

DIHOOM US-A4S

DIHOOM 2K/3MP Solar Security Camera User Manual

Model: US-A4S

1. INTRODUCTION

The DIHOOM 2K/3MP Solar Security Camera (Model: US-A4S) is designed for outdoor surveillance, offering high-resolution video, two-way audio, and smart motion detection. Powered by a solar panel, it provides an efficient and wire-free security solution for your home or property. This manual provides detailed instructions for setting up, operating, and maintaining your camera.



Image: The DIHOOM 2K/3MP Solar Security Camera, showcasing its compact design, integrated spotlight, and accompanying solar panel for continuous power. A smartphone displays a live feed from the camera, highlighting its 2K Full HD resolution.

2. PACKAGE CONTENTS

Before proceeding with the setup, please verify that all items listed below are included in your package:

- DIHOOM 2K/3MP Solar Security Camera (Model: US-A4S)
- Solar Panel
- Camera Mounting Bracket (white)
- Solar Panel Mounting Bracket (black)
- USB Charging Cable
- Mounting Screws and Wall Plugs
- User Manual (Quick Guide)

Your browser does not support the video tag.

Video: An unboxing video demonstrating the contents of the DIHOOM 2K Solar Security Camera package, including the camera unit, solar panel, mounting hardware, and charging cable.

3. SETUP GUIDE

3.1 App Installation and Account Registration

To begin, download the CloudEdge app on your smartphone. You can find the app by scanning the QR codes provided in the quick guide or by searching for "CloudEdge" in your device's app store.

1. Scan the QR code from the quick guide using your phone's camera or a QR code scanner app.
2. Download and install the "CloudEdge" application.
3. Open the app and register for a new account using your email address. Follow the on-screen prompts to complete the registration process.
4. Allow all necessary permissions for the app to function correctly, including access to mobile data and notifications for motion detection alerts.

Easy Setup & Remote View

Share with family, multiple devices access



Image: A smartphone displaying the CloudEdge app interface, illustrating the ease of setup and remote viewing capabilities, including options to share access with multiple devices.

3.2 Powering On and Initial Connection

Ensure the camera is fully charged before initial setup. Connect the USB charging cable to the camera's charging port (located under the protective cover at the back) and to a power source. Once charged, press the power button to turn on the camera.

- Open the CloudEdge app and select "Add Device".

- Choose "Battery Camera" from the device list.
- Follow the app's instructions to connect the camera to your 2.4GHz Wi-Fi network **Note: This device does not support 5GHz Wi-Fi networks.**
- The app will display a QR code. Hold your smartphone with the QR code 5-8 inches (15-20 cm) in front of the camera lens. The camera will scan the QR code and emit a tone when successfully connected.



Image: A detailed view of the DIHOOM camera's front, highlighting the lens, light sensor, and motion sensor, crucial for its operation.

