

Mibao P650 Wireless Security Camera User Manual

Model: P650

1. INTRODUCTION

This manual provides essential instructions for the setup, operation, and maintenance of your Mibao P650 Wireless Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. The Mibao P650 is designed for both indoor and outdoor surveillance, featuring a rechargeable battery, Full HD 1080P resolution, night vision, PIR motion detection, and two-way audio communication.

2. PRODUCT OVERVIEW

The Mibao P650 camera is a versatile security solution. It incorporates advanced features for reliable monitoring.

Key Features:

- **True Wireless Operation:** Equipped with a 10400mAh rechargeable battery, offering extended operation without constant power connection.
- **Full HD 1080P Video:** Provides clear and detailed video footage.
- **Enhanced Night Vision:** Infrared LEDs enable clear monitoring in low-light conditions up to 65 feet.
- **PIR Human Motion Detection:** Reduces false alarms by detecting human shapes, sending instant notifications to your mobile device.
- **Two-Way Audio:** Built-in microphone and speaker allow for real-time communication.
- **IP66 Weatherproof:** Designed to withstand various weather conditions, suitable for outdoor installation.
- **Dual 5dBi Antenna:** Ensures a stronger and more stable Wi-Fi connection.
- **Flexible Storage Options:** Supports both MicroSD card (not included) and cloud storage via the CloudEdge app.

Product Components:

The camera unit includes the main camera body, dual antennas, a lens, infrared LEDs, a PIR sensor, a microphone, and a speaker. The internal battery is rechargeable.



Figure 2.1: Mibao P650 Wireless Security Camera. This image shows the overall design of the camera, highlighting its dual antennas and an internal view of the integrated batteries.

See the "more" in High Definition

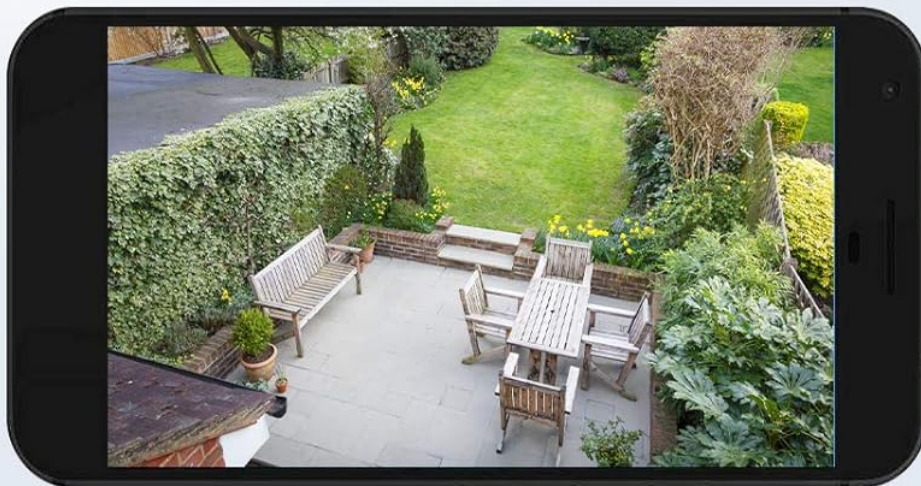
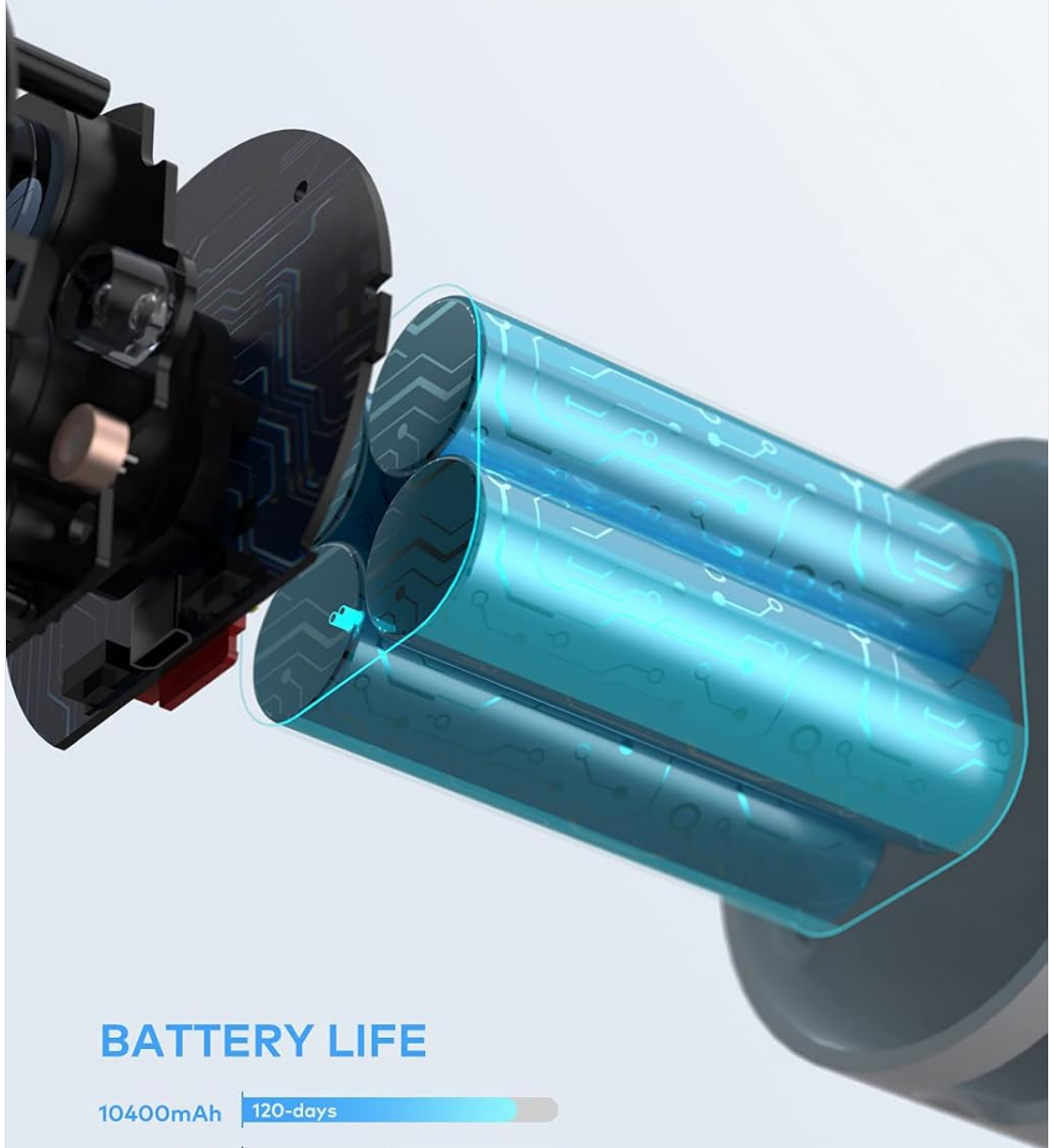


