



# GUIDE

## Dual Focus, Infinite Views

**TJ LRF Zoom Series**

Handheld Thermal  
Imaging Monocular

### Introduction

TJ LRF Zoom Series adapts an integrated 20mm/60mm DFOV lens, allowing you to switch the focal length accordingly, whether it is a large-scale search or a long-distance target identification. The high-sensitivity 12 $\mu$ m infrared detector and full HD display enable clear night vision. Two-handed operation, laser ranging, video recording, and up to 10 hours of battery life make it an ideal partner for your nighttime adventures.

### Features

- Thermal detector: 640 $\times$ 512@12 $\mu$ m, NETD < 20mK
- 3x optical zoom, wide/narrow FOV switch in one step
- Full-HD 1920 $\times$ 1080 AMOLED display
- Built-in laser range finder up to 1000m
- Unique button and battery design enables blind operation in the dark
- Adaptable for left and right-handed use
- Video recording including sound
- IP67, 10 hours of operation

### Applications

- Night Hunting
- Search & Rescue
- Law Enforcement
- Personal Security



## Specifications

Product model	TJ660LZ
<b>Sensor</b>	
Type	Uncooled VOx Infrared Detector, 8 to 14 $\mu$ m
Resolution	640×512@12 $\mu$ m
NETD	20mK
Frame rate	50Hz
<b>Lens</b>	
Objective lens	20mm, F0.9; 60mm, F1.1
Field of view	22.5°×16.7°; 7.2°×5.4°
FOV m@100m	40×29; 13×9
Magnification	1.5x~12.0x; 4.5x~36x
Detection range	1000m/1090yd; 3100m/3350yd
<b>Display</b>	
Display type	0.39" AMOLED 1920×1080
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Eyepiece	Exit pupil distance 16 mm; Diopter: -6 to +6; Zoom: 18x
<b>Hardware</b>	
Laser rangefinder	1000m/1090yd
WIFI	2.4G, 5G
Interface	USB Type-C (Power supply/USB2.0)
Others	Microphone, Compass, Gyroscope, Bluetooth
<b>System</b>	
Recording function	Photo/Video (Audio recording included)
Memory capacity	64GB
<b>Power</b>	
Battery type	2 replaceable 18650 batteries
Operating time	10 hours
<b>Environmental</b>	
Operating temp.	-20°C to 50°C / -4°F to +122°F
Encapsulation	IP67
<b>Physical</b>	
Weight (g/oz)	784/27.65
Size (mm/in)	259×97×66/10.20×3.82×2.60
Standard	A device, Wrist strap, Battery charger, 18650 battery×2, 5V2A adapter (US, Britain, Australia and Europe), USB Type-C cable, Quick use guide, Warranty card
Optional	Bluetooth remote control, 18650 battery