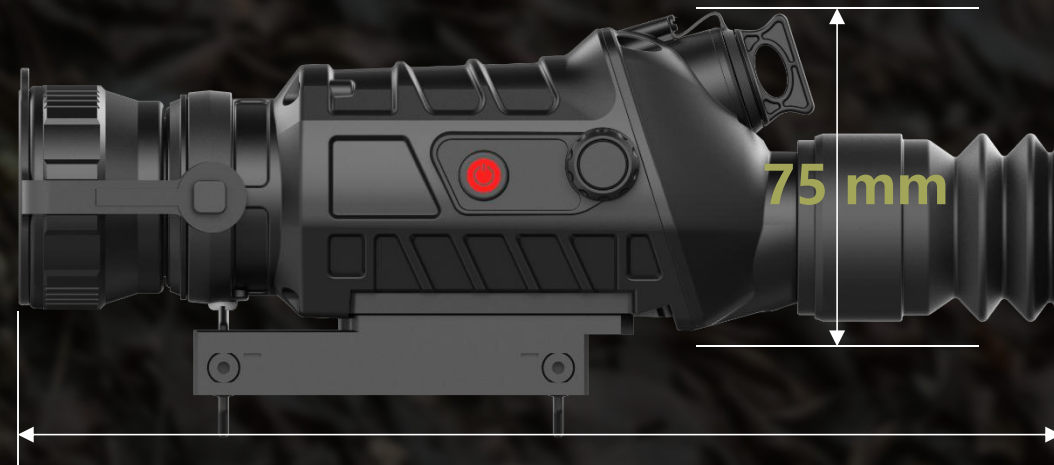
Compact and Portable





TS 450

Weight 720g



250 mm

TR 450

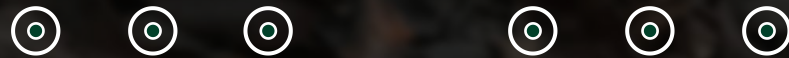
Weight 590g



219 mm



Optional Configuration





TS425

Detector: 400×300@17um
Lens: 25mm F1.0

TS435

Detector: 400×300@17um
Lens: 35mm F1.0

TS450

Detector: 400×300@17um
Lens: 50mm F1.0



TR420

Detector: 400×300@12um
Lens: 25mm F1.0

TR430

Detector: 400×300@12um
Lens: 35mm F1.0

TR450

Detector: 400×300@12um
Lens: 50mm F1.0



TR620

Detector: 640×480@12um
Lens: 25mm F1.0

