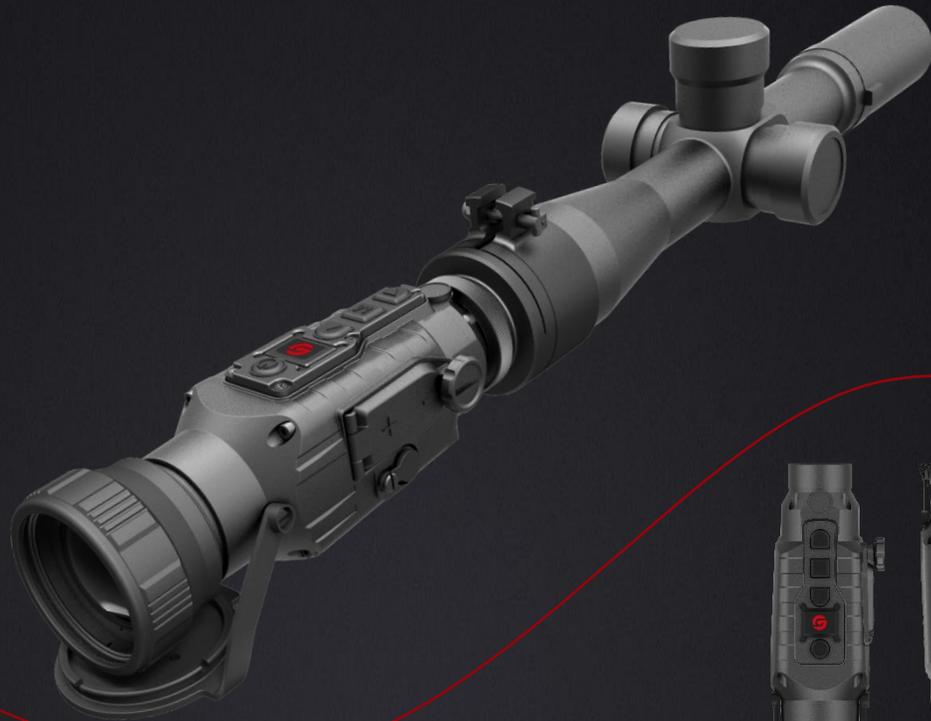


TA Series

Clip-on Thermal Imaging Attachment

Endow your daylight scope with Thermal Vision



Introduce

GUIDE 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 dismounted 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

Application

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



Specifications

Model	TA425	TA435	TA450
Infrared detector			
Detector type	VOx		
Detector resolution and pitch	384 × 288, 17 μm		
Spectral range	8 to 14 μm		
NETD	≤50mk @ F1 25°C		
Lens			
Focal length	25 mm; F1.1	35 mm; F1.2	50 mm; F1.2
Focus	Manual		
Field of angle	14.6° × 11.0°	10.66° × 8.0°	7.5° × 5.6°
Frame rate			
Output frame frequency	50 Hz		
Zoom			
Optical zoom	1x		
Digital zoom	1x, 2x and 4x		
Power			
Battery type	Two CR123A Batteries		
Battery life	≥ 3 hours		
Interface			
Video interface	LEMO		
External expansion	External Display, Bluetooth remote control and Picatinny		
Mechanical interface	Picatinny		
Display			
Display type	0.39" OLED		
Resolution	1024 × 768		
Eyepiece	Exit pupil distance ≥ 10 mm Exit pupil diameter ≥ 20 mm		
Video output	Analog video		
Button			
Button functions	Power / Up / Menu / Down		
Functions			
Screen brightness adjustment	10 levels		
Detector brightness adjustment	10 levels		
Detector contrast adjustment	10 levels		
Scene modes	Enhanced, Highlight and Natural		
Color palettes	White Hot, Black Hot, Red Hot, Green Hot		
Hot spot tracking	Available		
Compensation modes	Automatic, manual and scene compensation		
Automatic shutdown	Closed, 15, 30 or 60 mins		
Auto sleep	Closed, 5, 10, or 15 mins		
Language settings	Chinese or English		
System			
Start up	10 s		
Environmental			
Operating temperature range	-30 °C to 50 °C		
Storage temperature range	-45°C to 70°C		
Humidity	10 % to 95 % non-condensing		
Shock	500 G at 1 ms half sine pulse (as per IEC60068-2-27)		
Vibration	10 Hz - 150 Hz - 10 Hz 0.15 mm (as per IEC60068-2-6)		
Encapsulation	IP67		
Certification	IP67, FCC, CE, RoHS		
Physical			
Weight	≤400 g		≤450 g
Size (L × W × H)	150 × 52 × 57 mm		178 × 58 × 62 mm
Standard	Eye mask, carry bag, charger, quick start guide, 7-core USB cable, warranty card		
Optional	External eyepiece, adapter ring, CR123A × 2 (dry cell), ICR16340 × 2 (rechargeable) Bluetooth remote control (with Velcro); a Picatinny rail, a charger, a video cable (power supply and video output)		
Cover ring adapter			
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		

Specifications



Recommended magnification of the day scope/sight TA425: 1-2X TA435: 2-4X TA450: 3-5X

