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› BOAVISION 2K Outdoor Wireless WiFi Security Camera (Model HD22M102M) - User Manual

BOAVISION HD22M102M

BOAVISION 2K Outdoor Wireless WiFi Security Camera (Model HD22M102M) - User Manual

Your comprehensive guide to installation, operation, and maintenance.

1. PRODUCT OVERVIEW

The BOAVISION 2K Outdoor Wireless WiFi Security Camera (Model HD22M102M) is designed to provide robust surveillance for your home or property. Featuring 2K video resolution, 360° pan and tilt capabilities, motion detection with auto-tracking, two-way audio, and multiple night vision modes, this camera offers comprehensive monitoring day and night. It supports both 2.4G and 5G WiFi networks for flexible connectivity.



Image 1: BOAVISION 2K Outdoor Wireless WiFi Security Camera with smartphone app view.

2. PACKAGE CONTENTS

Please check the package for the following items:

- BOAVISION 2K Outdoor Wireless WiFi Security Camera (Model HD22M102M)
- Power Adapter
- Mounting Bracket

- Mounting Screws and Wall Anchors
- Quick Start Guide

3. SETUP GUIDE

3.1 Powering the Camera

Connect the provided power adapter to the camera's power input port. Ensure the connection is secure and, if outdoors, utilize the waterproof plug to protect the connection from elements.

Video 1: Demonstrates connecting the power cord to the camera and securing the waterproof plug.

3.2 App Installation and Pairing

1. Download the recommended mobile application (e.g., CamHiPro) from your device's app store (iOS/Android).
2. Register or log in to your account.
3. Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or entering its device ID.
4. Connect the camera to your 2.4G or 5G WiFi network by entering the correct WiFi password in the app.

3.3 SD Card Installation (Optional)

For local storage of recordings, insert a Class 10 Micro SD card (up to 128GB, not included) into the designated slot on the camera. Ensure the camera is powered off before inserting or removing the SD card.

3.4 Mounting the Camera

The camera can be wall-mounted or ceiling-mounted. Use the provided mounting bracket, screws, and wall anchors to securely attach the camera in your desired location. Ensure the camera has a clear line of sight and is within WiFi range.



Waterproof IP66

ABS Plastic Housing Material, Outdoor & indoor Use, suit for any weather condition.

Image 2: The camera is designed for outdoor use and is waterproof.

4. OPERATING INSTRUCTIONS

4.1 Live View and Pan/Tilt Control

Access the live video feed through the mobile application. Use the on-screen controls to remotely pan (350°) and tilt (120°) the camera, allowing you to monitor a wide area.



Image 3: Pan and Tilt functionality provides extensive coverage.

4.2 Motion Detection and Auto-Tracking

Enable motion detection in the app settings. When motion is detected, the camera can automatically track the moving object and begin recording. You will receive instant notifications on your mobile device.



Image 4: AI Humanoid Detection minimizes false alarms.

4.3 Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication. You can listen to audio from the camera's location and speak through your phone to the camera's vicinity.

