

INNIPO

INFRARED Thermal Imager

TR22 SERIES



FC



CE

PRODUCT SAFETY CERTIFICATION

Product Introduction

TR22 series is an excellent infrared thermal imager. Which is small size, compact, light weight and portable and it conforms to the ergonomic design.

It is built by the design team that has won the Red Dot Award, the highest award in the world, according to the design concept of toughness, muscle, domineering and technology.

Using the most advanced infrared thermal imaging night vision system with excellent image quality.

It can meet the requirements of high shock vibration and can adapt to various harsh environments.

It is convenient to set a variety of aiming cursors to meet various applications in law enforcement inspections, outdoor hunting and other occasions.

INNPO

- ➔ **Light、 Compact、 Simple**
- ➔ **10 hours long standby**
- ➔ **12μm pixel, High Image Quality, Longer detection range**
- ➔ **User-Friendly Interface**
- ➔ **Picture-in- Picture**



Technical Parameters

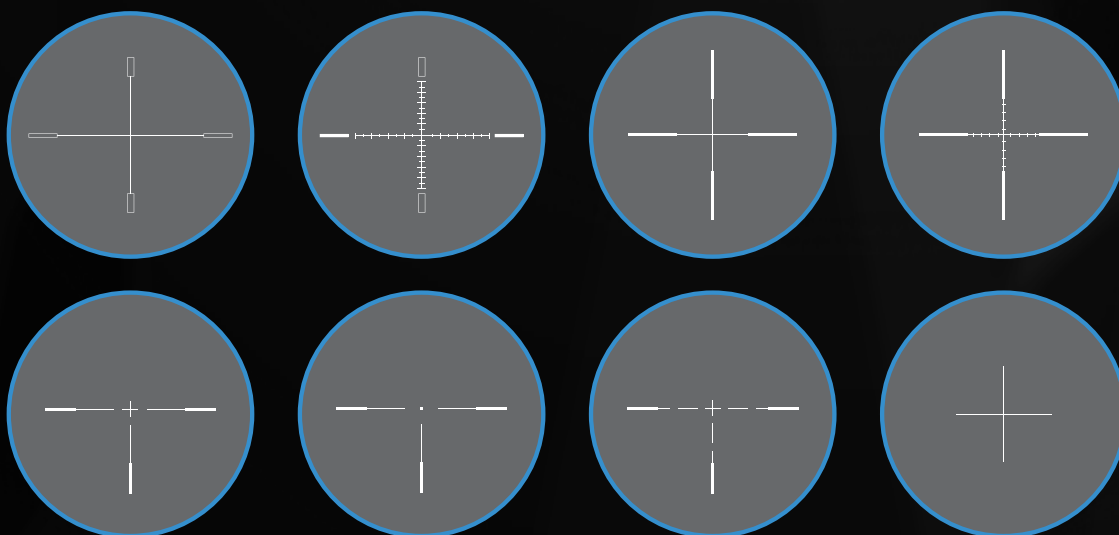
Model	Lens	lens	lens	lens	lens	lens
TR22	TR22-325LRF	TR22-335LRF	TR22-350LRF	TR22-625LRF	TR22-635LRF	TR22-650LRF
Lens	25mm	35mm	50mm	25mm	35mm	50mm
Resolution,Pixel	384x288	384x288	384X288	640X512	640X512	640X512
Magnification	2.39—19.11X	3.34—26.75X	4.78—38.22X	1.4—11.19X	1.96—15.67X	2.8—22.38X
NETD	≤35mk					
Resolution,Pixel	12μm					
Frame rate	50 Hz					
Display Resolution	1024*768 OLED					
Digital zoom	2×,4×,8×					
Field of View (HxV)	10.5°×7.9°	7.5°×5.7°	5.3°×4°	17.5°×14°	12.5°×10°	8.8°×7°
Eyerelief	48mm					
Dioptre adjustment, dpt	±5					
Calibration	Shutter Calibration, scene Calibration, automatic Calibration					
Reticle Type	8-Pattern optional, or “NO reticle”					
Reticle Color	5 colors: White, Black, Red, Green, Yellow					
Image Palettes	White Hot / Black Hot/ Red hot /Iron red/Fusion					
PIP	Yes					
Battery Type	Li-ion 18650 Rechargeable Battery Replaceable					
Battery Life (Operating)	>8hours					
External power supply	TYPE-C interface					
Housing Materials	Aluminum Alloy					
Size (L × W × H)	194mm*77.6mm	199.6mm*77.6mm	209.6mm*77.6mm	194mm*77.6mm	199.6mm*77.6mm	209.6mm*77.6mm
mm / inch	*58mm	*58mm	*49mm	*58mm	*58mm	*49mm
Weight (Without battery) Kg/ oz	515g	520g	545g	515g	520g	545g
Protection rate	IP67					
Operating Temperature	-30°C ... +60 °C					

