

JH-HTL-80 Thermal Imaging Rangefinder Locator



The HTL-80 laser ranging and positioning thermal imager integrates multiple technologies, including AI recognition, infrared thermal imaging, infrared laser illumination, laser warning, optical target detection, coordinate positioning, gimbal control, wired remote control, and satellite positioning. It is a portable, all-weather intelligent day and night observation system.

The device is lightweight and portable, supporting handheld, gimbal-mounted, and wired remote control operation. Its telescope-like design makes it more suitable for silent outdoor observation compared to ordinary laser night vision devices. The laser module boasts a long illumination distance, clear imaging, and high durability, enabling rapid day and night capture and positioning of distant targets. The device supports real-time video transmission and location tracking, facilitating grid-based area patrols. The button layout is simple and intuitive, making it easy to operate. With excellent battery life and a robust and durable structure, it is widely used in civilian fields such as wildlife conservation, bird observation, security patrols in factories/hotels/airports, field surveys, and on-site evidence collection.

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Detector resolution	1280x960
FOV	8.8° x7°
TV camera FOV	1.9° ~62°
Detect distance	≥1500m(50mm optical)
Laser ranging	>6000m; accuracy: ± 1m
Laser pointer	830nm IR laser
Screen	OLED 1920x1080
Positioning	Built-in GPS; BDS
E-compass	Built-in e-compass, accuracy: ± 1°
Power supply	8 pcs of 18650 battery; working time > 8hours
Interface	Aircraft plug interface
Protection	IP67
Working temperature	-40℃~55℃
Dimension	255mmx230mmx100mm
Weight	3250g
Laser Dazzling	525nm 1W green color