

# TA Series

Clip-on  
Thermal Imaging Attachment

Endow your daylight scope with Thermal Vision



TA435



TA450

## Introduce

TA435/450 Series is a versatile clip-on thermal imaging attachment which helps transform the daylight optics into a thermal imager. It can be taken as a thermal imaging attachment adding thermal imaging capability to your scope, or as a portable thermal imaging monocular as well. This compact, lightweight and durable device can be quickly mounted and dismantled without re-zeroing, providing excellent image in various environments.

## Features and Benefits

- Scene modes upgrade to highlight the target effectively
- Compact and lightweight
- OLED color eyepiece display, capable of displaying images in various color modes
- Encapsulation IP67
- Super sound-off and bright light Cut-off System, prevent exposure
- Optional Bluetooth remote controller for easy operation
- Quick mount and no-shot zero (Recommended magnification of the day scope/sight TA435: 2-4X TA450: 3-5X)





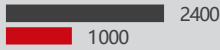
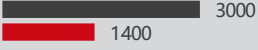
## Application

- Outdoor observing
- Night Hunting
- Law Enforcement
- Law Enforcement



## Specifications

Model	TA435	TA450
<b>Detector</b>		
Detector Type	400×300 @17μm, VOx	
Spectral	8μm ~ 14μm	
NETD	≤50mk	
<b>Focus lens</b>		
Focal Length	35mm F1.2	50mm F1.2
Focusing	Manual focus	
FOV	10.66°×8.0°	7.5°×5.6°
<b>Display system</b>		
OLED	Colorful 0.39 inch OLED screen 1024×768	
Eyepiece	Monocular, Pupil Distance 10mm, Pupil Caliber 20mm	
Digital Zoom	1	
<b>Image Processing</b>		
Frame Rate	50Hz (PAL)	
Digital Zoom	2×,4×	
Auto Tracking	Hotspot track	
Calibration	Automatic calibration/ Manual calibration (shutter) /Manual scene compensation	
Scenes Modes	Enhanced, Highlight, Natural	
Color Palettes	Black hot, white hot, red hot, green hot	
Contrast/Brightness	Adjustable	
<b>Power Systems</b>		
Battery	CR123A×2/ICR16340×2	
Power Supply	can be powered by 5V2A external power supply	
Working Time	Continuous Operating over 3 hours@25°C	
<b>Interface</b>		
7-Pin LEMO Interface	Support video output and external power supply	
<b>Environment parameter</b>		
Operating Temperature	-30°C-50°C	
Storage Temperature	-45°C-70°C	
Humidity	Working and storage 10% ~ 95%, Non condensing	
Impact	500G/1ms	
IP level	IP67	
Certificate	RoHS Certificate/CE Certificate/FCC Certificate	
<b>Physical Characteristics</b>		
Weight	≤400g	≤450g
Size	150mm×52mm×57mm	178mm×58mm×62mm
<b>Package</b>		
Standard	Blinder, Carrying bag, Charger, User manual, 7-Pin Lemo to USB cable, Warranty	
Optional	External eyepiece, Adapter ring, CR123A×2(unrechargeable)battery, ICR16340×2(rechargeable)battery, Bluetooth remote controller, Picatinny rail, Charger, Video cable (two in one, power supply & video output)	

Detection Range	Recognition Range	
1.8m×0.5m 	<b>TA435</b>	<b>TA450</b>
		
2.3m×2.3m 		
	<b>Cover ring adapter</b>	
A	Weight 70g, Compatible with 38/40/42/44/46mm	
B	Weight 80g, Compatible with 48/50/52/54mm	
C	Weight 90g, Compatible with 56/58/60/62/64mm	