TR630

Detector: 640×480@12um
Lens: 35mm F1.0

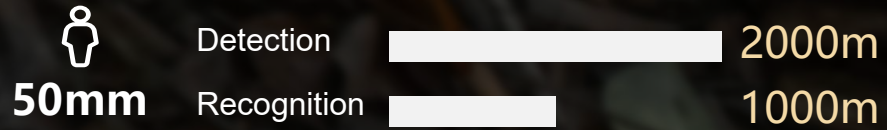
TR650

Detector: 640×480@12um
Lens: 50mm F1.0

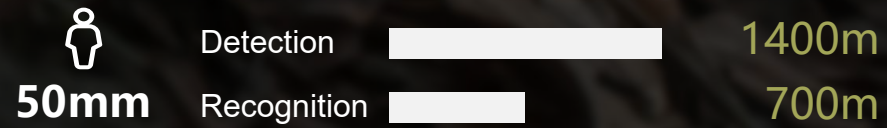


HD Detector and Display





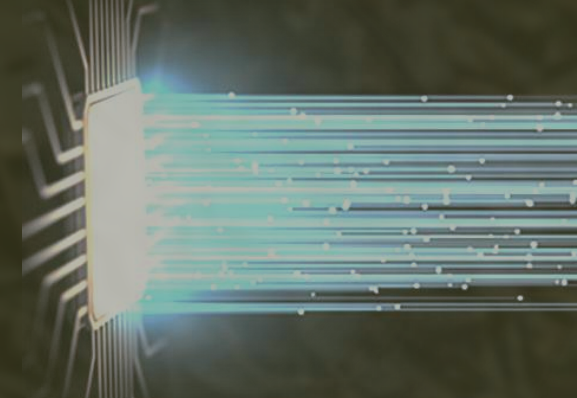
TR Operating distance



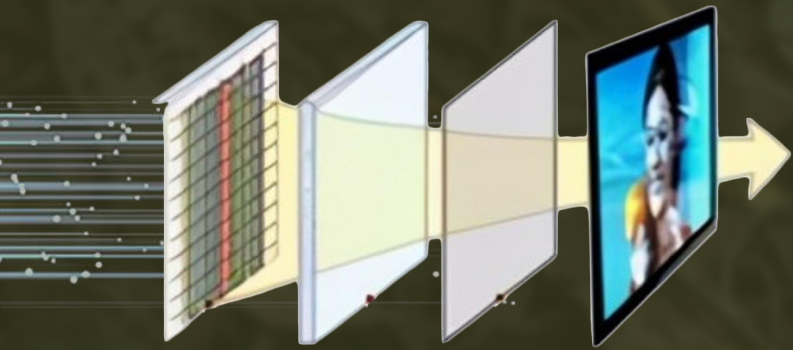
TS Operating distance

384×288@
640×480@
12μm

Detector



Aim far



OLED

**1024
× 768**

See clearly

0.39-inch for your excellent viewing experience



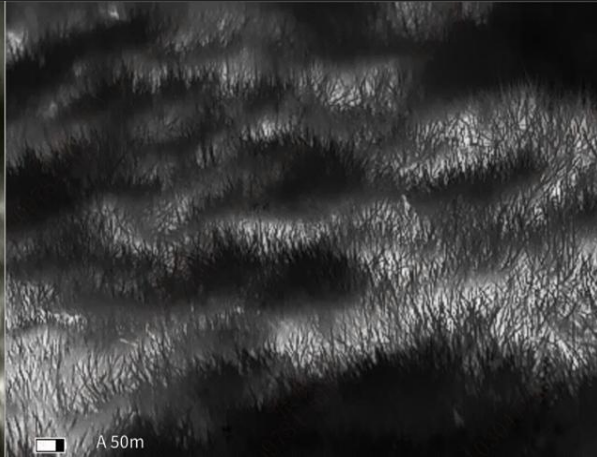


Image Effect

