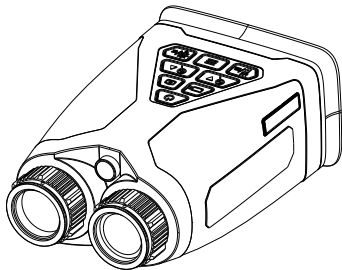


# **AI Full Color Binoculars**

## **User Guide**



**Product Model: C4**



# Contents

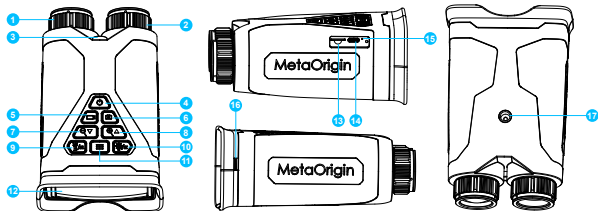
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## Product Introduction

The AI Full-Color Binoculars are equipped with a new-generation, independently developed AI full-color night vision algorithm, pioneering a new category of “zero-light full-color” imaging. This breakthrough greatly enhances adaptability across diverse application scenarios. Whether for wildlife observation, outdoor exploration and camping, marine navigation, professional security patrols, nighttime equipment inspections, or search and rescue missions — it delivers exceptional performance, allowing you to see a vivid, full-color world even in complete darkness.

## Product Appearance and Interfaces



For detailed illustrations,  
please refer to the next page

| No. | Function Module                | Description                                                                                                                                                                                                                                                                   |
|-----|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Focus Knob                     | Rotate left or right to adjust image clarity.                                                                                                                                                                                                                                 |
| 2   | Infrared Lamp                  | Provides infrared illumination.                                                                                                                                                                                                                                               |
| 3   | Tactical Light                 | Provides visible light illumination.                                                                                                                                                                                                                                          |
| 4   | Power Button                   | Press and hold for 3 seconds to power on or off.                                                                                                                                                                                                                              |
| 5   | Record Button                  | 1. In Home Mode: press once to start recording, press again to stop.<br>2. In Menu/Image Preview/Video Preview Mode: press once to return to Home Mode.                                                                                                                       |
| 6   | Photo Button                   | 1. In Home Mode: press once to take a photo.<br>2. In Menu/Image Preview/Video Preview Mode: press once to return to Home Mode.                                                                                                                                               |
| 7   | Zoom Out / Down Button         | 1. In Home/Recording Mode: zoom out.<br>2. In Menu/Image Preview/Video Preview Mode: press to move down.                                                                                                                                                                      |
| 8   | Zoom In / Up Button            | 1. In Home/Recording Mode: zoom in.<br>2. In Menu/Image Preview/Video Preview Mode: press to move up.                                                                                                                                                                         |
| 9   | Tactical Light / Delete Button | 1. In Home/Recording Mode/Power-off state: press once to turn the tactical light on/off; double-click quickly to activate strobe mode; press once again to turn off.<br>2. In Image/Video Preview Mode: press to enter the delete interface and press OK to confirm deletion. |

|    |                            |                                                                                                                                                                                                                                            |
|----|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10 | Infrared Light / OK Button | <p>1. In Home/Recording Mode: press once to turn the infrared light on/off.</p> <p>2. In Menu Mode: acts as a confirm button for parameter settings.</p> <p>3. In Video Preview Mode: acts as a confirm button to play selected video.</p> |
| 11 | Menu Button                | <p>1st press: enter Menu Mode;</p> <p>2nd press: enter Image Preview Mode;</p> <p>3rd press: enter Video Preview Mode;</p> <p>4th press: return to Home Mode.</p>                                                                          |
| 12 | Display Screen             | Display window for binocular imagery.                                                                                                                                                                                                      |
| 13 | Memory Card Slot           | Slot for inserting/removing memory card.                                                                                                                                                                                                   |
| 14 | Charging Port              | <p>1. 5V/3A charging port;</p> <p>2. Connect to a computer via USB for direct file access and transfer of photos/videos.</p>                                                                                                               |
| 15 | Charging Indicator Light   | Red light on during charging; green light on when fully charged.                                                                                                                                                                           |
| 16 | Wrist Strap Mount          | Pass the wrist strap through the mount for easy carrying.                                                                                                                                                                                  |
| 17 | Universal 1/4" Screw Mount | Tripod mounting interface.                                                                                                                                                                                                                 |

- WiF Mode: When connecting to IOS/Android APP, Please go into menu mode and open WiFi function,Then follow connecting instructions on Home page.

- **APP download QR code:**



**Note**

- Please charge before use to avoid low-battery issues.
- For full functionality, insert an SD card first.
- Always close the port cover after use to maintain water and dust resistance.
- Keep in a cool, dry place. Sudden temperature or humidity changes can cause lens fogging and condensation.

## Product Features

AI Full Color Binoculars - See in the dark, in full color. Your reliable partner for any tough environment, combining smart tech with rugged design.

- **AI Full-Color Technology**

See clear color images in near-total darkness - no extra light needed. Perfect for night patrols, equipment checks, and outdoor adventures.

- **IP65 Industrial-Grade Dust and Water Resistance**

IP65 rating keeps out dust and water. Works reliably in tough conditions.

- **10000mAh huge Battery**

10000mAh battery lasts over 10 hours on a single charge - no power worries during long tasks.

