

APEX
VISION

TJ LRF Pro Series

Handheld Thermal Imaging Monocular

Indulge in
A Visual Feast

outdoor

Introduction

TJ LRF Pro Series has fully upgraded its hardware configuration and software functions, bringing it to new heights in picture clarity, observation comfort, and intelligent operation. It is equipped with a 12 μ m high-sensitivity infrared detector, making your targets in the dark clearly visible and lifelike. 0.5" ultra-large AMOLED display presents you with a stunning visual effect like a home theater. Built-in 1500m laser rangefinder, triggered with one button, makes your adventure more secure and smooth.

Features

- o Next-gen infrared imaging system APEXVISION for ultra-clarity
- o 12 μ m advanced thermal detector, NETD down to 15mK
- o Stunning visual effects like a 90" home theater at 2.5m distance
- o Laser Range Finder up to 1500m
- 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

Applications

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



Specifications

Product model	TJ1250LS
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	1280×1024@12μm
NETD	15mK
Frame rate	50Hz
Lens	
Objective lens	50mm, F0.9
Field of view	17.5°×13.1°
FOV m@100m	31×23
Magnification	2.36x-37.76x
Detection range	2600m/2800yd
Focus	Manual
Display	
Display type	0.5" AMOLED 1600×1200
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Eyepiece	Eye relief: 16mm; Diopter: -6 to +6; Zoom: 18x
Hardware	
Laser rangefinder	1500m/1630yd
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	256 GB
Power	
Battery type	2 Replaceable 18650 Batteries
Operating time	7 hours
Environmental	
Operating temp.	-20°C to 50°C / -4°F to +122°F
Encapsulation	IP67
Physical	
Weight (g/oz)	687/24.23
Size (mm/in)	234×100×66/9.21×3.94×2.60
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.