Delicate without any noise; highlight the target for easy recognition



Competitor



Guide



Competitor



Guide



Competitor



Guide



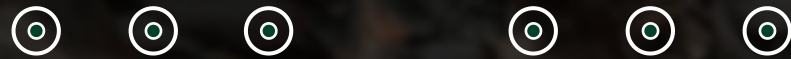
Competitor



Guide

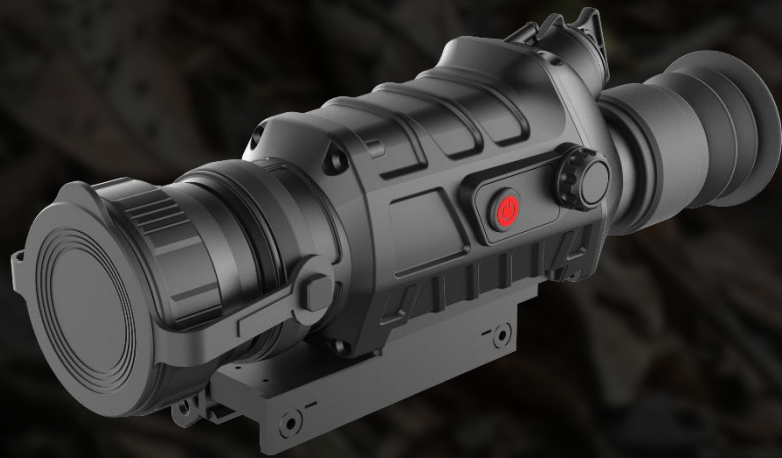


Safe and Durable





500G/1ms



800G/1ms

CE FC EAC UK CA IP67 RoHS





8h Super Long Battery Life





Cold-resistant

Working
temperature
-30°C~50°C



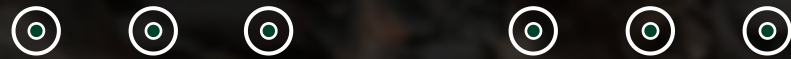
Rugged and Durable

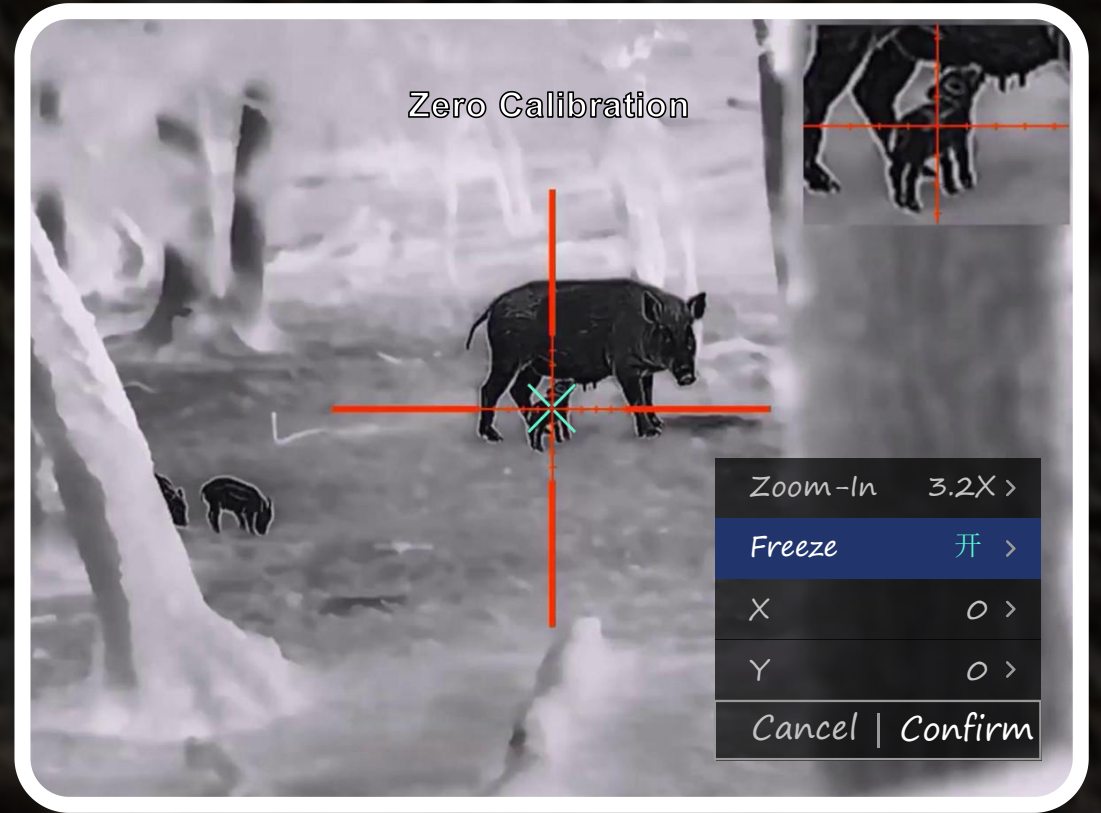
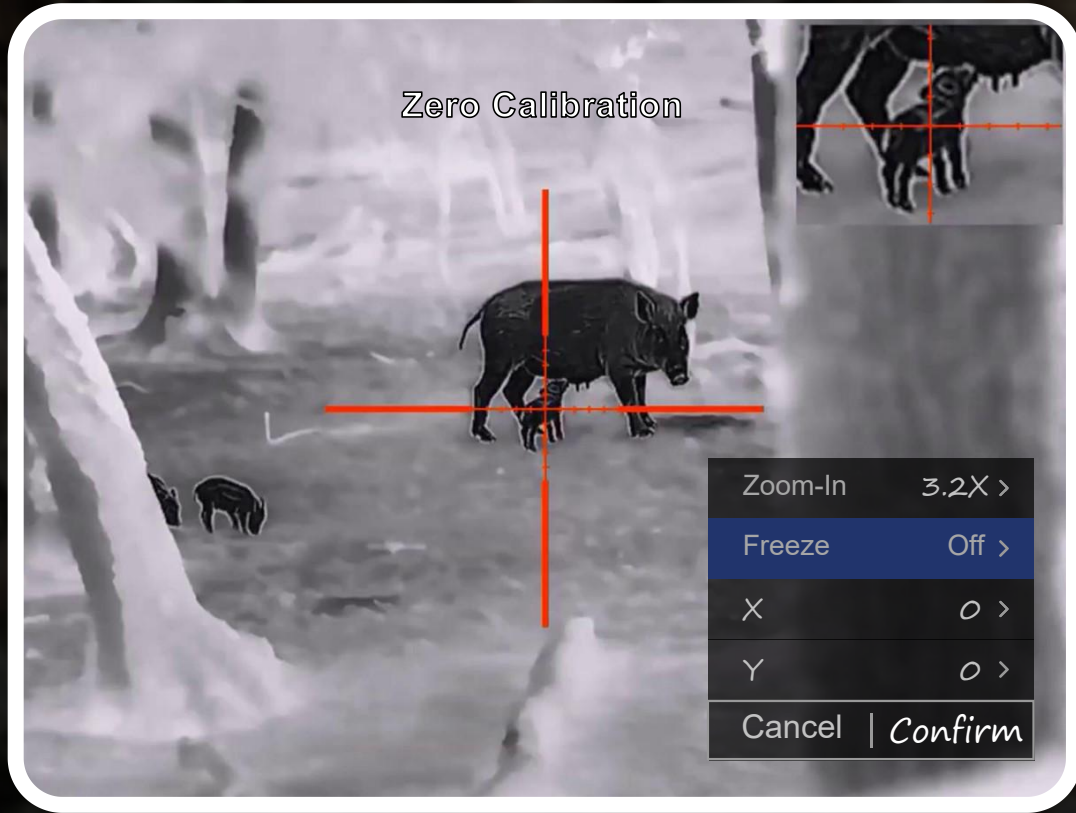


