




Model	 MAL25	 MAL38	 MAH50
Detector Parameters			
Detector Type	Vox Uncooled		
Resolution	384×288	640×512	
Pixel Size	12μm		
NETD	≤30mk	≤25mk	
Frame Rate	50Hz		
Optics Parameters			
Objective Lens	25mm	38mm	50mm
Field of View (H×V), Degrees / m @ 100 m	10.6×7.9 / 18.4×13.8	7.0×5.3 / 12.3×9.2	8.8×7.0 / 15.4×12.3
Recommended Magnification of the Day Sight, ×	G1/G2/G3/G4: 1×-5×	G1/G2: 1×-5× G3/G4: 6×-8×	G1/G2: 1×-5× G3/G4: 6×-10×
E-zoom	Attachment mode: ×1		
	Monocular mode: ×1/×2/×4		
Detection Range (Target Size: 1.7m×0.5m, P(n)=99%)	1298m	1948m	2597m
Display Parameters			
Type	OLED		
Resolution	1024×768		
Electrical Parameters			
Battery	Built-in Battery + Infray Battery Pack		
Max. Battery Life	5h + 7.5h	4h + 7h	
Physic Parameters			
Body Material	Magnesium Alloy		
Weight (g)	460	500	530
Dimension (mm)	132×62×68	138×62×71	146×62×73
Connection Thread	M52×0.75		
Features			
POI	1.5MOA	1MOA	
IP Rating	IP67		



# MATE Series

## MAL25/MAL38/MAH50

MATE creates a spot where precision meets portability. The magnesium alloy housing reduces the weight by 50% and improves the precision. MATE supports practical functions, including removable buttons, LRF, and monocular extension. It is the ideal mate for users who want a compact size and great value.



**IRay Technology Co., Ltd.**

Tel: 400-998-3088 Fax: +86-535-3410604  
 Mail: [infrayoutdoor@infray.com](mailto:infrayoutdoor@infray.com) Web: [www.infrayoutdoor.com](http://www.infrayoutdoor.com)  
 Add: 11th Guiyang Street, YEDA, Yantai 264006, P.R.China



# Precision Meets Portability

## Ultra-precision

MAH50/MAL38 can meet the high-precision requirement of "POI=1MOA" even by matching it with high-caliber rifles.



Compatible with  
0.338 Lapua Magnum  
.037 H&H Magnum

## Sense-based Algorithms

The algorithms improve image quality by setting suitable preset parameters based on different environments, forest, plain, and city.



# More than Practicability



## Removable Buttons

The buttons can be moved and installed to any position on your rifle. This allows hunters to control the device easily even when their focus is on the target. The remote control is supported by an ultra-low power consumption solution and can attach magnetically for automatic charging

## Power Bank in Box

Mate Series add a power bank as a complementary accessory. It can prolong the battery life for approximately another 7 hours.



## LRF Extension

LRF can be equipped as an optional accessory. In addition to facilitating accuracy, the LRF extension can work as a power bank to prolong the 4-hour battery life for MATE.



## Monocular Extension

MAH50 will function as a thermal imaging monocular when used with the IOM accessory. The IOM can also be used as an optic scope independently.



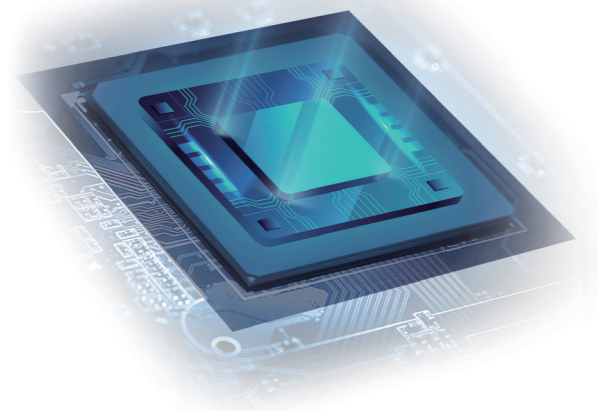
## Lightweight & Compact Size

The weights are over 20% lighter than other similar products. It is also more compact in size than our previous clip-on.

# Clear Inside Out

## Powerful Detector

MAH50 features a high-performance 640\*512, 12µm detector with NETD less than 25mk. MAL38/ MAL25 provide cost-effective choices without major compromise in image quality.



View of MAH50 with an 8x Day Scope

## Distortion-free

A high-quality optical imaging system offers a distortion-free image even when used with a 10 times daytime scope.