

HOOISE DM324

HOOISE DM324 Wireless Solar Power 2K Outdoor WiFi Surveillance Camera User Manual

1. INTRODUCTION

Thank you for choosing the HOOISE DM324 Wireless Solar Power 2K Outdoor WiFi Surveillance Camera. This camera is designed to provide reliable outdoor security with its 100% wireless operation, solar charging capabilities, and 2K high-definition video. Featuring 360° pan and tilt control, intelligent human detection, color night vision, two-way audio, and IP66 weather resistance, it offers comprehensive surveillance for your property. This manual will guide you through the setup, operation, and maintenance of your new security camera.

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x HOOISE DM324 Camera with Integrated Battery
- 1 x Solar Panel
- 1 x Accessory Pack (screws, wall plugs)
- 1 x Type-C Charging Cable
- 1 x User Manual

Figure 2.1: Package Contents

3. PRODUCT OVERVIEW

The HOOISE DM324 camera offers advanced features for comprehensive outdoor surveillance:

- **100% Wireless & Solar Powered:** Equipped with an integrated battery recharged by the included solar panel, ensuring continuous operation for extended periods.

- **360° Coverage:** Pan (336° horizontally) and Tilt (108° vertically) functionality allows for extensive monitoring without blind spots, controllable via the mobile application.
- **2K HD Video & Color Night Vision:** Captures clear 2K resolution video. Features three night vision modes (color, black & white, smart) for optimal visibility in low-light conditions.
- **Intelligent PIR Human Detection:** Built-in PIR sensor accurately detects human motion, reducing false alarms from pets, vehicles, or environmental factors. Adjustable sensitivity and zone detection are available.
- **Smart Siren & Instant Alerts:** When motion is detected, the camera can activate a sound and light siren to deter intruders and send instant 2K color video notifications to your device.
- **Two-Way Audio:** Integrated microphone and speaker allow for real-time communication with visitors or to warn off unwanted guests.
- **IP66 Weatherproof:** Designed to withstand various weather conditions, including rain, snow, and extreme temperatures (-10°C to 55°C).
- **Secure Storage:** Supports local Micro SD card storage up to 128GB and offers cloud storage options with data encryption.



Figure 3.1: Wireless Solar Power



Figure 3.2: 2K Color Night Vision

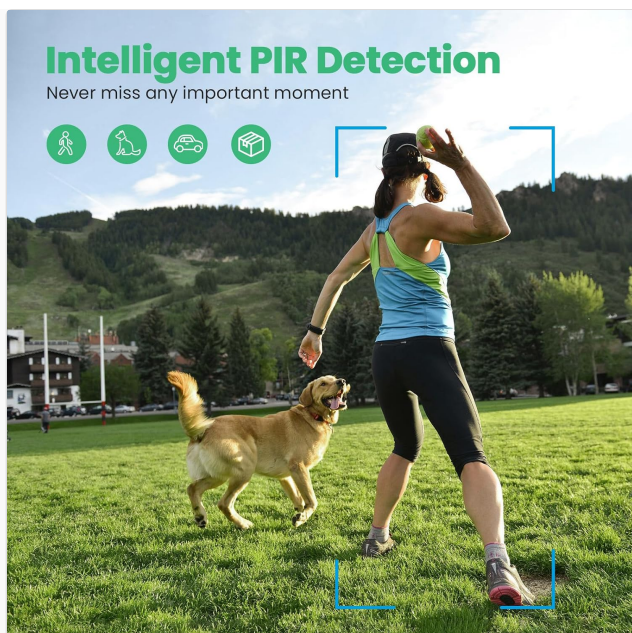


Figure 3.3: Intelligent PIR Detection



Figure 3.4: Smart Siren & Notification



Figure 3.5: 336° Pan & 108° Tilt Control



Figure 3.6: IP66 Weatherproof



Figure 3.7: Two-Way Audio

4. SETUP

4.1 Initial Charging

Before installation, fully charge the camera's internal battery using the provided Type-C cable. This ensures the camera has sufficient power for initial setup and operation, especially if solar charging conditions are not optimal immediately after installation.

4.2 App Download and Account Creation

1. Download the official HOOISE security camera application from your smartphone's app store (iOS or Android).
2. Open the app and follow the on-screen instructions to create a new user account.
3. Log in to your newly created account.

4.3 Camera Pairing and WiFi Connection

1. In the app, select the option to add a new device.
2. Power on the camera. The camera will enter pairing mode, indicated by a specific LED light pattern or voice prompt.
3. Follow the app's instructions to connect the camera to your 2.4GHz WiFi network. Ensure your smartphone is also connected to the same 2.4GHz network during this process.
4. Once connected, the camera will confirm successful pairing, and you should see its live feed in the app.

