

UCOCARE BF-BK04

UCOCARE 2K Outdoor Security Camera BF-BK04 User Manual

Model: BF-BK04

1. PRODUCT OVERVIEW

The UCO CARE BF-BK04 is a 2K (4MP) outdoor wireless security camera designed for comprehensive surveillance. It features Pan-Tilt-Zoom (PTZ) capabilities, smart motion tracking, full-color night vision, and two-way audio communication. This manual provides detailed instructions for setup, operation, and maintenance of your camera.



Image: UCO CARE BF-BK04 2K Outdoor Security Camera highlighting auto-tracking and motion spotlight features.

Key Features:

- **2K 4MP QHD Resolution:** Captures clear and detailed video footage.
- **360° PTZ Coverage:** 355° horizontal pan and 120° vertical tilt, controllable via the mobile application.
- **Smart Motion Tracking:** Automatically tracks detected movement within its field of view.
- **Full Color Night Vision:** Provides high-quality color images at night using integrated spotlights. Infrared (IR) night vision is also available.
- **Humanoid Motion Detection:** Advanced AI analysis to accurately detect human presence, reducing

false alarms.

- **Two-Way Talk:** Enables real-time audio communication through the camera.
- **IP67 Weatherproof:** Designed for outdoor use, resistant to heavy rain and extreme sun.
- **Versatile Storage Options:** Supports local storage (32GB memory card included, expandable up to 128GB), cloud storage, and NVR integration.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- UCOCARE BF-BK04 Security Camera
- Power Adapter
- Mounting Screws and Anchors
- 32GB MicroSD Memory Card (pre-installed or separate)
- User Manual (this document)

3. SETUP GUIDE

3.1. Powering the Camera

1. Connect the provided power adapter to the camera's power input port.
2. Plug the power adapter into a standard electrical outlet. The camera will power on and initiate its self-test sequence.

3.2. App Installation and Account Creation

1. Download the UCOCARE mobile application from your device's app store (available for Android and iOS).
2. Open the app and follow the on-screen instructions to create a new account or log in if you already have one.

3.3. Connecting the Camera to Wi-Fi

The camera supports 2.4G Wi-Fi connectivity.

1. In the UCOCARE app, tap the "Add Device" or "+" icon.
2. Select your camera model from the list.
3. Follow the in-app instructions to connect the camera to your home 2.4G Wi-Fi network. This typically involves scanning a QR code displayed on your phone with the camera lens or entering Wi-Fi credentials.

3.4. Mounting the Camera

The camera is designed for wall mounting and can be installed both indoors and outdoors.

1. Choose a suitable mounting location that provides the desired viewing angle and is within range of your Wi-Fi signal and a power source.
2. Use the provided mounting template (if included) to mark the drill holes.
3. Drill pilot holes and insert the wall anchors.
4. Secure the mounting bracket to the wall using the screws.

5. Attach the camera to the mounting bracket, ensuring it is securely fastened.

4. OPERATING INSTRUCTIONS

4.1. Live View and Playback

Access the live video feed and review recorded footage through the UCO CARE mobile application.



Image: A smartphone displaying a timeline of recorded video events from the camera.

4.2. Pan, Tilt, and Zoom (PTZ) Control

The camera offers 355° horizontal rotation and 120° vertical rotation, along with 5X digital zoom.

1. In the live view interface of the app, use the directional controls to adjust the camera's viewing angle.
2. Pinch to zoom in or out on the live feed to utilize the 5X digital zoom feature.



Image: Diagram illustrating the 355-degree pan and 120-degree tilt capabilities of the camera.

4.3. Night Vision Modes

The camera supports both full-color night vision and infrared night vision.

- **Full Color Night Vision:** The integrated spotlights can be motion-triggered or manually activated via the app to provide clear color images in low-light conditions.

- **Infrared (IR) Night Vision:** For discreet monitoring, the camera can switch to IR mode, providing black and white video in complete darkness.

4MP Color/Infared Night Vision with motion-activated spotlights and IR lights



Image: A split view demonstrating the difference between color night vision (left) and infrared night vision (right).

4.4. Motion Detection and Tracking

The camera utilizes advanced AI for intelligent human and vehicle detection, reducing false alarms.

1. **Enable Motion Detection:** In the app settings, activate motion detection and customize sensitivity levels.
2. **Smart Tracking:** When motion is detected, the camera can automatically track the moving object.
3. **Alerts:** Receive real-time push notifications on your smartphone when motion is detected.

