

TD Gen3 LRF Series

Handheld Thermal Imaging Monocular

Seize the Hunt

Introduction

The TD Gen3 Series handheld thermal imaging monocular innovatively integrates a laser rangefinder while maintaining a compact design. The focusing roller allows for convenient one-handed operation, while the symmetrical ergonomic design enables flexible handling with either hand. With an impressive 12-hour battery life and IP67, it is well-equipped to handle various outdoor challenges. Featuring Wi-Fi connection, it enhances the efficiency and enjoyment of your exploration.

Features

- o Ergonomic design with a focusing roller for one-handed operation.
- o Integrated 1000m high-accuracy laser rangefinder.
- o 0.36" AMOLED display for upgraded crisp images.
- o 18650 battery provides up to 12-hour operation, easy installation in the dark.
- o Built-in 32GB storage for recording photos, videos, and audio files.
- o IP67 waterproof & dustproof, all-weather durability.
- o Dual-band Wi-Fi connection, OTA upgrade via TargetIR APP.

Applications

- o Night Hunting
- o Wild Adventure
- o Search & Rescue



Specifications



Product model	TD413L	TD423L	TD433L	TD623L	TD633L
Sensor					
Type	Uncooled VOx Infrared Detector, 8 to 14μm				
Resolution	400×300@12μm			640×512@12μm	
NETD	25mK			20mK	
Frame rate	50Hz				
Lens					
Objective lens	19mm F1.0	25mm F1.0	35mm F1.0	25mm F1.0	35mm F1.0
Field of view	14.4°×10.8°	11.0°×8.2°	7.9°×5.9°	17.5°×14°	12.5°×10°
FOV m@100m	25×19	19×14	14×10	31×25	22×17
Magnification	1.6x~6.4x	2.1x~8.4x	2.9x~11.6x	1.3x~5.2x	1.8x~7.2x
Detection range	1000m/1090yd	1300m/1400yd	1800m/1950yd	1300m/1400yd	1800m/1950yd
Focus	Manual				
Display					
Display type	0.36" AMOLED 1280×960				
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia				
Eyepiece	Eye relief: 20mm; Diopter: -6 to +6; Zoom: 13.8x				
Hardware					
Laser rangefinder	1000m/1090yd				
WIFI	2.4G, 5G				
Interface	USB-C				
Others	Microphone, Bluetooth				
System					
Recording function	Photo/Video (Audio recording included)				
Memory capacity	16GB			32GB	
Power					
Battery type	Single, Replaceable 18650 Battery				
Operating time	12 hours			10 hours	
Environmental					
Operating temp.	-20°C to 50°C / -4°F to +122°F				
Encapsulation	IP67				
Physical					
Weight (g/oz)	361/12.73	357/12.59	370/13.05	364/12.84	376/13.26
Size (mm/in)	159×54×74/6.26×2.13×2.91				
Standard	Device, Hand Strap, Eye Mask, Battery Charger, 18650 Battery ×1, 5V 2A Adapter (US, UK, Australia, and 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.