Figure 2.2: Detailed view of the camera lens, showing 3.6mm all-glass lens, f/2.0 large aperture, and 1/2.9" HD CMOS sensor. An example of a high-definition outdoor view captured by the camera is also displayed on a smartphone screen.

Four batteries up to **10400 mAh**
Go where wires can't



BATTERY LIFE



Figure 2.3: Illustration of the Mibao P650's four internal batteries, totaling 10400mAh, emphasizing its long battery life and wireless capability.

3. SETUP GUIDE

Setting up your Mibao P650 camera involves a few key steps to ensure optimal performance.

3.1 Initial Charging

Before first use, fully charge the camera's integrated 10400mAh battery. A full charge can last 1-3 months depending on activity (based on 10 wake-ups per day).

3.2 App Installation and Account Creation

1. Download the **CloudEdge** app from your smartphone's app store (iOS or Android).
2. Register for a new account or log in if you already have one.

3.3 Camera Pairing

1. Follow the in-app instructions to add a new device.
2. Ensure your Wi-Fi network is **2.4 GHz**. The camera does not support 5 GHz networks.
3. Position the camera within range of your Wi-Fi router for a stable connection. The dual 5dBi antennas enhance signal strength.

Stronger Dual 5db Antenna

Wide and more stable signal longer transmission distance



Figure 3.1: Illustration demonstrating the enhanced signal range and stability provided by the Mibao P650's dual 5dBi antennas, allowing for longer transmission distances.

3.4 MicroSD Card Installation (Optional)

If you plan to use local storage, insert a MicroSD card (up to 128GB, not included) into the designated slot. The slot is designed at the bottom for weather resistance.

3.5 Mounting the Camera

Choose a suitable location for mounting, considering the camera's field of view and Wi-Fi signal strength. The camera is IP66 weatherproof, making it suitable for outdoor use in various conditions.



