



# GUIDE

## Ultra-light, Ultra-strong

**TB LRF Series**

Thermal Imaging  
Attachment

### Introduction

The TB LRF Series perfectly balances precision and portability. The magnesium alloy housing decreases weight while increasing precision. The weights are over 20% lighter than those of other similar products. It is also more compact than our previous clip-on. Meanwhile, a Full-HD AMOLED display is capable, a wider viewing angle, and richer color. It is the ideal partner for relax hunting.

### Features

- Thermal detector: 640×512@12μm, NETD < 20mK
- Full-HD 1920×1080 AMOLED display
- Magnesium alloy housing, compact design, lightweight but powerful
- Laser Range Finder up to 1000m
- Double side focus knob for easy operation
- Video recording including sound
- IP68, shock resistance up to 1000G/ms

### Applications

- Night Hunting
- Law Enforcement
- Search & Rescue
- Personal Security



## Specifications



Product model	TB630 LRF(Version A)	TB630 LRF(Version B)
<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	
Field of view	12.5°×9.4°	
FOV m@100m	22×16	
Magnification	1x	
Detection range	1800m/1950yd	
<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	Exit pupil distance 20mm; Zoom: 9.5x	
<b>Hardware</b>		
Laser rangefinder	1000m/1090yd	
WIFI	2.4G, 5G	
Interface	USB Type-C (Power supply/USB2.0)	
Others	Microphone, Bluetooth	
<b>System</b>		
Recording function	Photo/Video (Audio recording included)	
Memory capacity	64GB	
<b>Power</b>		
Battery type	Single, replaceable 18650 battery	
Operating time	6 hours	
<b>Environmental</b>		
Operating temp.	-20°C to 50°C / -4°F to +122°F	
Shock	1000G at 1ms half sine pulse (as per IEC60068-2-27)	
Encapsulation	IP68	
<b>Physical</b>		
Weight (g/oz)	450/15.87	447/15.77
Size (mm/in)	130×86×79/5.12×3.39×3.11	130×80×79/5.12×3.15×3.11
Standard	A device, Rail, Battery charger, 18650 battery×2, 5V2A adapter (US, Britain, Australia and Europe), USB Type-C cable, Quick use guide, Warranty card	A device, Battery charger, 18650 battery×2, 5V2A adapter (US, Britain, Australia and Europe), USB Type-C cable, Quick use guide, Warranty card
Optional	18650 battery, Bluetooth remote control, Cover ring adapter	
<b>Cover ring adapter</b>		
A	Weighs 70g, compatible with 38/40/42/44/46mm	
B	Weighs 80g, compatible with 48/50/52/54mm	
C	Weighs 90g, compatible with 56/58/60/62/64mm	

\* 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.