



# A301/A302/A303

## Outdoor Infrared Thermal Imager

Day and Night Dual-Use Infrared Thermal Imager with Ultra-long Range and High Accuracy.



Ranging Range  
1200m



Ranging Accuracy  
<400m,  $\pm 1\text{m}$ ,  
>400m  $\pm 0.4\%$



Maximum  
Resolution  
640×512



Maximum  
Electronic Zoom  
8×



WiFi  
Support

## Product Advantages

...

- ※ Three resolutions available: 256×192, 384×288, 640×512, ensuring clear observation;
- ※ 1x, 2x, 4x, 8x electronic zoom for easily adjusting the image size of the observed object;
- ※ 50Hz high frame rate instantly delivers natural and clear images;
- ※ 1200m ranging distance with >400m  $\pm 0.4\%$  measurement accuracy, making long-distance ranging a reality for users;
- ※ Equipped with WiFi functionality, enabling easy remote control.

# Product Highlights

...



## Wide ranging range and high ranging accuracy

Ranging range 1200m, ranging accuracy <400m,  $\pm 1\text{m}$ , >400m  $\pm 0.4\%$ , applicable to safety distance detection, large - scale detection, and detection of objects that cannot be approached.



## Remote control

Equipped with wifi function, connecting to the APP can realize remote control of the imager, applicable to detections such as power inspection where it is impossible to approach the thermal imager.



## High infrared resolution

Up to 640x512, applicable to minor error or small target detection.



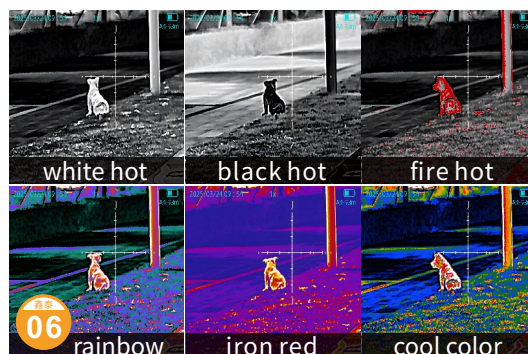
## High electronic zoom

Electronic zoom can reach up to 8x, applicable to distant and tiny target detection.



## Durable battery, long battery life

3200mAh rechargeable lithium battery, can be used for more than or equal to 5h when fully charged.



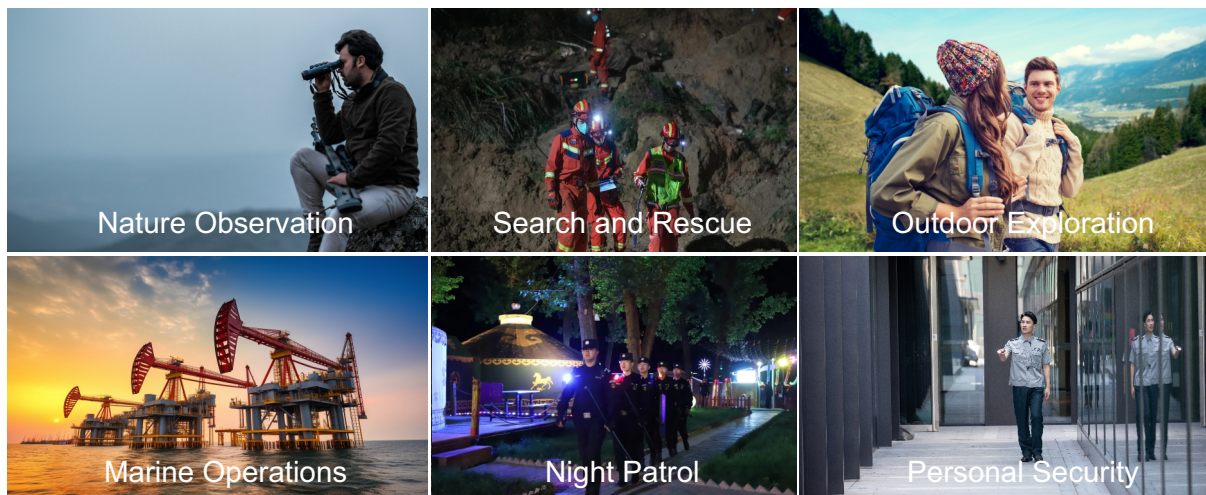
## Multiple pseudocolor mode selection

White hot, black hot, fire hot, rainbow, iron red, cool color.



# Product Applications

...



# Product Parameters

...

型号		HT A302	HT A301	HT A303
Infrared Resolution		Vanadium Oxide Vox	Vanadium Oxide Vox	Vanadium Oxide Vox
Noise Equivalent Temperature Difference		≤50mK@25°C,F#1.0	≤30mK@25°C,F#1.0	≤25mK@25°C,F#1.0
Focal Length		25mm	35mm	35mm
Field of View		7.0°x5.4°	7.5°x5. 7°	12.5°x10.0°
Operating Wavelength Band		8~14 μm		
Frame Frequency		50Hz		
Ranging Range		10m~1200m		
Ranging Accuracy		<400m±1m,>400m±0.4%		
Focusing Method		Manual Focusing		
Display Screen		0.39 - inch OLED		
Display Screen Resolution		1024x768		
Electronic Zoom		1x/2x/4x	1x/2x/4x/8x	
Diopter		-6D~+4D		
Hotspot Tracking		Support		
Pseudocolor Mode		White hot, black hot, fire hot, rainbow, iron red, cool color		
Language		English		
USB Interface		TYPE-C		
Battery		3200mAh (Model 18650) Rechargeable Lithium Battery		
Protection Level		IP66		
Dimensions		188X81X52mm		
Weight		490g	510g	530g
Detection Distance	Person	1180m	1653m	1653m
	Vehicle	3125m	4375m	4375m
Recognition Distance	Person	295m	413m	413m
	Vehicle	781m	1094m	1094m