



BOE ELECTRO-OPTICS

— **BOE-007** —  
**SMART THERMAL GUN SIGHT**

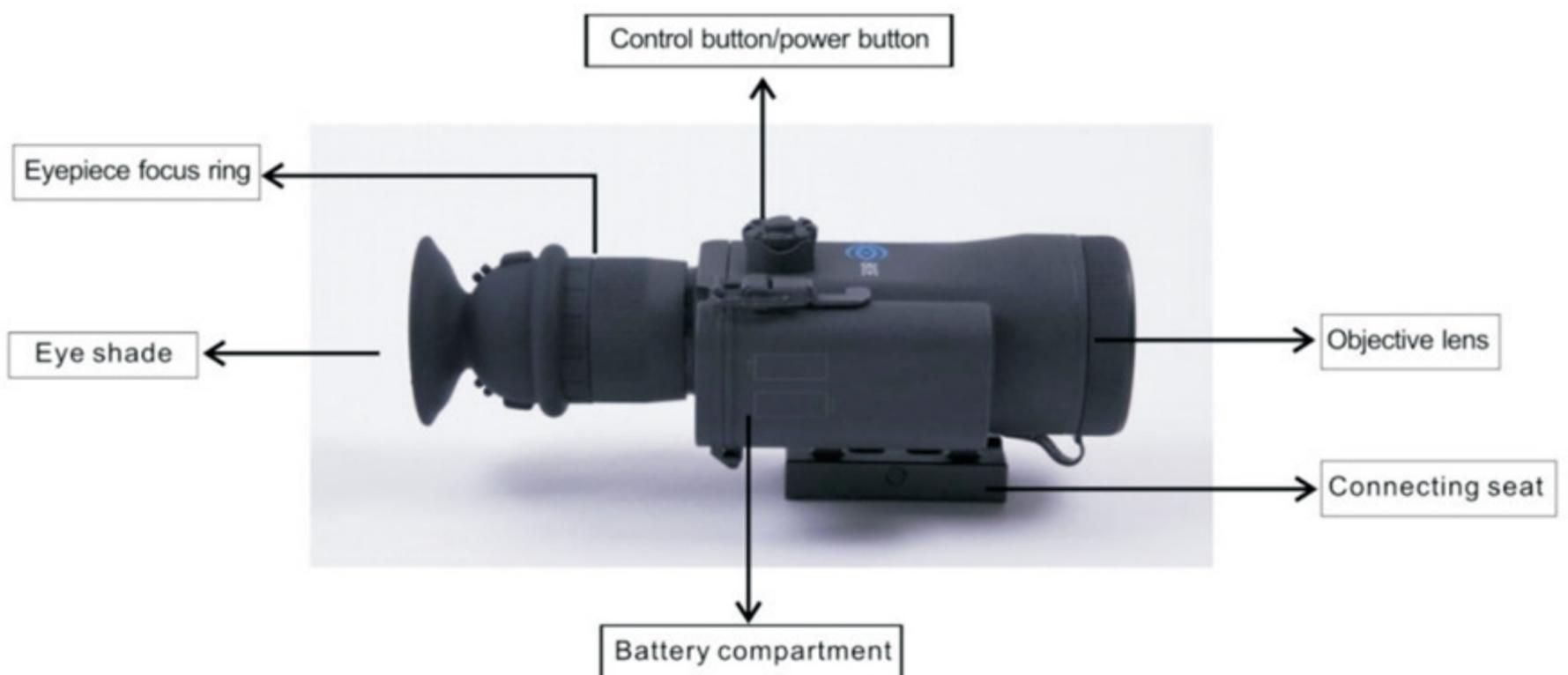


**SMART SIGHT** SHOW MAGIC POWER  
EVERYONE CAN BE A **SHARPSHOOTER**

## Brief Introduction

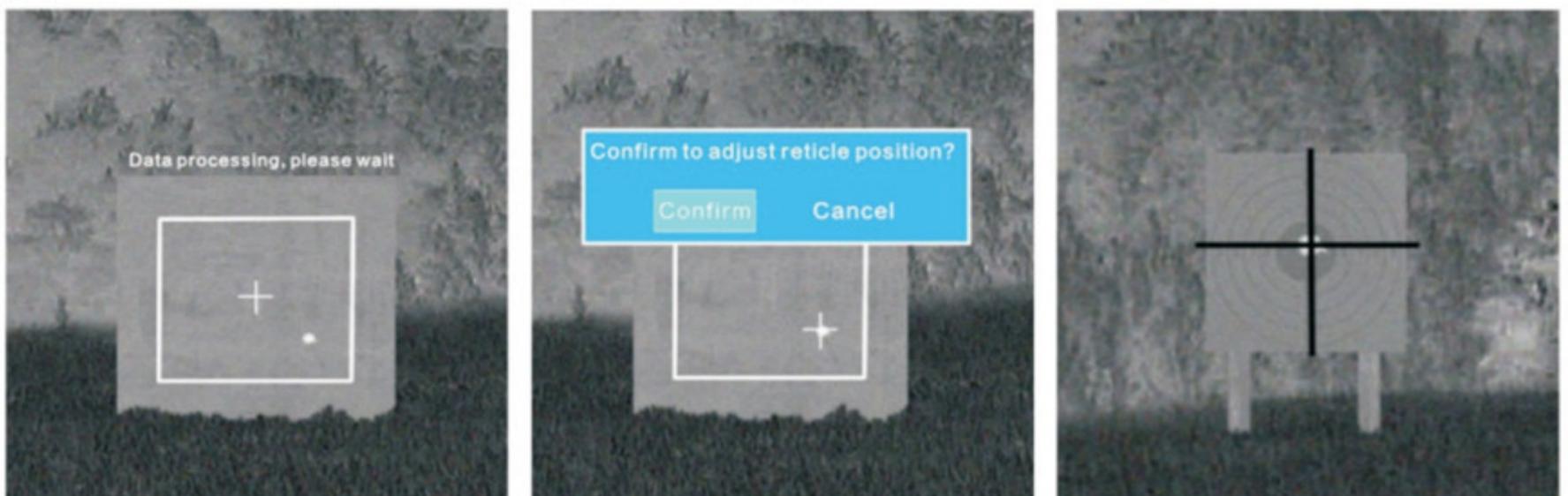
In the BOE-007 series smart thermal gun sight, the artificial intelligent technology is applied to the field of firearms. And the automatic gun calibration, smart ranging and simple manipulation patent technologies are adopted. It subversively solves some problems such as difficulty in infrared gun calibration, low pointing accuracy, and complicated operations, which greatly improves the overall equipment effectiveness of the firearms. At the same time, it can be used as a monocular hand-held infrared observation device. In these series products, the connecting seat can be changed to equip with a wide range of gun families, so as to observe and aim at targets in all kinds of environments day and night.

## Product Composition



## Automatic Gun Calibration

With only one shot, it can accurately aligns the axis deviation between the sight and the gun, and automatically adjusts the aiming reticle. It can be done without an experienced shooter. Not only made one sight for muti guns possible, but also made the process of gun calibration simple and fast.



# Smart ranging

Automatically measure the distance of special target without additional ranging equipment, and the aiming reticle is adjusted according to the target distance and the ballistic parameters.

# Simple manipulation

Be simple and quick. All operations can be realized through a single spin wheel button with the menu reminder.

# Main Specification

Detecting performance	Detector	Uncooled FPA detector	
	Resolution	640 X 512	384 X 288
	FOV	15.5° X 12.4°	9.3° X 7.0°
	Wave length	8μm ~ 14μm	
	Pixel pitch	17μmX17μm	
	NETD	50mk	
	Lens focal length	40mm	
	Detection range	Visibility > 15km, relative humidity ≤ 80%, temperature+25°C temperature difference from background to more than 6°C man-shaped object maximum detection distance 600m	
Energy consumption	Battery continuous working time	≥7h	
Accuracy	Automatic gun calibration accuracy	Axis accuracy deviation≤5 mil	
Working environment	Working temperature	-40°C ~ +50°C	
	Storage temperature	-50°C ~ +60°C	
	Rain exposure	Intensity 1.7 mm/min, drop size 0.5-4.5mm	
Physical features	Size	202mm X 81mm X 87.5mm	
	Weight	710g	



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