



GUIDE

IP68: Conquering Wind and Rain

TB Series

Clip-on Thermal Imaging Attachment

Introduction

The TB 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 20mK
- Full-HD 1920x1080 AMOLED display
- Magnesium alloy housing, compact design, light weight but powerful
- Two Standard 18650 batteries provides up to 12 hours of operation
- 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	TB420	TB430	TB630
Sensor			
Type	Uncooled VOx Infrared Detector, 8 to 14 μm		
Resolution	400×300@12μm		640×512@12μm
NETD	25mK		20mK
Frame rate	50Hz		
Lens			
Objective lens	25mm, F1.0	35mm, F1.0	
Field of view	10.9°×8.2°	7.8°×5.9°	12.5°×9.4°
FOV m @100m	19×14	14×10	22×16
Magnification	1x		
Detection range	1300m/ 1400yd	1800m/ 1950yd	
Display			
Display type	0.39" AMOLED 1920x1080		
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia		
Eyepiece	Exit pupil distance 20mm; Zoom: 8.9x	Exit pupil distance 20mm; Zoom: 6.4x	Exit pupil distance 20mm; Zoom: 9.5x
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	32GB		64GB
Power			
Battery type	2 replaceable 18650 batteries		
Operating time	12 hours		10 hours
Environmental			
Operating temp.	-20 °C to 50 °C/ -4°F to +122°F		
Shock	1000 G at 1 ms half sine pulse (as per IEC60068-2-27)		
Encapsulation	IP68		
Physical			
Weight(g/ oz)	420/ 14.82	425/ 14.99	440/ 15.52
Size(mm/ in)	128×79×79/ 5.04×3.11×3.11		
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	Weight 70 g, Compatible with 38/ 40/ 42/ 44/ 46 mm
B	Weight 80 g, Compatible with 48/ 50/ 52/ 54 mm
C	Weight 90 g, Compatible with 56/ 58/ 60/ 62/ 64 mm