

INFIRAY OUTDOOR  
**MATE SERIES**

**Clip-On Thermal Weapon Sight**

The Infiray Outdoor MATE Series thermal clip-on brings an all-new level of versatility to your existing day scope. With a high-performance 12  $\mu\text{m}$  detector, magnesium alloy housing, distortion-free display, and removable control pad, the MATE series ensures a precise and repeatable transition when day turns to night. The MATE can be mounted directly to the objective of your day scope or be attached via MIL-STD-1913 Picatinny rail. Additional accessories, including an external LRF module and monocular extension, provide improved flexibility on your next hunt or trip to the range.

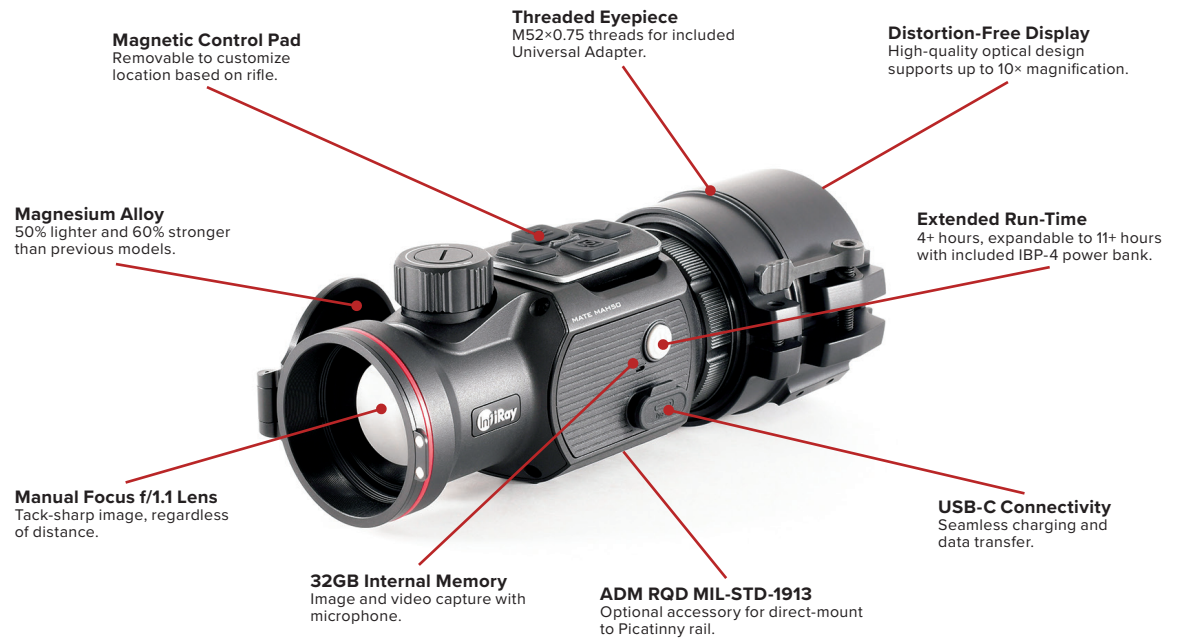




| MATE SERIES             | MAL25                                                                                                        | MAL38                 | MAH50                 |
|-------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| SENSOR                  |                                                                                                              |                       |                       |
| Resolution              | 384×288                                                                                                      | 384×288               | 640×512               |
| Pixel Size              | 12 μm                                                                                                        |                       |                       |
| Frame Rate              | 50hz                                                                                                         |                       |                       |
| Image Processing        | MATRIX III                                                                                                   |                       |                       |
| Core                    | InfiRay Micro II 384                                                                                         | InfiRay Micro II 384  | InfiRay Micro II 640  |
| OPTICS                  |                                                                                                              |                       |                       |
| Objective Lens          | 25 mm f/1.0                                                                                                  | 38 mm f/1.0           | 50 mm f/1.1           |
| Magnification           | 1×                                                                                                           |                       |                       |
| Digital Zoom            | 1× (Clip-on Mode), 1× / 2× / 4× (Monocular Mode)                                                             |                       |                       |
| Field of View           | 10.5° × 7.9°                                                                                                 | 7.0° × 5.3°           | 8.8° × 6.6°           |
| Day Scope Magnification | 5×                                                                                                           | 8×                    | 10×                   |
| Detection Range         | 1375 Yards                                                                                                   | 2150 Yards            | 2400 Yards            |
| Display Type            | AMOLED                                                                                                       |                       |                       |
| Display Resolution      | 1024×768                                                                                                     |                       |                       |
| Color Palettes          | White Hot, Black Hot, Red Hot, Color                                                                         |                       |                       |
| Mounting System         | M52×0.75 Clip-On Universal Adapter Ring with ×4 Inserts (56–65 mm OD), ADM RQD MIL-STD-1913 Mount (Optional) |                       |                       |
| P.I.P.                  | Yes                                                                                                          |                       |                       |
| Rangefinder             | ILR-1200-2 LRF (Optional/Not Included)                                                                       |                       |                       |