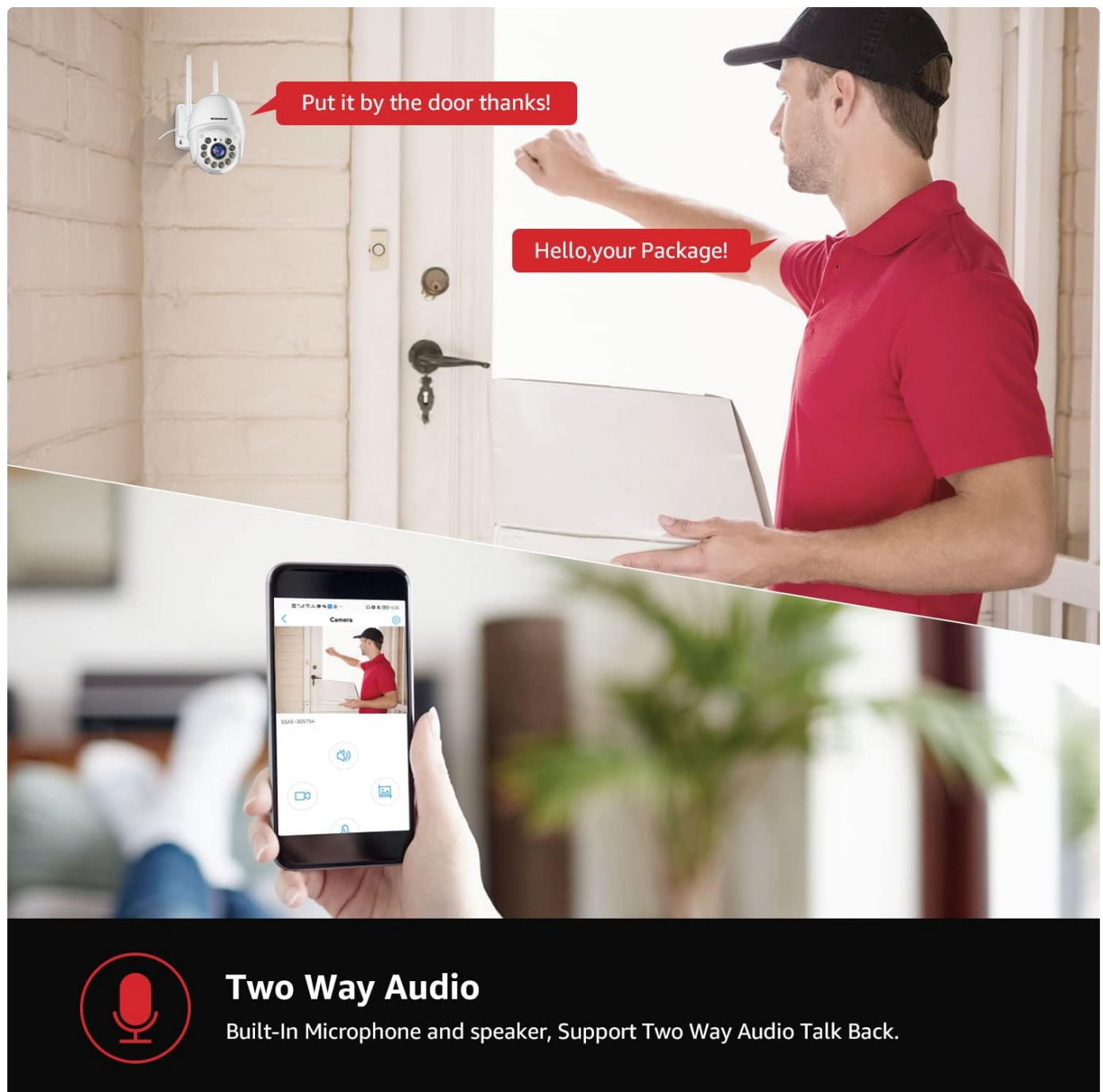


Image 5: Engage in real-time conversations through the camera.

4.4 Night Vision Modes

The camera supports various night vision modes:

- **Infrared Night Vision:** Provides clear black and white video in low-light conditions.
- **Full Color Night Vision:** Activates built-in floodlights to provide color video even in darkness.
- **Smart Night Vision:** Automatically switches between infrared and color night vision based on detected motion.

