

TR Gen2 Series

Thermal Imaging Scope

Built Light, Built Strong

outdoor

Introduction

The TR Gen2 Series thermal imaging scope is designed for hunters seeking high performance and portability. It offers a variety of resolutions and lens options to meet diverse scene requirements. The lightweight yet durable design weighs as little as 515g, making it easy to carry. A 10-minute quick charge allows for 1 hour of continuous use, and the hot-swappable battery ensures you won't miss any key moments.

Features

- o **Highly sensitive:** 12μm infrared detector, NETD reaches 25mK
- o **Lightweight design:** slim and lightweight body, combining a metal feel with comfortable handling.
- o **Long battery life:** 10 hours of operation, 20W quick charging, and supports hot-swappable batteries.
- o **Smart recording:** automatically record videos and take photos during shooting, capturing shooting moments
- o **Rugged and durable:** IP67 waterproof and dustproof, high shock resistance of 1000G
- o **WiFi upgrade:** supports 2.4G/5G dual-band, enabling more efficient data transmission.
- o **Powerful APP:** Connect mobile APP for OTA firmware upgrade and ballistics calculation

Applications

- o Night Hunting
- o Law Enforcement
- o Search & Rescue
- o Personal security



Specifications

Product model	TR212	TR222	TR422	TR432
Sensor				
Type	Uncooled VOx Infrared Detector, 8 to 14μm			
Resolution	256×192@12μm		400×300@12μm	
NETD	30mK		25mK	
Frame rate	50Hz			
Lens				
Objective lens	19mm, F1.0	25mm, F1.0		35mm, F1.0
Field of view	9.2°×6.9°	7°×5.3°	11°×8.2°	7.9°×5.9°
FOV m@100m	16×12	12×9	19×14	14×10
Magnification	2.8x~11.2x	3.6x~14.4x	2.3x~9.2x	3.3x~13.2x
Detection range	1000m/1090yd	1300m/1400yd		1800m/1950yd
Focus	Manual			
Display				
Display type	0.39" AMOLED 1024×768			
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia			
Eyepiece	Eye relief: 48mm; Diopter -5 to +5; Zoom: 14x			
Hardware				
WIFI	2.4G, 5G			
Interface	USB-C			
Others	Microphone, Bluetooth			
System				
Recording function	Photo/Video (Audio recording included)			
Memory capacity	16GB			
Power				
Battery type	Single battery (built-in) and Single replaceable 18500 battery (external)			
Operating time	10 hours			
Environmental				
Operating temp.	-20°C to 50°C / -4°F to +122°F			
Shock	1000G (as per IEC60068-2-27)			
Encapsulation	IP67			
Physical				
Weight (g/oz)	515/18.17	525/18.52	551/19.44	572/20.18
Size (mm/in)	221×57×72/8.7×2.24×2.83		244×57×72/9.61×2.24×2.83	
Standard	Device, Lens cover, Eye mask, Carrying bag, Quick-release scope mount, 18500 battery, Battery charger, Quick charging adapter, USB-C to USB-C Cable, Quick use guide, Warranty card			
Optional	Bluetooth remote control, 18500 battery			

* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors. All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.