| ELECTRONICS             |                                                                                                              |                       |                       |
| Onboard Recording       | Video and Image                                                                                              |                       |                       |
| Onboard Storage         | 32 GB                                                                                                        |                       |                       |
| Wireless Connectivity   | Video and Image via App.                                                                                     |                       |                       |
| Data/Power Connector    | USB-C                                                                                                        |                       |                       |
| Power Supply            | USB-C External, Built-In Battery Pack (4+ Hours), IBP-4 Power Bank (6+ Hours)                                |                       |                       |
| Start Up Time           | <10 Seconds, Instant from Standby                                                                            |                       |                       |
| PHYSICAL                |                                                                                                              |                       |                       |
| Size                    | 5.20" × 2.44" × 2.68"                                                                                        | 5.43" × 2.44" × 2.80" | 5.75" × 2.44" × 2.83" |
| Weight                  | 16.22 Oz                                                                                                     | 17.64 Oz              | 18.70 Oz              |
| ENVIRONMENTAL/WARRANTY  |                                                                                                              |                       |                       |
| Warranty                | 5 Years                                                                                                      |                       |                       |
| Housing Material        | Magnesium Alloy                                                                                              |                       |                       |
| Ingress Protection      | IP67                                                                                                         |                       |                       |
| Operation Temperature   | -4°F~122°F                                                                                                   |                       |                       |
| Max. Recoil             | 1000 g/s <sup>2</sup> (300 Win./7mm Mag)                                                                     |                       |                       |

**REGISTRATION:** [irayusa.com/register](https://irayusa.com/register)  
**WARRANTY:** [irayusa.com/warranty](https://irayusa.com/warranty)  
**SUPPORT/SERVICE:** [irayusa.com/support](https://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](https://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](https://irayusa.com). Not responsible for typographical errors. Ver 1.0-01032023



The MATE features a wireless control pad that can be moved to any position on your rifle allowing ergonomic control without changing your position on the rifle. The control pad is attached magnetically to the MATE and features automatic charging.



An optional ILR-1200-2 LRF module can be added to the MATE as a secondary accessory. In addition to facilitating long-range accuracy, the LRF extension can work as a power bank to extend battery life for the MATE.

The MATE Series thermal clip-on from InfiRay Outdoor provides flexibility, accuracy, and repeatability on any rifle, regardless of lighting conditions. With the MATE, the shooting doesn't stop when the sun goes down, it just gets more fun. To learn more about how to extend the shooting hours with your favorite rifle, visit [irayusa.com/mate](https://irayusa.com/mate).

**IRAYUSA**  
800 Railhead Road #316  
Fort Worth TX 76106  
800-769-7125  
682-499-0047  
[info@irayusa.com](mailto:info@irayusa.com)