

 Built-in Motion Sensor and Digital Compass

Built-in motion sensor and digital compass improve accuracy by precisely identifying cant and angles. The Clip C Series can indicate the direction and degree of lateral tilting.



Compass



Msensor

Model



CH50 V2

Microbolometer

Detector Resolution	640×512
Pixel Size, μm	12
NETD, mk	≤40
Frame Rate, Hz	50

Optical Characteristics

Objective Lens, mm	50
Filed of View	8.8°×7.0°
Recommended magnification of the day sight	×1 ~ ×9
E-zoom	×1 / ×2 / ×4
Detection Range, m (Target size: 1.7 m×0.5 m, P(n) = 99%)	2597

Display

Type	OLED
Resolution	1024×768

Operational Characteristics

Battery	CR123 × 2 / 16650 × 2
Max. Battery Life (t=24°C), h	4 / 7
Degree of Protection, IP Code	IP66
Weight (without battery), g	≤570
Dimension, mm	175×74×68
Interface	Type-C
Adapter Ring Mount	M52×0.75



Clip C Series CH50 v2

The Clip CH50 V2 is designed as an attachment for most traditional rifle scopes. NO REZEROING is needed, just CLAMP&SHOOT. Zooming the image 2 times and 4 times is supported on CH50 V2 without affecting the aiming accuracy. Now expanding your detection ability together with your day-scope.



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High Image Quality

The 12um high performance IRay Vox detector with NETD 40mk ensures prefer detail recognition even in the hardest weather conditions. The smallest temperature differences can be precisely sensed during the rainfall, fog or cold morning or other most difficult conditions for thermal imaging device.

No Rezeroing Required

With the special calibration to the camera, no rezeroing is required after attaching to the day scope.

Clamp and Shoot, that's it.



E-zoom with Shooting Accuracy Unaffected

Digital zoom is enabled for Clip CH50 V2. Clip CH50 V2 support adjusting the zooming center to align with the reticle center of your optical sight, so when zooming 2 times or 4 times, it will not affect the shooting accuracy. Compared with the optical magnification of the same multiple of the optical sight, the image after electronic magnification is more delicate and the details are kept more perfect.

Familiar Precision

Front-mounted allows consistent shooting position and eye relief with an existing day riflescope. Original design and precision technology ensure POI stability when attachment is in use. Users do not need to make any correction to position of day riflescope's reticle when mounting Clip Series.



Compatible with Various Day Optics

The Clip CH50 V2 is designed to turn most traditional rifle scopes with objective lens diameters of 40mm-55mm into thermal imaging devices without affecting the point-of-impact. Benefit from the 48mm oversized eyepiece, the Clip CH50 V2 works best with 1-9x magnification optical sights.



Point-of-Impact Stability

The Clip's precision build quality, cutting-edge design and advanced software deliver reliable, repeatable point-of-impact stability without requiring any windage or elevation adjustments from the day optics.

Quick Attached

With the quick release IAR-adapter mount, the Clip CH50 V2 can be easily attached to or detached from riflescope in seconds without losing zeroing. The mount allows to perform precise alignment of the attachment's field of view with central point of the riflescope's field of view in order to achieve the optimal viewing position.

Ultraclear Mode

The proprietary Ultraclear technology of InfiRay is comprised of software algorithms designed for bad weather such as heavy fog and rain to increase imaging clarity and overall image detail. Ultraclear mode results in a sharper, more detailed field of view and enhanced object identification capabilities.



Wireless Remote Control

Wireless remote control can be fixed near trigger which allows basic operations to be fulfilled easily.



AMOLED Micro Display

High contrast AMOLED micro display with HD resolution offers sharp image and vivid colors. Display ensures excellent image quality and flawless performance even in freezing temperatures.