



40mm rocket launcher infrared sights

1. brief introduction

The infrared sight of the 40mm rocket launcher is equipped on the PF6940mm rocket weapon system, which is mainly used to destroy and attack enemy vehicles, light armor, field fortifications, ground buildings, military equipment and other targets at night. The infrared sight uses electronic division to achieve multiple shots with one lens, and can be used as an observation mirror at night.



2. Combat performance indicators

(1) Weight (including battery) less than or equal to 570g;

(2) Effect distance:

When the atmospheric visibility is not less than 10km, the humidity is not higher than 65%, and the temperature difference between the target and the environmental background is not less than 6°C:

A) The discovery distance of the typical target (2.3m × 2.3m) is greater than or equal to 1000m, and the identification distance is greater than or equal to 600m;

B) For standing people, the detection distance is greater than or equal to 600m and the identification distance is greater than or equal to 400m

(3) Infrared detector:

Non-cooling infrared detector, working band 8~14μm, pixel spacing 17μm;

(4) Field of view: 10° × 8° ;

(5) Pupillary distance: 22mm;

(6) Vision: -4D~+2D;

(7) Division adjustment range: greater than or equal to 15mil;

(8) Partition adjustment accuracy: less than or equal to 0.25mil;

(9) Partition brightness: adjustable;

(10) 1 section 18650 battery;

(11) Battery life > 4h;

(12) The startup stability time is less than or equal to 15sec;

(13) Image stabilization correction method: manual shielding correction after 30min of startup stability;

(14) Zero position accuracy is less than or equal to 0.8mil;

(15) Environmental adaptability:

A) Working temperature: -40°C~+50°C;

B) Storage temperature: -50°C~+65°C;

C) Rain, vibration, impact, salt spray, drop, immersion and humidity meet the requirements of relevant military standards.