

Model



TH 35 V2



TH 50 V2

Detector Specifications		
Type	Uncooled Vox	
Resolution, pixels	640×512	
Pixel size, μm	12	
NETD, mK	≤25	
Frame Rate, Hz	50	
Optical Specifications		
Objective Lens, mm	35	50
Field of View (H×V), °	12.5×10.0	8.8×7.0
Linear Field of View (H×V), m at 100m	21.9×17.5	15.4×12.3
Optical Magnification, ×	2.5~10.0	3.5~14.0
Digital Zoom, ×	1~4	
Eye Relief, mm	50	
Exit pupil Diameter, mm	6	
Diopter, D	-5~+3.5	
Detection Range, m (Target size: 1.7m×0.5m, P(n)=99%)	1800	2600
Display Specifications		
Type	OLED	
Resolution, pixels	2560 × 2560 (1.03")	
Battery Power Supply		
Battery	Built-in battery/6600mAh + replaceable 18500 battery/3.7V	
Max. Operating Time (t=22°C), h*	8.5	
External Power Supply	5V (Type C)	
Wi-Fi/APP		
Wi-Fi/APP	Support (Infiray outdoor)	
Photo/Video Recorder	Support	
MIC	Support	
Bluetooth	Support	
Operational Characteristics		
Memory Capacity, GB	32GB	
IP rating	IP67	
Operating Temperature, °C	-20 ~ +50	
Max. recoil power on rifled weapon (Eo), Joules	6000	
Compatible mounts	Standard 30 mm rings	
Weight (without the 18500 battery), g	<915	<950
Dimension, mm	360× 85 × 75	365× 85 × 75



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Tube Series

TH35 V2/TH50 V2

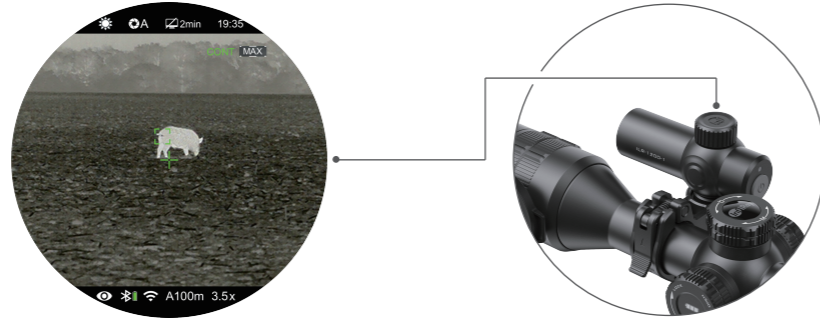
The TH50V2 expands on the success of the TH50 with the addition of the optional LRF and built-in mic function, maintaining the excellent features such as 12um 640x512 sensor, 50mm optics and 2560x2560 1.03" Micro-OLED display.

The new TH50V2 is designed to present unprecedented comfort, super clarity and absolute precision.



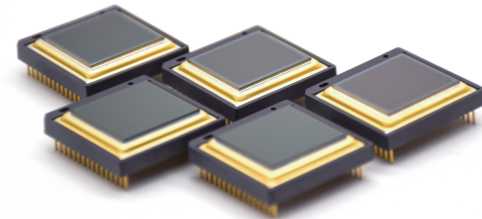
Ultra-Precise Boosted by Optional LRF(upgraded)

TH35V2/TH50V2 is able to provide the distance measurement on the screen when the LRF is connected to the device through Bluetooth, earning you more chances to win in every shooting.



1.03" Micro-OLED Display with 2560x2560 Resolution

TH35V2/TH50V2 adopts particular 2560x2560 1.03" Micro-OLED display to provide finest observing experience with excellent optical parameter, no need to stare into the screen like you used to, therefore the visual fatigue caused by the long-time observing can be prevented.



Built-in Microphone (Upgraded)

TH35V2/TH50V2 is equipped with a MIC function, therefore customers can record the voice too when recording.

12 μm 640x512 Sensor with NETD ≤ 25mK

Being the top-end thermal scope of Tube Series, TH35V2/TH50V2 is equipped with the industry leading InfiRay 12 um 640x512 sensor with advanced image processing algorithm.

More Accurate Zeroing

TH50V2 (TH35V2) is able to reach 1.2cm (1.71cm) per unit at 100m when zeroing. Each scale unit is smaller. Therefore, the zeroing can be more accurate.



2600m Detection Range

Combining the extraordinary sensor and the powerful 50mm optics, TH50V2 (TH35V2) can achieve the detection range up to 2361m (1800m).



Ultra-clear Mode

With Untra-clear mode, TH35V2/TH50V2 can still provide a clear and delicate imaging even in bad weat her conditions such as heavy fog and rain.



Ultra_clear on



Ultra_clear off

Traditional Day Scope Appearance

The traditional style housing allows for mounting with standard 30mm rings like a typical day scope.



Smooth Magnification

TH35V2/TH50V2 is able to magnify the imaging smoothly without flicker and stutter bringing users comfort when observing.