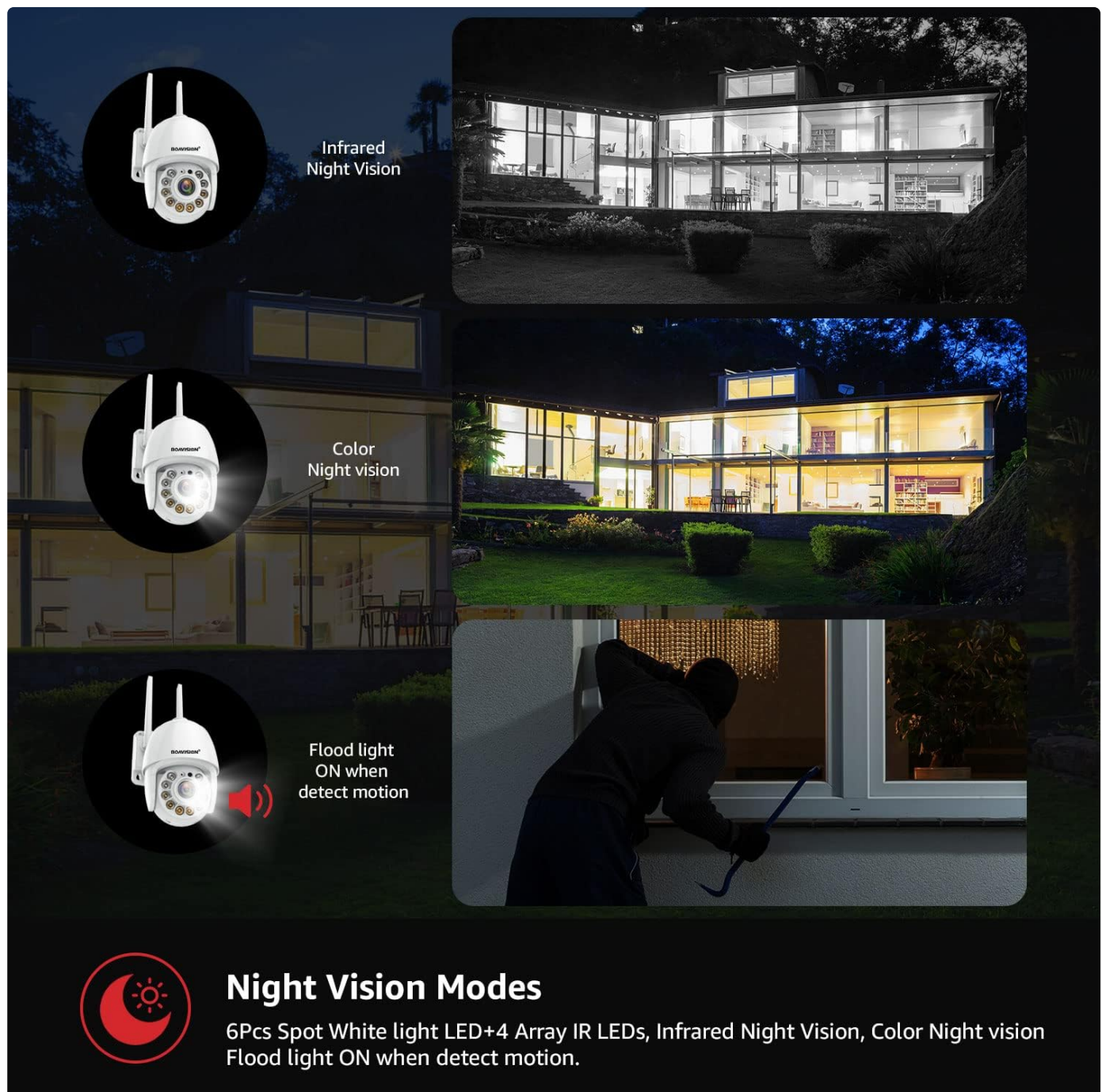


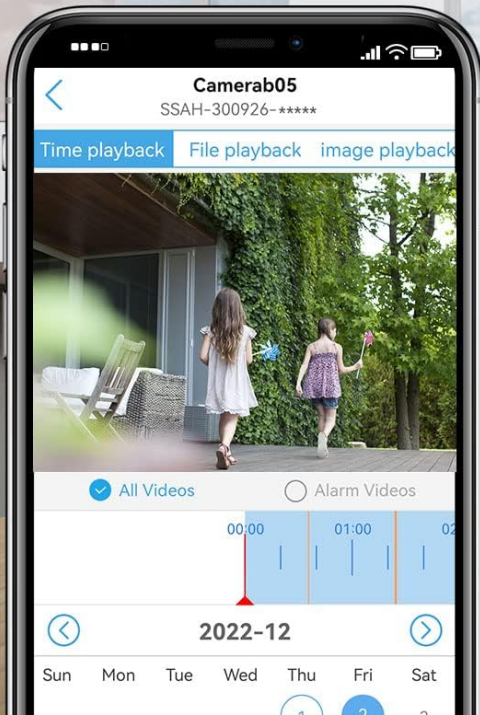
Image 6: Choose between infrared, color, or smart night vision for optimal clarity.

4.5 Recording and Playback

The camera supports 24/7 continuous recording to an SD card (if installed) or cloud storage (subscription may be required). Access recorded footage through the app's playback feature, allowing you to review events by date and time.



CamHiPro



24/7 Recording & Clip Recording

Play back at any time without missing any important details.

Image 7: Review recorded footage anytime, anywhere.

Video 2: Demonstrates watching live video from a PC application, showcasing remote viewing capabilities.

5. KEY FEATURES

- **2K Video Resolution:** Captures clear and detailed footage.
- **360° Pan & 120° Tilt:** Provides extensive coverage with remote control.
- **Motion Tracking:** Automatically follows moving objects within its field of view.
- **Built-in Floodlight & Alarm Siren:** Deters intruders with light and sound upon motion detection.
- **Two-Way Talk:** Enables real-time communication through the camera.
- **Dual-Band WiFi:** Supports both 5G and 2.4G WiFi for stable connectivity.
- **IP67 Weatherproof:** Durable design for outdoor use in various weather conditions.
- **Third-Party Software Integration:** Compatible with platforms like Blue Iris, iSpy, Synology, and TinyCam.

6. MAINTENANCE

- **Regular Cleaning:** Periodically clean the camera lens with a soft, dry cloth to ensure clear image quality.
- **Check Connections:** Ensure all power and network connections are secure and free from damage, especially for outdoor installations.
