



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℃), h*	8.5		
External Power Supply	5V (Type C)		
Wi-Fi/APP	Support (InfiRay outdoor)		
Photo/Video Recorder	Support		
MIC	Support		
Bluetooth	Support		
Operational Characteristics			
Memory Capacity , GB	32GB		
IP rating	IP67		
Operating Tempeture, ℃	-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

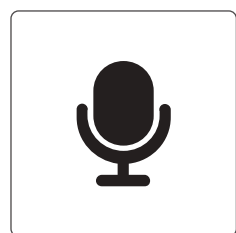
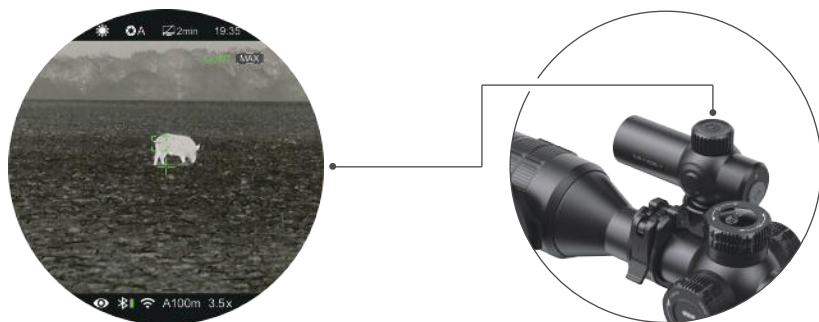
The TH50V2 expands on the success of the TH50 with the addition of the optional LRF and built-in mic function, maintaining the excellent features such as 12um 640x512 sensor, 50mm optics and 2560x2560 1.03"Micro-OLED display.

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.



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 μm 640x512 sensor with advanced image processing algorithm.



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.



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 condi-tions 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.