Protection rating
IP67



One-touch Freeze

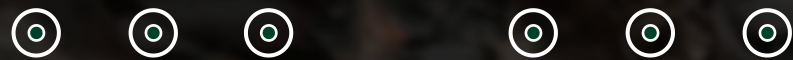


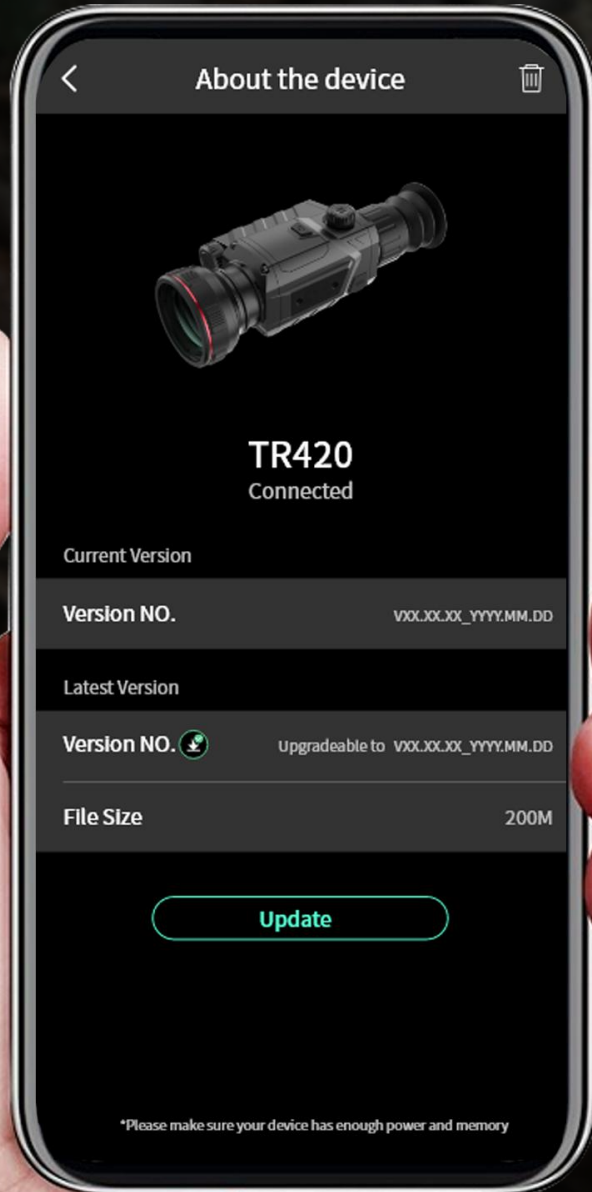


This operation prevents the deviation caused by the artificial movement of the scope when adjusting the trajectory.



Remote Upgrade





OTA Upgrade

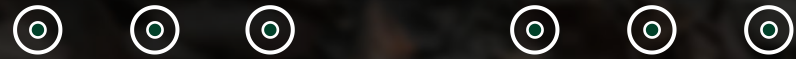
Connect to APP (Android or iOS) for
OTA upgrade, quick and convenient