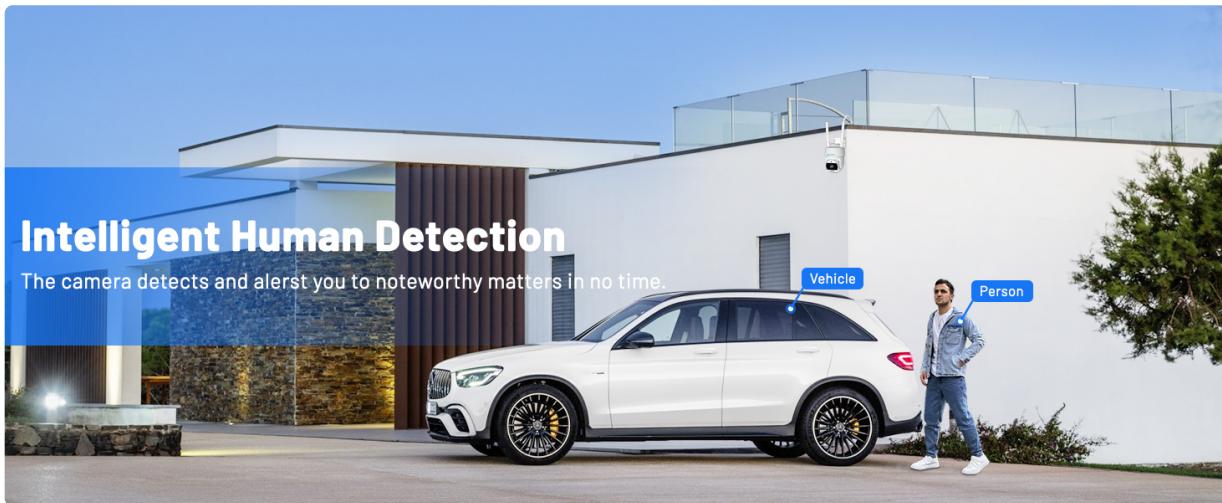


Image: Scene showing the camera's intelligent detection distinguishing between a person and a vehicle.

4.5. Two-Way Audio

Use the two-way talk feature to communicate with individuals near the camera.

1. In the live view, tap the microphone icon to speak through the camera's speaker.
2. The camera's built-in microphone will capture audio from the camera's vicinity.

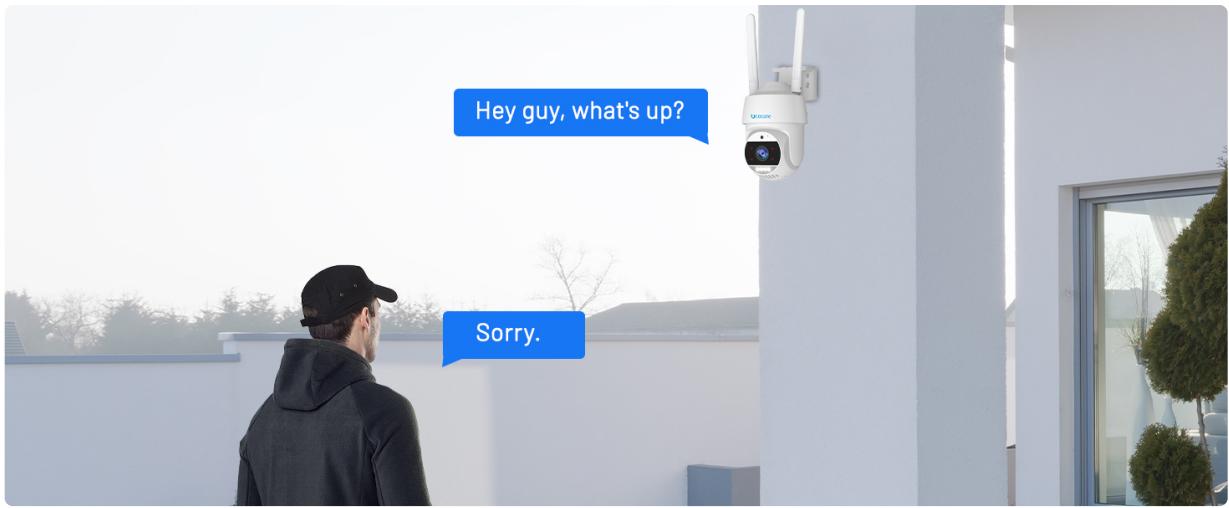


Image: Illustration of the two-way talk function, showing a person speaking to someone near the camera.

