

TN 2.0

Handheld Thermal Imaging Binoculars

outdoor

One Finger Focus, Ready for Action

Features

- o **Lightweight Design:** Classic slim binocular structure with stepless adjustable 58–72mm interpupillary distance.
- o **Ultra-Clear Detection:** 12 μ m thermal detector + 18mK NETD with Hyper-light enhancement algorithm.
- o **Intuitive Control:** Precision focus wheel for effortless one-handed use; customizable buttons for a personalized user experience.
- o **Laser Range:** Pinpoint target locations with accuracy, up to 1500m.
- o **Smart Connectivity:** Dual-band Wi-Fi connection, OTA upgrade via TargetIR APP.
- o **Rugged & Efficient:** IP67-rated with auto screen-off for both energy saving and discreet use.

Applications

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



Specifications

Product model	TN450L 2.0		TN650L 2.0	
Sensor				
Type	Uncooled VOx Infrared Detector, 8 to 14μm			
Resolution	400×300@12μm		640×512@12μm	
NETD	20mK		18mK	
Frame rate	50Hz			
Lens				
Objective lens	50mm, F1.0			
Field of view	5.2°×3.1°		8.2°×5.0°	
FOV m@100m	9×5		14×9	
Magnification	6.2x-24.8x		3.9x~31.2x	
Detection range	2600m/2800yd			
Focus	Manual			
Display				
Display type	0.49" AMOLED 1920×1080			
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia			
Eyepiece	Eye relief: 20mm; Diopter: -6 to +6; Interpupillary distance adjustment: 60~70mm; Zoom: 13.8x			
Hardware				
Laser rangefinder	1500m/1630yd			
WIFI	2.4G, 5G			
Interface	USB-C (Support charging)			
Others	Microphone, Compass, Gyroscope, Bluetooth			
System				
Recording function	Photo/Video (Audio recording included)			
Memory capacity	64GB		128GB	
Power				
Battery type	Customized Battery (Built-in) and 18650 ×1 Battery (External)			
Operating time	8 hours		7 hours	
Environmental				
Operating temp.	-20°C to 50°C / -4°F to +122°F			
Encapsulation	IP67			
Physical				
Weight (g/oz)	722/25.47		712/25.11	
Size (mm/in)	208×137×68.5/8.2×5.39×2.69			
Standard	Device, Eye Mask, Neck Strap, Carry Bag, 18650 Battery ×1, Battery Charger, 5V 2A Adapter (US or UK or Australia or Europe), USB-A to USB-C Cable, Quick Start Guide, Warranty Card			
Optional	Bluetooth Remote Control, 18650 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.