

# Thermal Weapon Sight with Clip On



Thermal weapon sight with clip on, equipped with 640x512 infrared detector and 1024 × 768 OLED display ,can clearly see the target in harsh environments such as total darkness, smoke, dust, rain, snow, woods, and camouflage. It supports three modes of use: handheld, CLIP ON, and weapon-mounted use, and can be used in night patrols, outdoor hunting and other usage scenarios.

## Thermal imaging functions:

- Adopt advanced passive infrared thermal imaging technology
- Resolution 640 × 512, high sensitivity detector
- Support 3D noise reduction function
- Support image detail enhancement function
- The focal length of the thermal imaging lens 50mm

## Display features:

- Adopt 0.39-inch OLED display
- Resolution: 1024×768 for handheld and weapon-mounted use, 768×576 for CLIPON
- Eye relief: 10 mm for CLIP ON, 45 mm for handheld and weapon-mounted use

## Power system

- Two CR123A/RCR123A type replaceable batteries for power supply
- can be used with USB external power supply

- run continuously for more than 4 hours

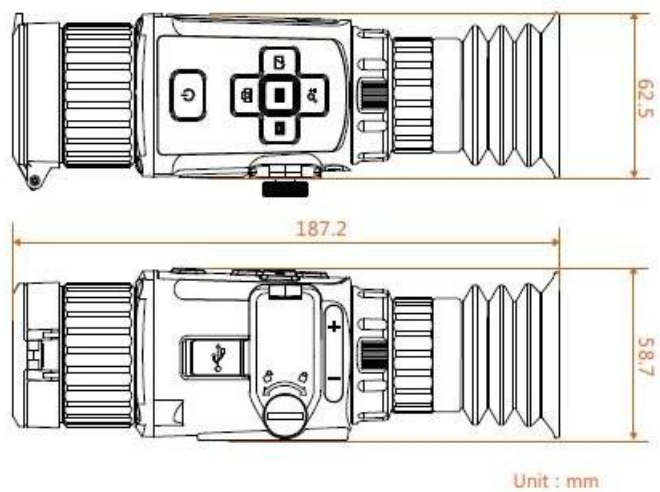
#### System function

- Support Wi-Fi hotspot
- Support digital amplification
- Support pseudo color mode switching
- Support ranging
- Support reticle

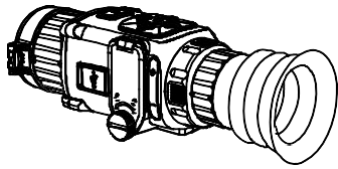
Module Parameter	HM12E19-C0	HM12E25-C0	HM13E35-C0	HM16E50-C0
Sensor Type	Vanadium Oxide Uncooled Detector			
Maximum Image Size	256×192	256×192	384 × 288	640 × 512
Frame Rate	25Hz	25Hz	50 Hz	50 Hz
Pixel Interval	12 μm			
Response Band	8 μm to 14 μm			
NETD (Noise Equivalent Temperature Difference)	less than 35 mK (25 ° C, F#=1.0)			
Thermal Imaging Lens Focal Length	19mm	25mm	35 mm	50 mm
Detection Range	950m	1200m	1800m	2600m
Spatial Resolution	0.63 mrad	0.48mrad	0.343 mrad	0.24 mrad
Field of View	9.24° × 7.08°	7.03° × 5.39°	7.5° × 5.7°	8.78 ° × 7.03 °
Minimum Imaging Distance	1m	1.5m	3.5m	5m
Aperture Value	F1.0			
Magnification	2.5x	3.25x	3.0x	2.6x
Eyepiece	1024x768, 0.39 inch, OLED			
Image Mode	Black hot, white hot, red hot, fusion			
Exit Pupil	6 mm			
Exit Relief	45mm			
Diopter Range	-5 D to 3 D			
Video-recording	Built-in storage			
Capture Snapshot	Support			
Standby	Support			
Uniformity Correction	Support			
Storage	Built-in EMMC (64 GB)			
Picture In Picture	Support			
Bad Point Correction	Support			
Hotspot	Support			

Electronic Amplification	1X, 2X, 4X, 8X			
Hot spot tracking	Support			
Reticule	Support			
Ranging	Unsupported			
Battery	Replaceable, support CR123A, RCR123A			
Battery life	7 hous (25 ° C, Hotspot off)	7 hous (25 ° C, Hotspot off)	7 hous (25 ° C, Hotspot off)	6.5 hous (25 ° C, Hotspot off)
Battery Capacity Display	Yes			
Battery Anti-reverse Protection	Yes			
Overvoltage Protection	Yes			
Charging via Type-C	5 VDC, 2 A support exteranl battery			
Operating Temperature	-20 ° C to 55 ° C (-4 ° F to 131° F)			
Ingress Protection	IP67			
Shock Resistance	750 g/1 ms			
Size			179x68x63mm	192x76x69mm
Weight			532 g (without eyepiece and battery)	583 g (without eyepiece and battery)
Interface	Type-C			

Size :



## List :



主机 x1



携行包 x1

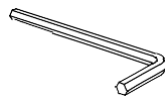


电池 x2

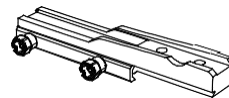
说明书 x1



螺丝 x2



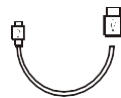
六角扳手 x1



皮轨 x1



拧紧辅助片 x1



擦镜布 x1      TYPE—C  
连  
接线 x1

主机: thermal weapon sight

携行包: carrying bag

电池: battery

说明书: instruction for use

螺丝: screw

六角扳手: hex wrench

皮轨: leather rail

拧紧辅助片: auxiliary piece for tightening

擦镜布: lens cleaning cloth

连接线: connection cable