Target IR



More Advantages





✓ Photo

✓ WIFI

✓ Video

✓ APP

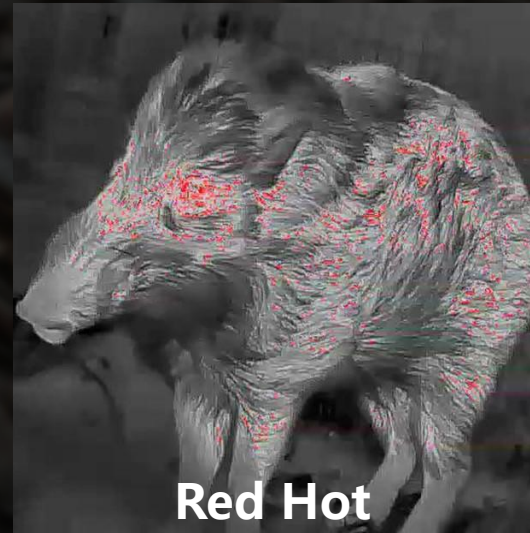




White Hot



Black Hot



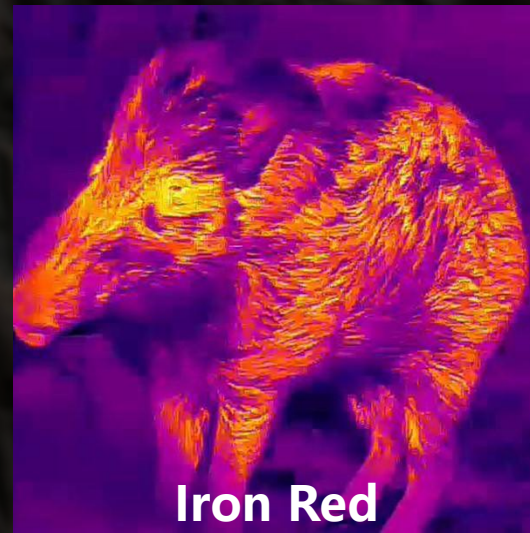
Red Hot

Six Color Palettes

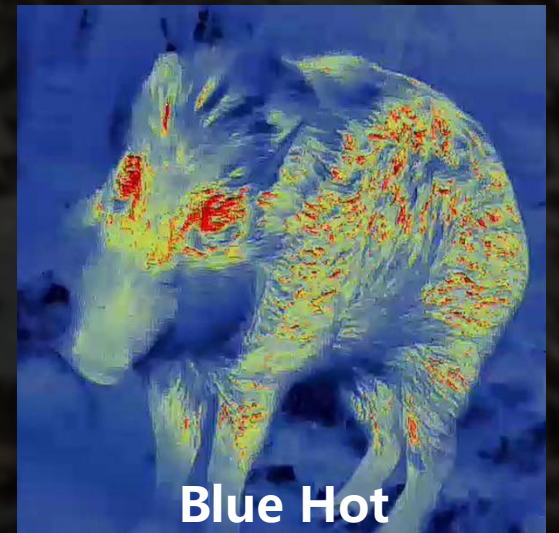