Product Features

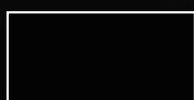


Optional Reticle Types

- Excellent imaging performance, with 12μm@1024*768 OLED metal-encapsulated thermal detector for longer detection range and crisper images.
- 50Hz high frame rate, ensuring capture smooth and vivid image during fast motion of observer or object of observation.
- 1024*768 resolution AMOLED eyepieces,colorfuland detailed images



Reticle Colors Pattern



Black



White



Red



Yellow



Green

➔ 2 Scene Modes

- The scope features a quick switch function for choosing between two scene modes: Jungles and recognition. The image will be adjusted according to the selected scene mode, allowing you to adapt to different environments.

➔ Calibration mode

Shutter Calibration

Scene Calibration

Automatic Calibration

➔ Quality Image

- Highly Sensitive Thermal Image Sensor
 - ① The 12μm, NETD ≤35mK sensor allows you to experience precision detail recognition during the roughest weather conditions when thermal contrast is low. The cutting-edge sensor is designed with advanced technology to deliver organic and rich imaging.
 - ② The 50 Hz frame rate of the sensor ensures strong dynamic capture ability. With no picture smearing delay, the sensor delivers vivid images of consistent sharpness and higher clarity.
- 1024*768 resolution AMOLED eyepieces, Providing the clearer and detailed images.

➔ Super-long Standby

- One 18650 lithium battery can reach **10 hours** of stand-by time You don't worry about changing the battery frequently



➔ Build-in Rangefinder

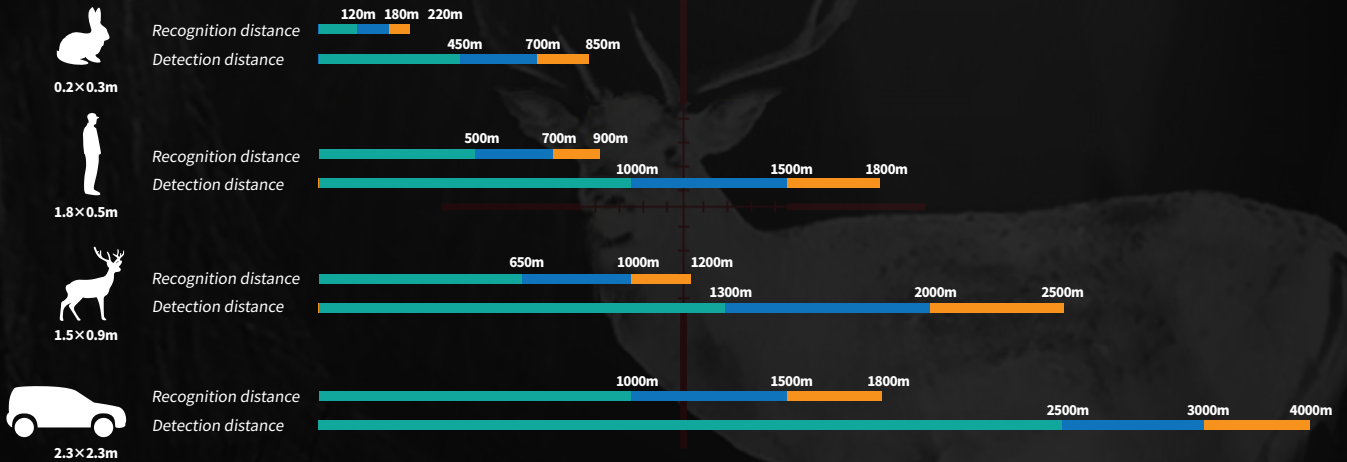
- It can detect targets as far as 800 meters

