



Model



HYH35W



HYH50W

Hybrid Product Parameters

Resolution	640×480/12μm	
NETD	≤40mK	
Focal Length of Objective Lens	f35/F0.9	f50/F1.0
FOV	12.5°x9.4°	8.8°x6.6°
Recognition Range(Deer)	830m	1180m
Recognition Range(Vehicle)	1490m	2130m
Digital Zoom	1x/2x/4x/8x	
Recommended Day Scope Magnification	1x-9x	
Image Polarity	White-hot,black-hot,red-hot,iron-red,rainbow,and outline	
Eye Relief	25mm~60mm	
Diopter	-4D~+2D	
Screen	1.03",2560x1920AMOLED	
Battery	3.7V/4400mAh	
Max.Operating Time(at t=22℃)	≥6h	
External Power Supply	5V (USB C)	
Memory Capacity	64GB	
Impact	1200g /0.3ms	
Ingress Protection Rating	IP67	
Operating Temperature	-20℃~+50℃	
Weight	<920g	<940g
Dimensions	267mm×77mm×76mm	280mm×77mm×76mm
APP	Support	
Optional Extended Functions	Bluetooth remote controller Laser rangefinder 1000, with a maximum measuring range of 1,000m (500m for deer) Laser rangefinder 2000, with a maximum measuring range of 2,000m (1,000m for deer)	



Hybrid Series

HYH35W/HYH50W

InfiRay Hybrid offers the versatility to hunt using either a thermal riflescope or clip-on. Hybrid is equipped with optional external LRF and ballistic calculation to make accuracy up to ±1MOA. It adopts a 2K level 2560×1920 full-color OLED display, which provides excellent display performance while its eyepieces are designed with user comfort and safety in mind. Hybrid aims to bring you a hunt like never before.



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More Functional

Support both Riflescope and Clip-on Mode

The two modes can be switched in seconds without changing the eyepiece.



Recoil-Activated Video

Hybrid adds a recoil-activated video function to lock the 30-second clips before and after shooting so that no wonderful moments are missed.

Support video & audio recording. Images and videos can be played back within devices and transmitted through WiFi.



Recoil
Activated Video



WiFi

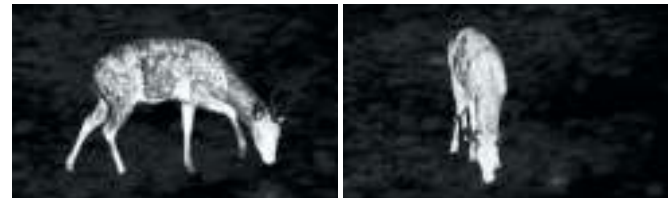


Audio
Recording

Ultra Clear

2K Level Display

Apply a 2K level display to the outdoor hunting field, high resolution 2560×1920 silicon-based OLED display, high contrast and low power consumption. Able to bring users an ultra-clear and comfortable visual experience.



More Comfortable



Extra Large Eyebox

The larger eyebox makes it easy to see clear images in dynamic situations. The 60 mm long eye relief design avoids eye injury caused by the recoil of shooting.

Ultra Precise

More Accurate up to ±1MOA

Hybrid supports external laser range finder to generate accurate aiming points through automatic ballistic calculation of rangefinding results. The accuracy of Hybrid can reach ±1MOA.

Ballistic Calculation

The function ballistic calculation is especially designed for the device to make its more accuracy, which could bring users a remarkable hunting experience.

More Reliable

Waterproof & Dustproof

The whole machine is waterproof (IP67) and dustproof, which can be used in harsh conditions.



Recoil-absorbing Mount

Hybrid passes the rigorous reliability test. The test result shows it does not move from the zero position after more than 20,000 times of 1200g impact. Hybrid is suitable for the long-term use of a gun that is chambered for the 7.62×39mm cartridge.