4.4 Installation

Choose a suitable outdoor location for the camera and solar panel. Consider the following:

- **Camera Placement:** Mount the camera at a height that provides optimal viewing coverage and detection range. Ensure it is within range of your 2.4GHz WiFi signal.
- **Solar Panel Placement:** Install the solar panel in a location that receives direct sunlight for several hours each day to maximize charging efficiency. Avoid shaded areas.
- **Mounting:** Use the provided accessory pack (screws and wall plugs) to securely mount both the camera and the solar panel. Connect the solar panel to the camera using the integrated cable.

5. OPERATING INSTRUCTIONS

5.1 Live View and Pan/Tilt Control

Open the HOOISE app and select your camera to view the live feed. Use the on-screen controls to pan the camera horizontally (336°) and tilt it vertically (108°) to adjust the viewing angle as needed.

5.2 Two-Way Audio

While in live view, tap the microphone icon in the app to speak through the camera's speaker. Tap the speaker icon to listen to audio from the camera's surroundings.

5.3 Motion Detection and Alerts

The camera's PIR sensor detects human motion. When motion is detected, you will receive an instant notification on your smartphone. You can customize detection sensitivity and define specific detection zones within the app settings to minimize false alarms.

5.4 Night Vision Modes

The camera supports three night vision modes:

- **Color Night Vision:** Utilizes white LEDs to provide full-color video in low light.
- **Black & White Night Vision:** Uses IR LEDs for standard monochrome night vision.
- **Smart Night Vision:** Automatically switches between black & white and color night vision based on detected motion or ambient light conditions.

Adjust these settings in the camera's app configuration.

5.5 Recording and Storage

Recordings are triggered by motion detection. You can access recorded footage via the app. The camera supports:

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, not included) into the designated slot on the camera for local storage.
- **Cloud Storage:** Optional cloud storage services are available through the app for secure, encrypted backup of your recordings.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure optimal performance. Dust, dirt, or debris on the solar panel can reduce charging efficiency, and smudges on the lens can affect image clarity.

6.2 Battery Management

While the solar panel provides continuous charging, its effectiveness can vary with weather conditions and sunlight exposure. In periods of prolonged cloudy weather or during winter months with shorter daylight hours and frequent detections, the battery may discharge faster than it recharges. If the battery level becomes critically low, you may need to temporarily remove the camera and recharge it using the Type-C cable indoors.

6.3 SD Card Management

If using a Micro SD card for local storage, periodically check its status via the app. Ensure there is sufficient space,

or configure the camera to overwrite older footage when the card is full. Format the SD card through the app if you encounter recording issues.

7. TROUBLESHOOTING

If you encounter issues with your HOOISE DM324 camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera not connecting to WiFi	Incorrect WiFi password; Camera too far from router; Only 5GHz WiFi available.	Ensure correct 2.4GHz WiFi password. Move camera closer to the router. Confirm your router supports 2.4GHz WiFi.
Battery not charging via solar panel	Insufficient sunlight; Solar panel dirty; High detection frequency draining battery faster than charging.	Relocate solar panel to an area with more direct sunlight. Clean the solar panel. Reduce detection sensitivity or frequency if possible. Manually charge via Type-C cable if needed.
Delayed motion detection alerts	Network latency; App settings; Camera placement.	Ensure a stable and strong WiFi connection. Check app settings for alert delays. Adjust camera angle for optimal PIR detection.
False alarms	High sensitivity; Environmental factors (leaves, rain, shadows); Pets.	Lower the motion detection sensitivity in the app. Define specific detection zones to exclude irrelevant areas.
Cannot share camera with family	Incorrect sharing method.	Use the 'sharing' feature within the app to invite other users. Do not attempt to log in with the same account on multiple devices simultaneously for sharing purposes.
Poor image quality at night	Dirty lens; Incorrect night vision mode; Insufficient ambient light for color night vision.	Clean the camera lens. Switch to Black & White night vision if color night vision is not clear due to very low light.

8. SPECIFICATIONS

Feature	Detail
Model Number	DM324
Color	White
Video Recording Resolution	1296p (2K)
Wireless Communication Technology	Wi-Fi (2.4GHz)

Feature	Detail
Pan/Tilt Range	336° Horizontal, 108° Vertical
Power Source	Battery Powered (Lithium-polymer, included) with Solar Panel
Voltage	5 Volts (DC)
Power	5 Watts
Item Dimensions (L x W x H)	7.6 x 10.2 x 12.7 cm
Water Resistance Level	IP66 (Waterproof)
Special Features	Two-way audio, Motion detector (PIR), Color Night Vision
Storage Options	Micro SD Card (up to 128GB), Cloud Storage
Manufacturer	HOOISE

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

The HOOISE DM324 Wireless Solar Power 2K Outdoor WiFi Surveillance Camera comes with a 1-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Technical Support

For any technical issues, questions, or assistance with your product, please contact HOOISE professional technical support. Refer to the contact information provided on the product packaging or the official HOOISE website for support channels.