

Hawk-F

Counter-Sniper Binocular

Introduce

Hawk-F is an Counter-sniper detection equipment developed based on the principle of "cat's eye effect", which integrates detection, interference and visual reconnaissance. It can launch invisible laser to scan the target area, and will receive laser echo signal when there is an enemy gun sight (or other photoelectric equipment) in target area. So it also called "Lens finder" .

The laser jamming system is also integrated in the device. It will manually or automatically launch a strong laser to jam after detection of suspected sniper target. The laser will making the enemy temporarily incapable of attacking.

Hawk-F integrate high-performance low-light camera, which can directly observe the surrounding environment under night conditions, To make it to be a day and night handheld observation device.



Specification

❄ Laser Scanner

Daytime: $\geq 1200\text{m}$ ($20\text{mm} \leq \text{Objective Lens} \leq 50\text{mm}$);
 $\geq 2500\text{m}$ ($\text{Objective Lens} \geq 50\text{mm}$);
Night: $\geq 1800\text{m}$ ($20\text{mm} \leq \text{Objective Lens} \leq 50\text{mm}$);
 $\geq 4000\text{m}$ ($\text{Objective Lens} \geq 50\text{mm}$);
Discovery Probability (Automatic) : $\geq 90\%$;
Detection FOV: $\geq 3^\circ$;
Laser Wavelength: $\geq 800\text{nm}$;
FOV: $6^\circ \times 4.5^\circ$
Orientation Accuracy: $\leq 0.5^\circ$

❄ Laser Jammer

Laser Power Density: $0.5\text{mW}/\text{cm}^2 \sim 1.25\text{mW}/\text{cm}^2$;
Spot Size: $\geq 50\text{cm}$ (50m (Not included) $\sim 1000\text{m}$ distance range)
Safety Distance: $\leq 50\text{m}$ (Does not emit interference laser for targets within 50m)
Capable to automatically adjust laser spot power density
Suppression laser has power-on insurance and work warning functions

❄ Laser Range Finder

Range: $50 \sim 1500\text{m}$ (For human $1.8 \times 0.5\text{m}$)
Accuracy: $\pm 2\text{m}$
Correct Rate: $\geq 98\%$
Repeat Frequency: 1Hz

❄ Optical

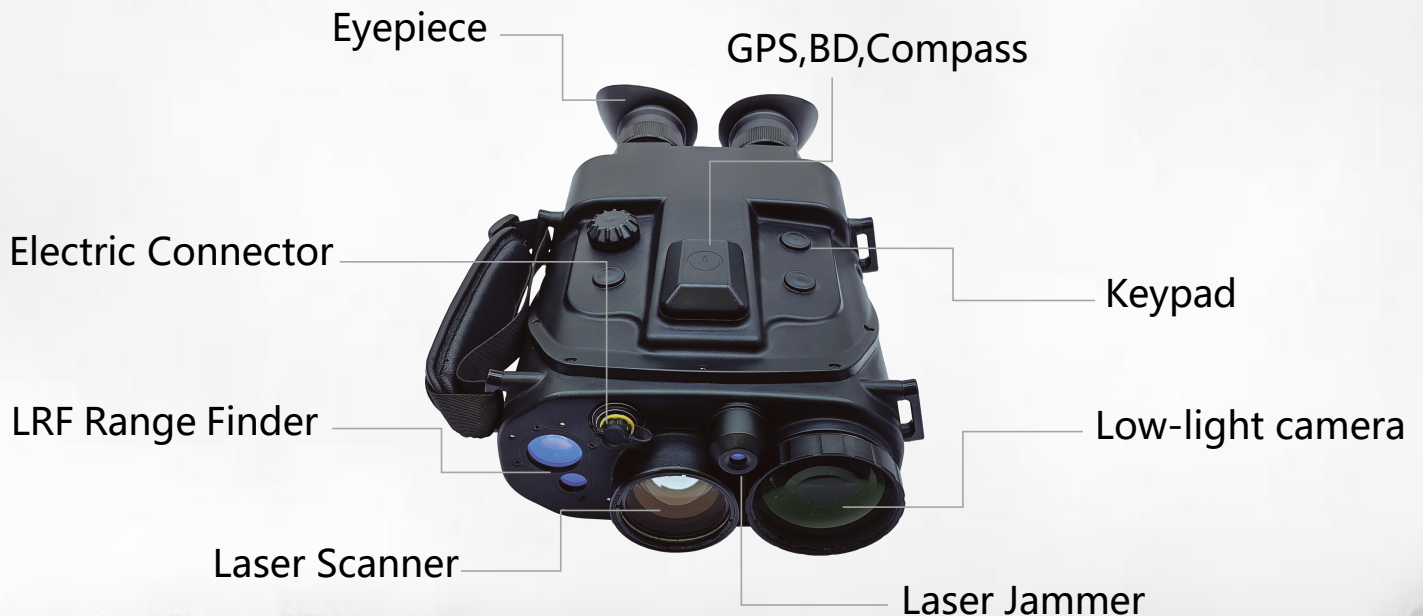
Field of View: $\geq 7^\circ \times 5^\circ$
Diopter: $-5\text{SD} \sim +2\text{SD}$
Daytime Observation Distance: $\geq 1000\text{m}$ (Human)
Night Observation Distance: $\geq 350\text{m}$ (Human)

❄ Feature

Battery Life time: > 4 hours
Boot Time: $< 5\text{s}$
Weight: $\leq 3\text{kg}$
Photo/Video: Support

❄ Environment

Operating temperature: $-40^\circ\text{C} \sim +55^\circ\text{C}$
Storage temperature: $-55^\circ\text{C} \sim +70^\circ\text{C}$
Protection grade: IP67



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