



# TB Series

Clip-on | Thermal Imaging Attachment

IP68: Conquering Wind and Rain



## 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

- o 12 $\mu$ m advanced thermal detector, NETD down to 20mK.
- o Full-HD 1920 $\times$ 1080 AMOLED display.
- o Magnesium alloy housing, compact design, lightweight but powerful.
- o Two standard 18650 batteries provide up to 12 hours of operation.
- o Double side focus knob for easy operation.
- o Video recording including synced audio.
- o IP68, Shock resistance up to 1000G.

## Applications

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



## Specifications



Product model	TB420	TB430	TB630
Sensor			
Type	Uncooled VOx Infrared Detector, 8 to 14μm		
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	11°×8.2°	7.8°×5.9°	12.5°×10°
FOV m@100m	19×14	14×10	22×17
Magnification	1x		
Detection range	1300m/1400yd	1800m/1950yd	
Focus	Manual		
Display			
Display type	0.39" AMOLED 1920×1080		
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia		
Eyepiece	Eye relief: 20mm		
Hardware			
WIFI	2.4G, 5G		
Interface	USB-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	1000G (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	Device, 18650 Battery ×2, Battery Charger, 5V 2A Adapter (US, UK, Australia, and Europe), USB-A to USB-C Cable, Quick Start Guide, Warranty Card		
Optional	Bluetooth Remote Control, Adapter Ring, 18650 Battery		

<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.