

## TJ LRF Zoom Series

Handheld Thermal Imaging Monocular

# Dual Focus, Infinite Views

outdoor **APEX  
VISION**

### 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

- o Next-gen infrared imaging system APEXVISION for ultra-clarity
- o Thermal detector: 640 $\times$ 512@12 $\mu$ m, NETD < 15mK
- o 3x optical zoom, wide/narrow FOV switch in one step
- o Full-HD 1920 $\times$ 1080 AMOLED display
- o Built-in laser range finder up to 1000m
- o Unique button and battery design enables blind operation in the dark
- o Adaptable for left-and right-handed use
- o Video recording including sound
- o IP67, 10 hours of operation

### Applications

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



## Specifications

Product model	TJ660LZS
<b>Sensor</b>	
Core Technology Item	Equipped with full ApexVision S1 system architecture: Detector ApexCore S1 + Platform Nexus 1.0 + Algorithm Hyper-Light 2.0
Type	Uncooled VOx Infrared Detector, 8 to 14μm
Resolution	640×512@12μm
NETD	15mK
Frame rate	50Hz
<b>Lens</b>	
Objective lens	20mm, F0.9; 60mm, F1.1
Field of view	21.7×16.4; 7.3×5.5
FOV m@100m	38×29; 13×10
Magnification	1.2x~9.6x; 3.5x~28x
Detection range	1000m/1090yd; 3100m/3350yd
Focus	Manual
<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	Eye relief: 20mm; Diopter: -6 to +6; Zoom: 13.8x
<b>Hardware</b>	
Laser rangefinder	1000m/1090yd
WIFI	2.4G, 5G
Interface	USB-C (Power supply/USB2.0)
Others	Microphone, Compass, Gyroscope, Bluetooth
<b>System</b>	
Recording function	Photo/Video (Audio recording included)
Memory capacity	128GB
<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)	764/26.95
Size (mm/in)	259×97×69/10.20×3.82×2.72
Standard	Device, Hand Strap, Carry Bag, Lint-Free Cloth, 18650 Battery ×2, Battery Charger, 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.