

INFIRAY OUTDOOR  
**ZOOM SERIES**

**DUAL FIELD OF VIEW HANDHELD IMAGER**

The ZOOM ZH38 is not only the world's first dual FOV handheld thermal imager available in the commercial market, but also the first handheld product to feature Shutterless Calibration Technology (SCT) to simplify use and reduce power consumption. Additionally, the ZOOM ZH38 is the first handheld thermal imager available to feature a full-color 1440 X 1080 HD OLED display, working in tandem with its ultra-sensitive 12  $\mu\text{m}$  640 x 512 sensor and MATRIX III Processing to create the most flexible and eye-popping viewing experience on the market. Welcome to the future of handheld thermal imagers.





ZOOM SERIES		ZH38
<b>SENSOR</b>		
Resolution	640x512	
Pixel Size	12 μm	
Framerate	50hz	
Image Processing	MATRIX III	
Core	iRay Micro II 640	
<b>OPTICS</b>		
Objective Lens	19mm/38mm	
Magnification	1.6X / 3.2X	
Digital Zoom	4X, stepped	
FOV	22.9° × 17.2° / 11.5° × 8.7°	
Detection Range	2150 Yards	
Display Type	FHD OLED	
Display Resolution	1440×1080	
Imaging Modes	White Hot, Black Hot, Red Hot, Color, Highlight	
P.I.P.	Yes	
Rangefinder	Stadiametric	
Eye Relief	20mm	
Diopter Range	-5~+5	
<b>ELECTRONICS</b>		
Onboard Recording	Video and Image	
Wireless Connectivity	Video/image via App.	
Data/Power Connector	USB-C	
Power Supply	IBP-1 Li-Ion Battery Pack, 10 hours. USB-C external	
Start Up Time	< 10 Seconds, Instant from Standby	
<b>PHYSICAL</b>		
Size	7.48"×2.55"×2.36"	
Weight	19.04 Oz	
<b>ENVIRONMENTAL/WARRANTY</b>		
Warranty	5 Years	
Housing Material	ABS	
Ingress Protection	IP67	
Operation Temp	-4°F~122°F	

**Wifi Connectivity**  
Real time streaming or wireless access to 32gb of onboard storage.

**FHD OLED Display**  
1440×1080 display and a 20X magnification eyepiece ensure nothing goes unnoticed.

**In-line Button Design**  
Easy to use, even with gloves.

**Shutterless Technology**  
Algorithm based NUC is completely silent and extends battery life.



**IBP-1 Battery Pack**  
2 field swappable 4400mAh lithium battery packs offer up to 20 hours of runtime.

**640x512 Resolution Sensor**  
High resolution 12 μm Micro II core featuring ≤25mk sensitivity to capture every detail.

**Dual Field of View Design**  
Wide 19mm focal length for detection with optical zoom to 38mm for increased detail without losing resolution.

**USB-C Connectivity**  
Battery charging or data transfer via a USB-C connection.



With ZOOM's patented dual-field-of-view design, users can seamlessly switch between a wide field-of-view (FOV) for detection, and a narrow FOV for target identification. This 2X increase in optical magnification occurs with an intuitive twist of the objective focus ring and maintains 100 percent of the sensor's native resolution. Learn more about the power of ZOOM by visiting [irayusa.com/zh38](http://irayusa.com/zh38).

**REGISTRATION:** [irayusa.com/register](http://irayusa.com/register)  
**WARRANTY:** [irayusa.com/warranty](http://irayusa.com/warranty)  
**SUPPORT/SERVICE:** [irayusa.com/support](http://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/IAR](http://irayusa.com/IAR). 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](http://irayusa.com). Not responsible for typographical errors. Ver 1.10011222

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