to highlight the target



Green Hot



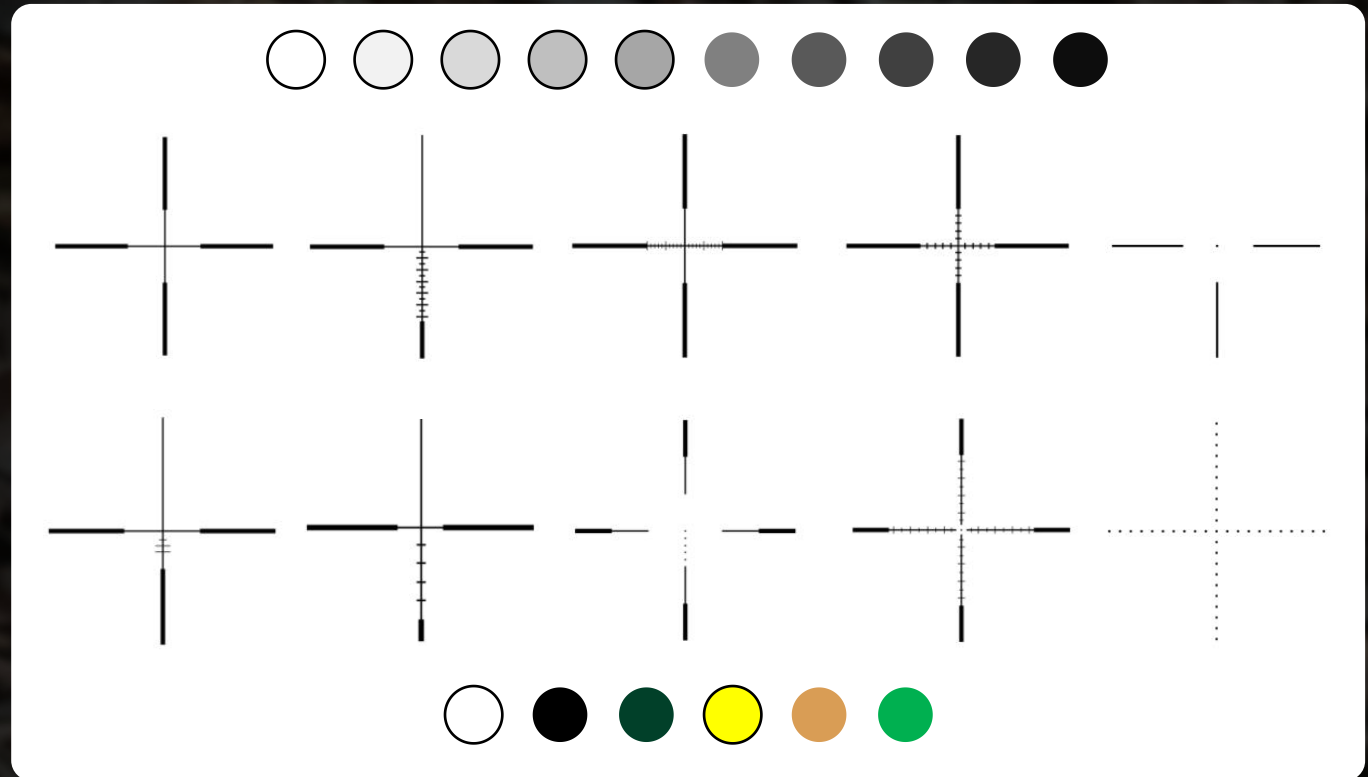
Iron Red



Blue Hot

Customizable Reticle

- ✓ **10** Reticle Types
- ✓ **6** Colors
- ✓ **10** Levels of Reticle Brightness





