

MTF23L Fusion Thermal Binocular with Laser Range finder & Positioning System



Description

MTF23L is composed of low light CMOS sensor, IR sensor, Laser Rangfinder, Compass, Wifi and GPS .OLED display and eyepiece with large FOV. It also is a laser range finder, who can locate the target in long distance.

It can be used in all the weather (including fog, smog, rain, snow) to detect and locate the target. Its fusion detection can outstand the targets, of which could be identified easily in the fusion mode even the target is remote. Also, It got outstanding record (video and picture-taking) function. Therefore, it is widely used for patrol, law enforcement, rescue, search of drug dealers and criminals, etc.


Features:

1. Fusion image mode;
2. Light weight, Compact and easy control;
3. Buliting in Laser Range Finder.
4. Buliting in Low light CMOS Camera.
5. Buliting in GPS
6. Video and picture
7. Zoom:1X,2X,3X,4X

8. E-compass, pitch scale
9. Built-in WIFI for transferring the video.
10. OLED display.
11. Positioning system to locate user and target.
12. Work for long distance in the night.
13. Resolution of the visible light
image:1280×768
14. FOV of the visible light: 12.5°×7°
15. Continuous working time ≥6h;
16. Weight: 1.6kg;
17. Dimension: 180mm×178mm×93mm ;
18. IP67 protection

Specification:

Visible light sensor	Low light CMOS sensor
Resolution	1280x768
Pitch	6 μ m \times 6 μ m
Wave length	350~1000nm
Focus length	35mm
FOV	12.5 $^{\circ}$ \times 7
IR sensor	uncooled
IR Resolution	400x300
Pitch	17 μ m
Spectrum	7.5-14 μ m
LRF	2KM
NETD	<40mk @f/1.0
Focus length	52mm f/1.0 motorized lens
FOV	7.4 $^{\circ}$ \times 5.6 $^{\circ}$
Display	0.5 Inch, OLED, 800x600
Image color	14 kinds
Image mode	11 kinds
Diopter adjust ment	0-3 $^{\circ}$
Magnificaiton	5X
Zoom	1X,2X,3X,4X
Max magnification	20X
Storage	Built-in 64G
Capture	Yes
WIFI	Yes
Video	Yes
Battery	4 pcs of 18650 battery
Working hours	\geq 8 hours
Storage temperature	-40 $^{\circ}$ C to+60 $^{\circ}$ C

	IP67
Weight	<1.6kgs (without battery)
Dimension	190mmx180mmx110mm
Focus	Auto/motorized
GPS	yes
GPS accuracy	≅2m
E-compass	Yes