## Specifications

|                    |                                  |                                                                                                     |
|--------------------|----------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Core Params</b> | Mini Illuminance                 | Full-color night vision, minimum 0.001 Lux                                                          |
|                    | Max Resolution                   | 2688*1520                                                                                           |
|                    | Video Frame Rate                 | 30fps, Dynamic adjustment                                                                           |
|                    | AI ISP                           | Full-color night vision AI algorithm                                                                |
|                    | Electronic Anti-shake (optional) | Supported                                                                                           |
|                    | Focusing Method                  | Manual Focusing                                                                                     |
|                    | Digital Zoom                     | 8x                                                                                                  |
|                    | Viewing Distance                 | 1KM during the day; night vision 500m in $1 \times 10^{-3}$ lux without any additional light source |
| <b>Lens</b>        | Aperture                         | F1.0                                                                                                |
|                    | Focal Length                     | Fixed 25mm                                                                                          |
|                    | Field Angle                      | DFOV:21°, HFOV:17°, VFOV:10°                                                                        |
|                    | Day/Night Mode                   | Color/B&W mode, manual switching                                                                    |
| <b>Screen</b>      | Screen Size                      | 3.5 Inches                                                                                          |
|                    | Screen resolution                | 1920*1080                                                                                           |
| <b>WiFi</b>        | Wi-Fi hotspot                    | Wi-Fi 2.4 GHz hotspot for APP connnection                                                           |
| <b>Functions</b>   | Photo / Video                    | Supported                                                                                           |
|                    | Photo Resolution                 | 2688*1520, 1920*1080                                                                                |
|                    | Video Resolution                 | 2688*1520, 1920*1080                                                                                |

|                  |                      |                                                        |
|------------------|----------------------|--------------------------------------------------------|
| <b>Functions</b> | Album/Video Playback | Supported                                              |
|                  | Memory Capacity      | TF card, support up to 512GB                           |
|                  | Data Transmission    | USB OTG (data and file transfer)                       |
|                  | Tactical Light       | White light lamp, supports flashlight/burst flash mode |
|                  | Infrared Lamp        | Supports 850nm infrared fill light                     |
| <b>General</b>   | Battery type         | 10000mAh, maximum battery life exceeds 10 hours        |
|                  | Charging             | USB Type-C, MAX 5V3A                                   |
|                  | Charging Protection  | Overcharge and short circuit protection                |
|                  | Operating temp.      | -10°C ~ +55°C                                          |
|                  | Net Weight           | Approx. 650g                                           |

## Package List

1 × AI Full Color  
Binoculars  
1 × 32GB SD Card  
1 × Power Cable

1 × Shoulder Carry Bag  
1 × Bag Shoulder Strap  
1 × Wrist Strap  
1 × Lens Cleaning Cloth

1 × User Guide  
1 × Desiccant Pack  
1 × Packaging Box

## Safety Instructions



### Danger

- This device contains a rechargeable lithium battery. Do not disassemble or expose to strong impact. Stop use immediately and contact the manufacturer if the battery shows any abnormality.
- Only use the included charging cable or certified power adapters. Do not charge near heat sources or in humid conditions to prevent electric shock, fire, or explosion.
- Charge between 0°C and 40°C. Extreme temperatures may prevent charging, damage the battery, or shorten its lifespan.
- Store the device between -10°C and 45°C. If unused for extended periods (e.g., one month), recharge regularly to prevent battery damage from over-discharge. Note: Low battery level, cold, or hot conditions can accelerate this damage.
- Do not shine the infrared or tactical light directly into eyes, as this may cause permanent vision damage or photosensitivity Diseases.
- Avoid pointing the device at the sun or intense light sources to prevent eye injury or damage to the product.

## Warranty Terms

Thank you for choosing our product!

We are dedicated to delivering reliable quality and service. Please review the warranty terms below.

### Warranty Coverage

Free repair or replacement service is provided for eligible products and components within the warranty period (0-12 months, depending on product type). For details, contact your reseller or our official support team. Local regulations may affect specific terms.

### Warranty Claim Requirements

To request service, please provide:

- This warranty certificate
- The original purchase invoice, order record, or valid proof of purchase (clearly indicating the purchase date)

Claims without valid proof may not be accepted.

### The following cases are not eligible for free warranty service

- Damage caused by misuse, accidents, or operation outside the User Guide instructions
- Unauthorized disassembly, modification, or repair
- Damage from natural disasters or other force majeure events

- Normal wear and tear, surface scratches, or color fading
- Invalid, altered, or mismatched warranty documents
- Any failure not related to product design or manufacturing quality

## Disclaimer

- The warranty terms in this guide are your exclusive legal rights and replace all other warranties. Our maximum responsibility is limited to repairing or replacing the product. We are not liable for any indirect losses resulting from product use, including data loss or profit loss.
- Due to product improvements, supply chain changes, and testing variations, the actual product's appearance, software, features, and specifications may differ from this guide. Please refer to the physical product. For the latest information, contact your point of purchase.

## Company

Brand: Heisendall International Ltd.

Address: 18 Kin Hong Street, Kwai Chung, Kwai Tsing District, New Territories  
MADE IN CHINA

Manufacturer: Shenzhen MetaOrigin Intelligent Systems Co., Ltd.

Address: 2202, Tower 2, Joy City, Shenzhen, China

## **FCC Requirement**

changes or modifications not expressly approved by the party responsible for compliance could void the user ' s authority to operate the equipment.

This device complies with part 15 of the FCC Rules. operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- \_ Reorient or relocate the receiving antenna.
- \_ Increase the separation between the equipment and receiver.
- \_ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \_ Consult the dealer or an experienced radio/TV technician for help.