Guide

APEX VISION

outdoor

TJ LRF Zoom Series

Handheld Thermal Imaging Monocular

# Dual Focus, Infinite Views

## Introduction

The 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 12μm 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

- Next-gen infrared imaging system APEXVISION for ultra-clarity
- Thermal detector: 640×512@12μm, NETD < 15mK
- 3x optical zoom, wide/narrow FOV switch in one step
- Full-HD 1920×1080 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
- Wild Adventure
- Search & Rescue

## Specifications

| Product model | TJ660LZS |
|---|---|
| **Sensor** | |
| Core technology | 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 |
| **Lens** | |
| 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 |
| **Display** | |
| 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 |
| **Hardware** | |
| Laser rangefinder | 1000m/1090yd |
| Wi-Fi | 2.4G, 5G |
| Interface | USB-C (Power supply/USB2.0) |
| Others | Microphone, Compass, Gyroscope, Bluetooth |
| **System** | |
| Recording function | Photo/Video (Audio recording included) |
| Memory capacity | 128 GB |
| **Power** | |
| Battery type | 2 Replaceable 18650 Batteries |
| Operating time | 10 hours |
| **Environmental** | |
| Operating temp. | -20°C to 50°C / -4°F to +122°F |
| Encapsulation | IP67 |
| **Physical** | |
| Weight (g/oz) | 764/26.95 |
| Size (mm/in) | 259×97×69/10.20×3.82×2.72 |
| Standard | Device, Hand Strap, Neck Strap, Lint-Free Cloth, 18650 Battery ×2, Battery Charger, 5V 2A Adapter, 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.