



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 μ 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: 640×512@12 μ m, NETD < 20mK
- 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
- Search & Rescue
- Law Enforcement
- Personal Security



Specifications

Product model	TJ660LZ
Sensor	
Type	Uncooled VOx Infrared Detector, 8 to 14μm
Resolution	640×512@12μm
NETD	20mK
Frame rate	50Hz
Lens	
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
Display	
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
Hardware	
Laser rangefinder	1000m/1090yd
WIFI	2.4G, 5G
Interface	USB Type-C (Power supply/USB2.0)
Others	Microphone, Compass, Gyroscope, Bluetooth
System	
Recording function	Photo/Video (Audio recording included)
Memory capacity	64GB
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)	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

* 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.