Mechanical interface

Picatinny rail



**External
laser range finder**



3

Specifications





VS



- **17 μ m Detector, 384**
- **1024 \times 768 OLED**
- **4.5h Battery life**
- **Return to factory for upgrade**
- **500G High shock resistance**
- **720g Weight**

- **12 μ m Detector, 384/640**
- **1024 \times 768 OLED**
- **8h Battery life**
- **OTA Upgrade**
- **800G High shock resistance**
- **590g Weight**
- **WIFI, Photo and video recording**
- **One-touch freezing for easy zeroing**

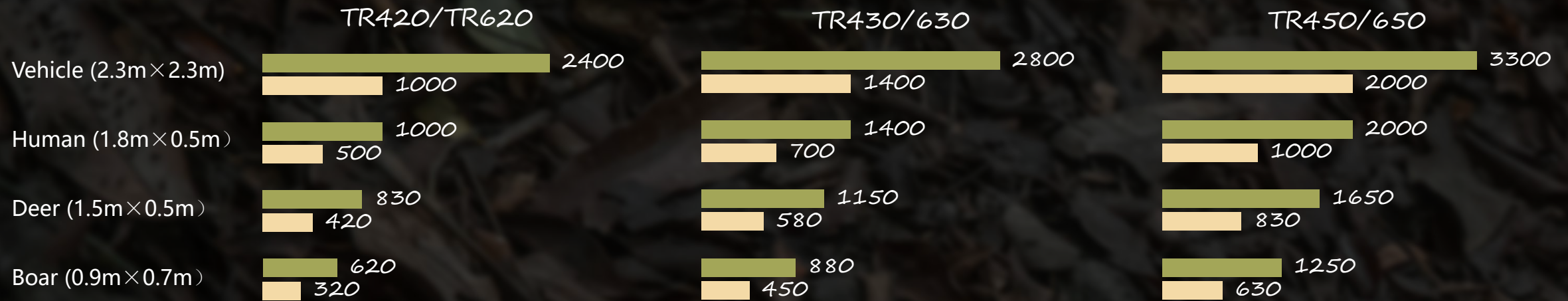


Specifications

Product model	TR420	TR430	TR450	TR620	TR630	TR650
Detector type	VOx, 8 to 14 μm					
Detector resolution	384 × 288, 12 μm			640 × 480, 12 μm		
NETD	≤30 mk					
Frame rate	50 Hz					
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	1x ~ 4x			1x ~ 8x		
Battery type	Single, replaceable 18650 battery					
Battery life	≥ 8 hours					
USB	Type C USB 2.0 for power supply, data transfer, analog video output					
Display type	0.39" OLED					
Eyepiece	Exit pupil distance ≥ 48 mm, Diopter ± 4					
Video output	Analog video					
Operating temperature	-30°C to 50°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					
Certification	IP67, FCC, CE, RoHS, EAC, WEEE, UKCA, un38.3					
Weight	≤540 g		≤590 g	≤540 g		≤590 g
Size (L × W × H)	202 × 88 × 66 mm	208 × 88 × 66 mm	219 × 88 × 66 mm	202 × 88 × 66 mm	208 × 88 × 66 mm	219 × 88 × 66 mm
Standard	Type C cable, 5V2A adapter (US, Britain, Australia and Europe), 18650 battery, Battery charger, lens cap, eye mask, quick start guide					
Optional	18650 battery, Bluetooth remote control, Type C to USB and AV cable, Laser rangefinder					



