



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)
Sensor		
Type	Uncooled VOx Infrared Detector, 8 to 14μm	
Resolution	640×512@12μm	
NETD	20mK	
Frame rate	50Hz	
Lens		
Objective lens	35mm, F1.0	
Field of view	12.5°×9.4°	
FOV m@100m	22×16	
Magnification	1x	
Detection range	1800m/1950yd	
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 20mm; Zoom: 9.5x	
Hardware		
Laser rangefinder	1000m/1090yd	
WIFI	2.4G, 5G	
Interface	USB Type-C (Power supply/USB2.0)	
Others	Microphone, Bluetooth	
System		
Recording function	Photo/Video (Audio recording included)	
Memory capacity	64GB	
Power		
Battery type	Single, replaceable 18650 battery	
Operating time	6 hours	
Environmental		
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	
Physical		
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	
Cover ring adapter		
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.