

TB Pro Series

Thermal Imaging Attachment

50mm Vision, all in Control

outdoor

Introduction

The TB Pro 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

- 12 μ m advanced thermal detector, NETD down to 18mK
- 50mm focal length with a maximum detection range of 2600m
- Full-HD 1920x1080 AMOLED display
- Magnesium alloy housing, compact design, lightweight but powerful
- 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	TB650P	TB1250P
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	50mm, F1.0	
Field of view	8.8°×7.0°	17.5°×14.0°
FOV m@100m	15×12	31×25
Magnification	1x	
Detection range	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: 6.8x	Exit pupil distance 20mm; Zoom: 13.3x
Hardware		
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)	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