4.6. Siren and Spotlight Alarms

Deter unwanted visitors with customizable siren and spotlight alarms.

1. Configure alarm settings in the app to trigger the siren, spotlights, or both upon motion detection.
2. These can also be manually activated from the live view.



Image: Visual representation of motion-activated alarms, showing a spotlight illuminating an intruder and options for siren, spotlight, or both.

4.7. Recording and Storage

The camera offers flexible recording and storage solutions.

- **Local Storage:** A 32GB MicroSD card is included, supporting up to 128GB. Recordings are stored directly on the card.
- **Cloud Storage:** A free 7-day trial is available for cloud storage services.
- **NVR Integration:** The camera can be integrated with Network Video Recorders (NVR) for continuous 24/7 video recording.



Image: Diagram showing the camera's various storage options: included 32GB memory card, compatibility with NVR, and cloud storage.

5. MAINTENANCE

5.1. Cleaning the Camera

To ensure optimal performance and clear image quality, periodically clean the camera lens and housing.

- Use a soft, damp cloth to wipe the camera's exterior.
- For the lens, use a lens cleaning cloth and solution to avoid scratches.
- Do not use harsh chemicals or abrasive cleaners.

5.2. Firmware Updates

Regularly check for and install firmware updates through the UCOCARE app to ensure your camera has the latest features and security enhancements.

5.3. Weather Resistance

The camera is IP67 weatherproof, designed to withstand various outdoor conditions.

IP67 For Outdoor Use



Rainy



Snowing



Hot

Image: UCOCARE BF-BK04 camera mounted on an exterior wall during rainfall, illustrating its IP67 weatherproof rating.

6. TROUBLESHOOTING

If you encounter issues with your UCOCARE BF-BK04 camera, please refer to the following common solutions:

Problem	Possible Solution
Camera not powering on	Ensure the power adapter is securely connected to both the camera and a working electrical outlet. Test the outlet with another device.

Problem	Possible Solution
Unable to connect to Wi-Fi	Verify your Wi-Fi network is 2.4GHz. Ensure the camera is within range of your router. Double-check Wi-Fi password. Restart your router and the camera.
No motion detection alerts	Check motion detection settings in the app (enabled, sensitivity). Ensure app notifications are allowed on your smartphone. Verify the camera's field of view.
Poor video quality	Clean the camera lens. Check your Wi-Fi signal strength. Ensure the app is set to display 2K (4MP) resolution.
Two-way talk not working	Check microphone and speaker permissions for the app on your phone. Ensure the camera's microphone and speaker are not obstructed.
Recordings not saving	Verify the MicroSD card is correctly inserted and not full. Check cloud storage subscription status. Ensure recording schedules are properly configured.

If these steps do not resolve your issue, please contact UCOCARE customer support.

7. SPECIFICATIONS

Feature	Detail
Model	BF-BK04
Brand	UCOCARE
Video Capture Resolution	1440p (2K 4MP QHD)
Pan/Tilt Range	355° Horizontal, 120° Vertical
Digital Zoom	5X
Night Vision	Full Color Night Vision, Infrared Night Vision
Motion Detection	Humanoid Motion Detection, Person/Vehicle Detection, Auto Tracking
Audio	Two-Way Talk
Connectivity Technology	Wireless (2.4G Wi-Fi)
Power Source	Corded Electric (12 Volts)
Operating System Compatibility	Android, iOS
Storage Options	MicroSD Card (32GB included, max 128GB), Cloud Storage, NVR
Weather Resistance	IP67

Feature	Detail
Mounting Type	Wall Mount
Dimensions (L x W x H)	16 x 9 x 16 cm

8. WARRANTY AND SUPPORT

8.1. Product Warranty

Your UCOCARE BF-BK04 security camera is covered by a 3-year protection plan. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

UCOCARE is committed to customer satisfaction. Our professional technical team is available to assist with any issues or questions you may have.

For further assistance, please visit the official UCOCARE store or contact our support team:

- UCOCARE Store: <https://www.amazon.ca/stores/UCOCARE/page/61909D16-2737-40E2-9EF9-4155E0999864>