- **Firmware Updates:** Check the mobile application regularly for firmware updates to ensure optimal performance and security.
- **SD Card Management:** If using an SD card, ensure it is functioning correctly and consider formatting it periodically to maintain performance.

7. TROUBLESHOOTING

- **Camera Offline:** Check WiFi connectivity and power supply. Ensure the camera is within range of your router.
- **Poor Video Quality:** Clean the camera lens. Check your internet connection speed. Ensure the camera is set to 2K resolution in the app.
- **Motion Detection Not Working:** Verify motion detection settings in the app. Adjust sensitivity levels. Ensure the camera's view is not obstructed.
- **Two-Way Audio Issues:** Check microphone and speaker settings in the app. Ensure your phone's volume is up.
- **SD Card Not Recording:** Ensure the SD card is correctly inserted and formatted. Check recording settings in the app.

8. SPECIFICATIONS

Feature	Detail
Model Number	HD22M102M
Video Capture Resolution	2K
Connectivity Technology	Wireless (Wi-Fi)
Wireless Communication Technology	Wi-Fi (5G/2.4G)
Special Features	Motion Sensor, Night Vision, Auto Tracking, Two-Way Talk, Floodlight
Indoor/Outdoor Usage	Outdoor
Power Source	Corded Electric (DC12V)
Field Of View	360 Degrees
Night Vision Range	100 Feet
International Protection Rating	IP67
Item Dimensions (L x W x H)	6.5 x 4.2 x 3.9 inches

Item Weight	1.76 pounds
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9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official BOAVISION website or the contact details provided in your product packaging. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question