Figure 3.2: The Mibao P650 camera shown enduring rain, snow, and heat, illustrating its IP66 weatherproof rating and ability to operate in temperatures from -20°C to 50°C.

4. OPERATING INSTRUCTIONS

Once set up, your Mibao P650 camera offers several functionalities accessible via the CloudEdge app.

4.1 Live View and Recording

Access the live video feed through the CloudEdge app. You can manually record video or capture screenshots from the live view.

4.2 PIR Human Motion Detection

The camera uses PIR technology to detect human movement, reducing false alarms from other sources like insects or leaves. When motion is detected, you will receive an instant notification on your smartphone.

About "PIR Human Motion Detection"

PIR technology means that only when objects with heat sources such as people or animals will the alarm be triggered, which effectively reduces the false alarms and saves energy.



PIR Human Motion Detection

EXTEND BATTERY LIFE



REDUCE INVALID ALARMS



Figure 4.1: Diagram illustrating the PIR Human Motion Detection feature, showing how the camera identifies human heat sources to trigger alarms, extending battery life and reducing invalid alerts.

Alerts you when something happens

Cover every corner, won't miss the one who you loved



Figure 4.2: A smartphone screen displaying a 'Motion alarm' notification from the CloudEdge app, indicating that the camera has detected activity.

4.3 Two-Way Audio

Use the two-way audio feature to communicate with individuals near the camera. This is useful for speaking to visitors or deterring unwanted guests.

Listen what you hear say what you say

With the built-in speaker and mic
you can talk to everybody



Figure 4.3: An image depicting a person at a door, with a speech bubble indicating communication through the camera's two-way audio feature.

4.4 Night Vision

The camera automatically activates infrared night vision in low-light conditions, providing clear black-and-white video up to 65 feet.



Figure 4.4: A split image showing a daytime view of a house and a nighttime view, demonstrating the camera's ability to provide clear visibility even in complete darkness using infrared night vision.

4.5 Storage Management

Recorded footage can be stored on a MicroSD card or in the CloudEdge cloud storage service. Cloud storage encrypts your data for security and remote access.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Mibao P650 camera.

5.1 Battery Charging

Monitor the battery level via the CloudEdge app. Recharge the camera using a standard 5V USB charger when the battery is low. The camera will send notifications when the battery requires charging.

5.2 Cleaning

Periodically clean the camera lens and housing with a soft, dry cloth to remove dust, dirt, or water spots. Avoid using harsh chemicals or abrasive materials.

5.3 Firmware Updates

Check the CloudEdge app regularly for available firmware updates. Keeping the firmware updated ensures you have the latest features and security enhancements.

6. TROUBLESHOOTING

If you encounter issues with your Mibao P650 camera, refer to the following common solutions.

6.1 Camera Not Connecting to Wi-Fi

- Ensure your Wi-Fi network is **2.4 GHz**. The camera does not support 5 GHz.
- Verify the Wi-Fi password is correct.
- Move the camera closer to the Wi-Fi router to improve signal strength.
- Restart your router and the camera.

6.2 Frequent False Alarms

- Adjust the PIR motion detection sensitivity settings in the CloudEdge app.
- Ensure the camera is not pointed directly at moving objects like tree branches or busy roads if not intended for monitoring.

6.3 Short Battery Life

- High activity levels (frequent motion detections, live view access) will consume battery faster.
- Ensure the camera is fully charged.
- Reduce PIR sensitivity or frequency of recordings if possible.

6.4 Poor Video Quality

- Check your Wi-Fi signal strength. A weak signal can affect streaming quality.
- Clean the camera lens for any smudges or dirt.

7. SPECIFICATIONS

Detailed technical specifications for the Mibao P650 Wireless Security Camera.

Feature	Specification
Model Number	P650
Brand	mibao
Video Resolution	1080P Full HD
Wireless Communication Technology	Wi-Fi (2.4 GHz only)
Battery Capacity	10400mAh (Lithium-polymer)
Power Source	Battery Powered
Weather Resistance	IP66
Special Features	PIR Motion Detector, HD Resolution, Night Vision
Compatible Devices	Smartphone (iOS, Android)
Storage Options	MicroSD Card (up to 128GB), Cloud Storage
Dimensions (L x W x H)	11 x 6.5 x 8.5 cm
Weight	712 grams
Effective Video Resolution	1080 Pixels
Power Consumption	5 Watt-hours
Recommended Use	Surveillance

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact Mibao customer service directly. Information regarding spare parts availability is not provided.