Operating distance



Detection Range Recognition Range Unit: m



Accessories Introduction



lens cap x1

Sight base x1



5V2A adapter (US, Britain, Australia and Europe)

Type C cable x1



18650 battery x1



Battery charger x1



Eye mask x1



Quick start guide x1



Warranty card x1

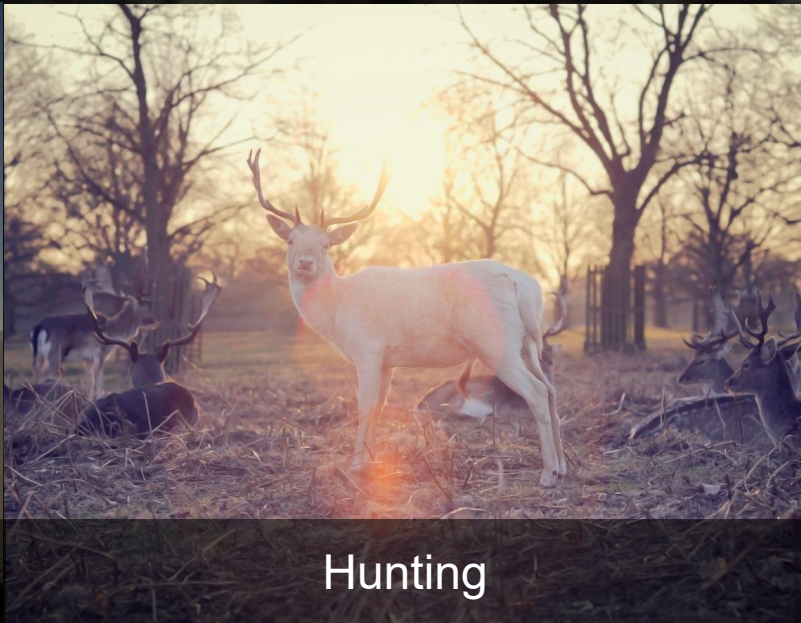


4 Applications

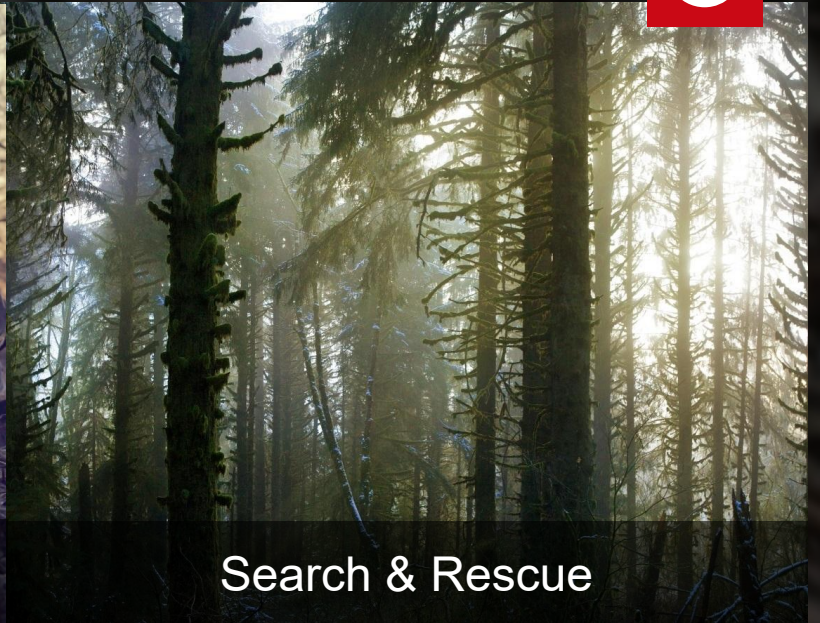




Outdoor



Hunting



Search & Rescue



Livestock Breeding



Personal Security





Law Enforcement

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