

INFIRAY OUTDOOR
AFFO R+ SERIES

HANDHELD THERMAL IMAGING MONOCULAR

The InfiRay Outdoor AFFO series is an affordable and compact thermal imager designed for easy one-handed operation. This highly versatile imager is rugged yet lightweight, making it ideal for many applications such as law enforcement, hunting, search and rescue, and security. Powered by a high-performance 12 μ m sensor, the AFFO series uses next-generation Reality+ image processing to provide a crisp, clear viewing experience that outperforms comparable economy imagers. The user-friendly interface has a built-in stadiametric rangefinder, picture-in-picture function, hotspot tracking, internal recording, and a 9+ hour run-time. Capture vivid, realistic photos and videos in any weather or lighting conditions, taking your thermal imaging experience to the next level.





AFFO SERIES		AP09	AP13
SENSOR			
Resolution	256×192		
Pixel Size	12 μm		
Frame Rate	25hz		
Sensor Sensitivity	<40 mK		
Image Processing	Reality+		
OPTICS			
Objective Lens	9 mm f/0.9	13 mm f/0.9	
Magnification	1.3×	2.0×	
Digital Zoom	4×, Stepped		
Field of View	19.4° × 12.2°	13.5° × 8.4°	
Detection Range	460 Yards	670 Yards	
Display Type	AMOLED		
Display Resolution	640×400		
Color Palettes	White Hot, Black Hot, Red Hot, Color, Highlight		
P.I.P	Yes		
Rangefinder	Stadiametric		
Eye Relief	20 mm		
Diopter Range	-7 to +2		
ELECTRONICS			
Onboard Recording	Video and Image		
Onboard Storage	8 GB		
Wireless Connectivity	Video and Image via App		
Data/Power Connector	USB-C		
Power Supply	USB-C External, Built-In Battery Pack (9+ Hours)		
Start Up Time	<10 Seconds, Instant from Standby		
PHYSICAL			
Size	6.30" × 2.36" × 2.36"		
Weight	11.80 Oz	12.00 Oz	
ENVIRONMENTAL/WARRANTY			
Warranty	5 Years		
Housing Material	Polymer		
Ingress Protection	IP67		
Operation Temperature	-4°F ~ 122°F		



The AFFO series uses InfiRay Outdoor's cutting-edge Reality+ image processing, which uses AI to extract multiple layers of partial features and then merge them together to reconstruct an image. This innovative process significantly improves the resolution and contrast of thermal images, making them smoother and more realistic.

REGISTRATION: irayusa.com/register
WARRANTY: irayusa.com/warranty
SUPPORT/SERVICE: irayusa.com/support

NOTE: These products may be subject to export and foreign trade control laws of the United States and may not be exported without prior approval of the U.S. Department of State. Learn more at irayusa.com/ITAR. The thermal images shown are for illustrative purposes only and may vary in real world usage. Specifications are subject to change without notice. For the most up-to-date specs, go to irayusa.com. Not responsible for typographical errors. Ver 1.0-01062023



To visit the product webpage, scan the QR code or go to irayusa.com/affo

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