



Model	AP13	AL19	AL25
Detector Specifications			
Type	Uncooled Vox		
Pixel Size, μm	12		
NETD, mK	≤ 40		
Frame Rate, Hz	25	50	
Optical Specifications			
Objective Lens, mm	13	19	25
FOV	$13.5^\circ \times 10.1^\circ$	$13.8^\circ \times 10.4^\circ$	$10.5^\circ \times 7.9^\circ$
Digital Zoom, x	1/2	1/ 2/ 4	
Diopter, D	-3 ~ +1	-7 ~ +2	
Detection Range, m (Target Size: 1.7m \times 0.5m, P(n)=99%)	675	986	1298
Display Specifications			
Type	LCOS	OLED	
Resolution	720 \times 540	640 \times 400	
Battery Power Supply			
Battery Type / Capacity / Output Voltage	Built-in lithium ion battery / 3.6Ah / 3.6V		
Working Hours (22°C), h*	9.5	7.5	
External Power Supply	5V (Type C)		
Physical Specifications			
Ingress Protection Rating	IP67		
Memory Capacity, GB	32		
Wi-Fi / APP	Support (InfiRay outdoor)		
Operating Temperature, °C	-10 ~ +50	-20 ~ +50	
Weight, g	<340	<350	
Dimensions, mm	160 \times 60 \times 60	169 \times 60 \times 60	



Thermal Imaging Monocular **AFFO Series**

The AFFO Series handheld thermal imager is an entry-level thermal imager for hunting users, featuring both a fashionable appearance and a more compact size. The AFFO Series uses a self-developed 12 μm detector with 256 \times 192/384 \times 288 resolution to produce crisp images and supports photo taking and video recording with its built-in high-speed 32GB storage capacity.



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AP13 / AL19 / AL25





AFFO AP13

High-performance Detector

12 μ m

The AFFO Series adopts 12 μ m 256 \times 192/384 \times 288 resolution uncooled Vox thermal imaging sensor, the self-developed high-performance sensor enables crisp HD images.

More image modes to cope with different scenarios

Hot target highlight mode provides better object highlighting capability with more options of white hot, black hot, red-hot and color palette. Wider detection and operating temperature ranges with hotspot tracking function.

Upgraded Protection

- 1. Upgraded lens protection:**
Durable rigid plastic lens cap with higher hardness and impact resistance;
- 2. Upgraded waterproofing:**
External screen is used in rainy days for outdoor scenarios to prevent water flowing into the interface.

HDMI interface to display HD videos on external devices

Designed with HDMI interface (high-definition multimedia interface) uses full digital signal transmission, which not only provides full digital video signal, but also transmits audio at the same time. This device can be directly connected to HD screens, laptops, etc. for high-quality display.



HDMI

Long Battery Life

Low power elements used in AFFO Series provide sufficient operation time. Up to 9.5 hours operational battery life.

9.5h

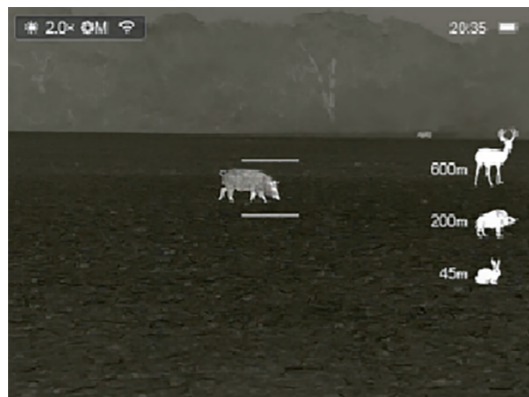


Additional Practical Functions

The AFFO Series features additional practical functions including stadiametric rangefinding and PIP. Its adapter is equipped with multiple travel charging headers to meet the needs of use in different countries and regions.

1. Stadiametric Rangefinding:

Facilitate confirmation of prey distance and provide position reference for hunting



Stadiametric Rangefinding

2. PIP:

The screen of cursor position is magnified twice to highlight the target and assist in observing the target details



PIP

32GB



32GB Built-in Memory

The 32GB memory of AFFO Series makes it possible to record all night, meeting the requirements of whole-hunting process recording.