



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 μ m 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 8GB storage capacity.

AFFO9/AP13/AL19/AL25

Model	AP09		AP13		AL19		AL25	
Microbolometer								
Resolution,pixels	256 \times 192				384 \times 288			
Pixel Size, μ m	12							
NETD,mK	≤ 40							
Frame Rate,Hz	25				50			
Optical Specifications								
Objective Lens,mm	9		13		19		25	
Field of view, $^{\circ}$	19.4 \times 12.2		13.5 \times 8.4		13.8 \times 8.7		10.5 \times 6.6	
Linear field of view(HxV),mat 100m	34.1 \times 21.3		23.6 \times 14.8		24.3 \times 15.2		18.4 \times 11.5	
Magnification,x	1.3		2.0		2.0		2.5	
Digital zoom,x	1/2				1/2/4			
Diopter,D	-7+2							
Eye relief,mm	20							
Exit pupil diameter,mm	5							
Detection Range, m (Target Size: 1.7m \times 0.5m,P(n)=99%)	460		670		980		1300	
Display Specifications								
Type	AMOLED							
Resolution,pixels	640 \times 400							
Power Supply								
Battery Type / Capacity / Output Voltage	Built-in lithium ion battery / 3.6Ah / 3.6V							
Working Hours (22 $^{\circ}$ C),h*	9.5				7.5			
External Power Supply	5V (Type C)							
Physical Specifications								
IP Rating	IP67							
Memory Capacity,GB	8							
Wi-Fi / APP	Support (InfiRay outdoor)							
Operating Temperature, $^{\circ}$ C	-20 ~ +50							
Weight,g	<340				<350			
Dimensions,mm	160 \times 60 \times 60				169 \times 60 \times 60			



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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.

Attractive Brand New Appearance Design

Rounded curve-design body fits human hand shape, making it more comfortable to hold.



Long Battery Life

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



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

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.

8GB Built-in Memory

The 8GB memory of AFFO Series makes it possible to record all night, meeting the requirements of whole-hunting process recording.

