

## MS-7102ZIR

### Multi-spectral Fusion Target Detector



8-in-1 Precision Target  
Reconnaissance & Positioning



Multi-munition  
Ballistic Calculation  
(Optional)



Easy to Operate



Lightweight



Fast & Stable



#### Application

Battlefield reconnaissance, ballistic calculation, surrounding mapping, alert and deterrence, etc.



### 8-in-1 Precision Target Reconnaissance & Positioning

Self-positioning horizontal accuracy  $\leq \pm 10m$

Target positioning accuracy  $\leq \pm 20m$

### Multi-munition Ballistic Calculation (Optional)

Measure meteorological parameters such as temperature, humidity, and atmospheric pressure.

Including 267 types of ballistic parameters (Customizable)

Adjustable for wind deflection

### Easy to Operate

Interface functionality operation guide

Human-machine ergonomic design

### Lightweight

Compact size: 235mm\*220mm\*110mm

Lightweight: 2.3kg(with battery)

### Fast & Stable

Non-cooled, rapid startup  $\leq 30s$

Working Temperature:  $-40^{\circ}C \sim +60^{\circ}C$

IP67 protection level



Main interface: visible light mode



Range measurement interface: white hot mode

### Image Mode

Full-color visible light

Thermal Image

Low-light

Infrared low-light fusion (Including highlighting, edge, blending)

### Visible Light

Resolution 1920\*1080

FOV  $44^{\circ} \times 34^{\circ} \sim 2.4^{\circ} \times 1.8^{\circ}$

Working illuminance  $\geq 0.1Lx$  (Black and white)  $\geq 1.0Lx$  (Full color)

### Thermal Image

Resolution 640\*512

Pixel Pitch 12 $\mu m$

FOV  $7.32^{\circ} \times 5.86^{\circ}$

### Low-light

Resolution 800\*600

Pixel Pitch 8 $\mu m$

FOV  $7.32^{\circ} \times 5.86^{\circ}$

### Laser Rangefinding

Laser wavelength 1535nm

Measurement range 30m-6Km (Vehicle)

### Positioning Component

Positioning mode Multi-frequency BeiDou

Coordinate system GCS/ Gauss-Kruger/ UTM/ MGRS

### Intelligent Automatic Correction of Magnetic Declination

Automatic identification of local magnetic declination (at the specified location), eliminating the need for manual correction.

### Electronic Compass

Azimuth accuracy 0.5° (RMS)

Pitch angle accuracy 0.1° (RMS)

### Laser Indication

Invisible laser 850nm 50mw

Visible laser 520nm 30mw

### Display

1080p FHP OLED

### Working Time

Continuous working time  $\geq 9$  hours