

TB LRF Pro Series

Thermal Imaging Attachment

1000m in Your Reach

outdoor

Introduction

After an in-depth hardware upgrade and software optimization, the TB LRF Pro Series combines precision and portability. Its appearance remains light without reducing professionalism at all: built-in laser rangefinder can reach an ultra-long distance of up to 1,000 meters; two batteries empower a longer operating time; full HD AMOLED display brings a rich and detailed visual experience; it also supports intelligent functions such as image tracing, automatic recording after each shot, etc.

Features

- 12 μ m advanced thermal detector, NETD down to 18mK
- Full-HD 1920x1080 AMOLED display
- Built-in laser rangefinder up to 1000m
- Support image tracing, automatic recording
- Double side focus knob for easy operation
- Video recording including sound
- IP68, shock resistance up to 1000G/ms

Applications

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



Specifications

Product model	TB630LP	TB650LP	TB1250LP
Sensor			
Type	Uncooled VOx Infrared Detector, 8 to 14μm		
Resolution	640×512@12μm		1280×1024@12μm
NETD	20mK		18mK
Frame rate	50Hz		
Lens			
Objective lens	35mm, F1.0		50mm, F1.0
Field of view	12.5°×10.0°	8.8°×7.0°	17.5°×14.0°
FOV m@100m	22×17	15×12	31×25
Magnification	1x		
Detection range	1800m/1950yd		2600m/2800yd
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	Exit pupil distance 20mm; Zoom: 6.8x	Exit pupil distance 20mm; Zoom: 13.3x
Hardware			
Laser rangefinder	1000m/1090yd		1500m/1630yd
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		256GB
Power			
Battery type	2 replaceable 18650 batteries		
Operating time	9 hours		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)	561/19.79	582/20.53	617/21.76
Size (mm/in)	161×89×97/6.34×3.50×3.82		
Standard	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

