



# GUIDE

## Laser Sharp at 1500m

**TJ LRF Pro Series**

Handheld Thermal  
Imaging Monocular

### 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 $\mu$ 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 12 $\mu$ m advanced thermal detector, NETD down to 20mK
- 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 Law Enforcement
- o Search & Rescue
- o Personal Security



## Specifications

Product model	TJ630LP	TJ650LP
<b>Sensor</b>		
Type	Uncooled VOx Infrared Detector, 8 to 14μm	
Resolution	640×512@12μm	
NETD	20mK	
Frame rate	50Hz	
<b>Lens</b>		
Objective lens	35mm, F1.0	50mm, F1.0
Field of view	12.5°×9.4°	8.8°×6.6°
FOV m@100m	22×16	15×12
Magnification	3.31x~26.48x	4.73x~37.84x
Detection range	1800m/1950yd	2600m/2800yd
<b>Display</b>		
Display type	0.5" AMOLED 1600×1200	
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	1500m/1630yd	
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	9 hours	
<b>Environmental</b>		
Operating temp.	-20°C to 50°C / -4°F to +122°F	
Encapsulation	IP67	
<b>Physical</b>		
Weight(g/oz)	584/20.60	618/21.80
Size(mm/in)	247×101×70/9.72×3.98×2.76	
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.