→ Detection Range(m)

TR22-325LRF/TR22-625LRF

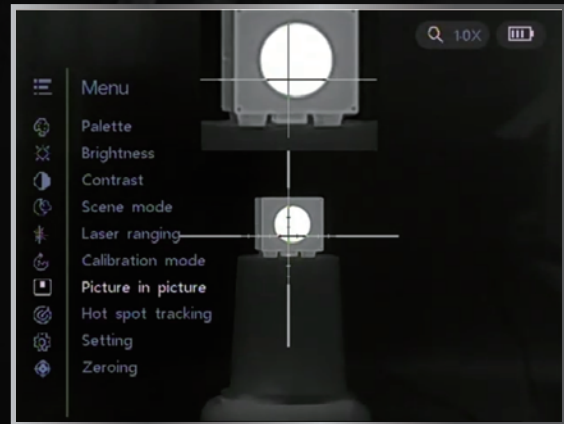
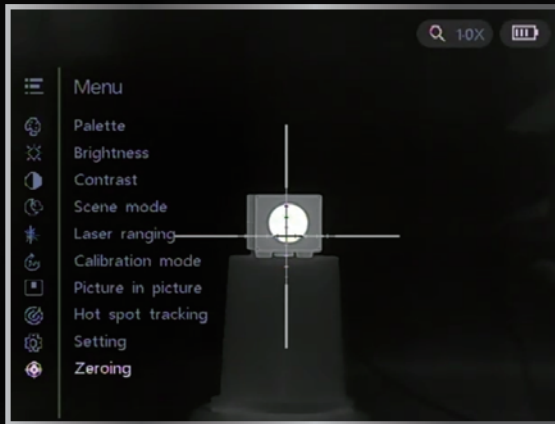
TR22-335LRF/TR22-635LRF

TR22-350LRF/TR22-650LRF



→ User-Friendly Interface

→ Picture-in- Picture



- Zoom-in on the center of the reticle, and the relative position of the aiming point and the reticle remains unchanged to ensure the aiming accuracy.
- The mil of the reticle can be zoomed in with the image, no conversion required, avoid errors
- With multi-user customized settings, parameter information of an array of reticles can be saved to match different rifles.
- Battery-mount user-friendly design, both side can be mounted, change battery easily in darkness.



➔ Rugged and durable

- IP67 degree of protection, water proof and dust proof high shock resistance, no fears of harsh weather



➔ Application field



01
Search
Rescue



02
Law
Enforcement



03
Hunting
Observation



04
Personal
Security

Packing configuration

The configuration of the thermal imager is as follows.

S/N	Item	Qty.
①	Thermal imager	1
②	18650 rechargeable battery	2 (optional)
③	battery charger	1
④	Operation & Maintenance Manual	1
⑤	Lens cleaning wipes	1
⑥	Tool kit	1
⑦	Mount	1



NNIPO

THERMAL IMAGING



Shenzhen NNPO Technology Co., LTD

Http: www.nnpotech.com
E-mail: sales@nnpotech.com

TEL: +86 0755-2790-1239
ADD: Building 4, DH Flying Technology Industry Park, No.16,
Dahua Road, Baoan District, Shenzhen, Guangdong, China
518105