# TB 2.0 Series



Clip-on | Thermal Imaging Attachment

## Silky Imaging, Far-Range Command



#### Introduction

The TB 2.0 Series is a front-mounted thermal attachment designed for seamless integration with standard optics, offering a quick upgrade to thermal capability. Balancing lightweight design with professional-grade performance, it delivers sharp, stable imaging in a compact form. App connectivity enables OTA firmware upgrades and ballistic calculations, adapting to diverse use cases. The TB650P model further enhances functionality with built-in laser rangefinding for accurate long-range targeting.

#### **Features**

- o True zero-shutter calibration for seamless, uninterrupted visuals.
- o Powered by Hyper-light algorithm and high-sensitivity detectors.
- o Replaceable, rechargeable battery with low-power design for extended runtime.
- o 1.2cm@100m per-click adjustment, compatible with 15x daylight optics.
- o Integrated laser rangefinder in the lens elevates ranging accuracy. (Exclusive to TB650P 2.0)

#### **Applications**

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



### **Specifications**





Product model	TB650 2.0	TB650P 2.0
Sensor		
Туре	Uncooled VOx Infrared Detector, 8 to 14μm	
Resolution	640×512@12μm	
NETD	18mK	
Frame rate	50Hz	
Lens		
Objective lens	50mm, F1.0	50mm, F0.9
Field of view	8.8°×6.6°	
FOV m@100m	15×11	
Magnification	1x	
Detection range	2600m/2800yd	
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		
Laser rangefinder	/	1500m/1630yd
WIFI	2.4G, 5G	
Interface	USB-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	5 hours	
Environmental		
Operating temp.	-20°C to 50°C / -4°F to +122°F	
Shock	6000J	
Encapsulation	IP68	
Physical		
Weight (g/oz)	470/16.58	485/17.11
Size (mm/in)	138.5x92x79.5/5.45×3.62×3.13	145x92x79.5/5.71×3.62×3.13
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	

Cover ring adapter		
Α	Weighs 70g, compatible with 38/40/42/44/46mm	
В	Weighs 80g, compatible with 48/50/52/54mm	
С	Weighs 90g, compatible with 56/58/60/62/64mm	