

## TD Gen3 Series

Handheld Thermal Imaging Monocular

# Fingertip focus

### Introduction

The TD Gen3 Series handheld thermal imaging monocular, compact in design, yet powerful in function. 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 12μm advanced thermal detector, NETD down to 20mK
- o Ergonomic design with a focusing roller for one-handed operation.
- 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	TD433	TD633	TD653
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	35mm, F1.0		50mm, F1.0
Field of view	7.9°×5.9°	12.5°×9.4°	8.8°×6.6°
FOV m@100m	14×10	22×17	15×12
Magnification	2.9x~11.6x	1.8x~14.4x	2.6x~20.8x
Detection range	1800m/1950yd		2600m/2800yd
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			
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)	355/12.52	362/12.77	461/16.26
Size (mm/in)	159×54×74/6.26×2.13×2.91		189.5×67.5×88/7.46×2.66×3.46
Standard	Device, Dust-Free Cloth, Hand Strap, Eye Mask, Battery Charger, 18650 Battery ×1, 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.