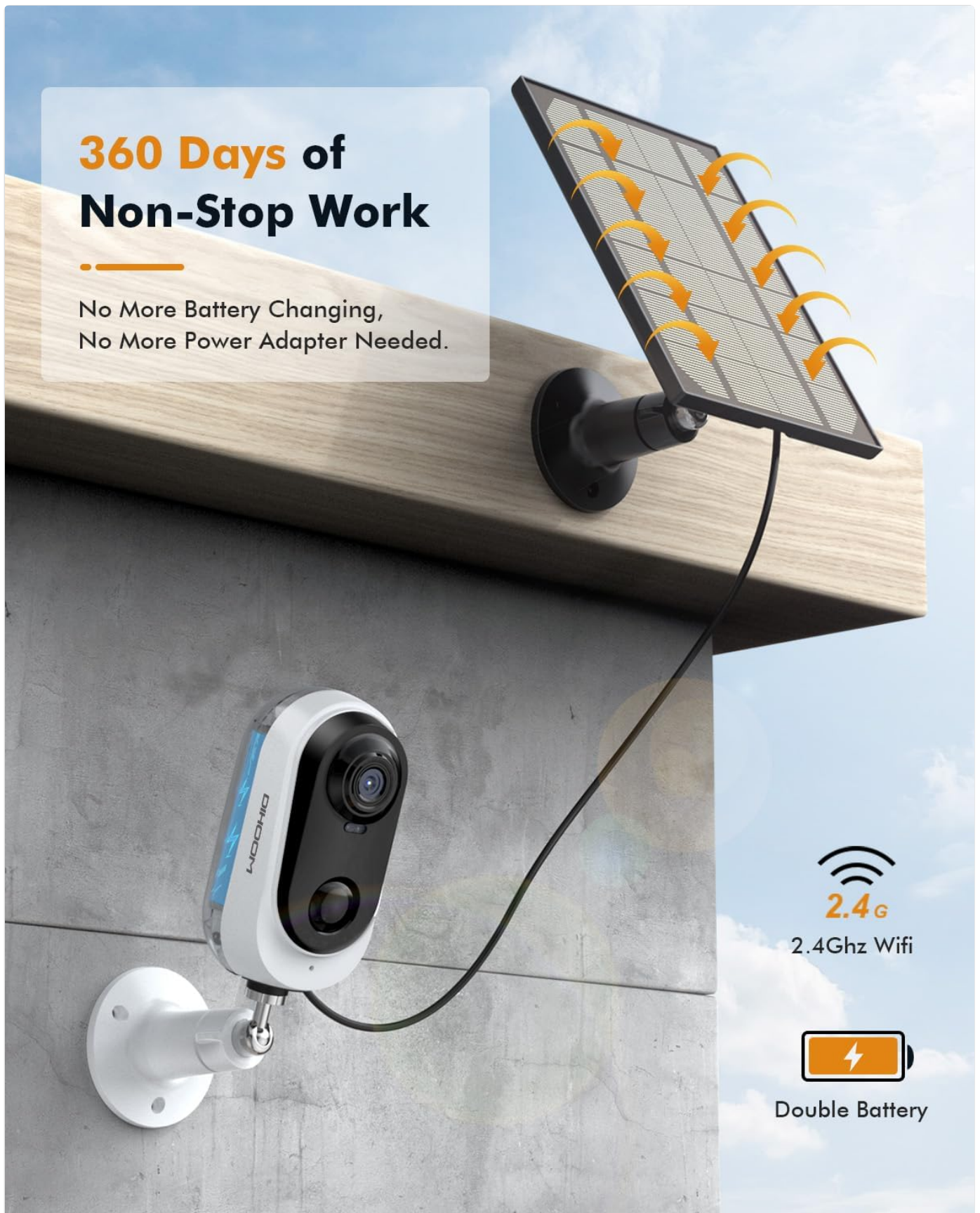
3.3 Mounting the Camera and Solar Panel

Select an optimal location for your camera and solar panel. For best performance, choose a spot that provides a clear view of the area you wish to monitor and receives ample direct sunlight for the solar panel.

1. Before permanent installation, use the live view feature in the CloudEdge app to determine the best angle and coverage for your camera.
2. Attach the camera to its white mounting bracket by screwing it into the base.
3. Mount the camera bracket securely to a wall or surface using the provided screws and wall plugs. Adjust the camera's angle as needed.
4. Attach the solar panel to its black mounting bracket.
5. Mount the solar panel bracket in a location that receives maximum direct sunlight throughout the day.
6. Connect the solar panel cable to the camera's charging port. Ensure the protective cover is securely closed after connection to maintain weather resistance.

360 Days of Non-Stop Work

No More Battery Changing,
No More Power Adapter Needed.



2.4Ghz Wifi



Double Battery

Image: The DIHOOM Solar Security Camera and its solar panel mounted on an exterior wall, demonstrating the continuous power supply for extended operation without manual recharging.

4. OPERATING INSTRUCTIONS

4.1 Video Quality and Night Vision

The camera captures video at a maximum resolution of 3 Megapixels (2K Full HD), providing clear and detailed images. It

features advanced night vision capabilities:

- **2K Color Night Vision:** When motion is detected, the integrated spotlight activates, enabling full-color video recording even in low-light conditions.
- **Infrared Night Vision:** For discreet surveillance, the camera also utilizes infrared technology, providing clear black-and-white video up to 32 feet in complete darkness.

2K Color Night Vision

Motion activate spotlight, deliver full-color night vision even in pitch dark.



Image: The DIHOOM camera highlighting its 2K Color Night Vision, with a scene depicting a person interacting with a dog in a low-light indoor setting, demonstrating the camera's ability to capture color in darkness.



2K FULL HD Resolution

Capture more vivid and colorful pictures and videos



Image: A visual comparison demonstrating the superior clarity and detail of 2K Full HD resolution compared to 1080p Full HD, as captured by the camera.

4.2 Two-Way Audio

The camera supports two-way audio communication, allowing you to hear and speak to visitors or deter intruders directly through the CloudEdge app. This feature is ideal for package deliveries or communicating with family members.

- To listen, ensure the speaker icon in the app's live view is enabled.

- To speak, press and hold the microphone icon in the app's live view and talk into your smartphone's microphone. Release to stop speaking.

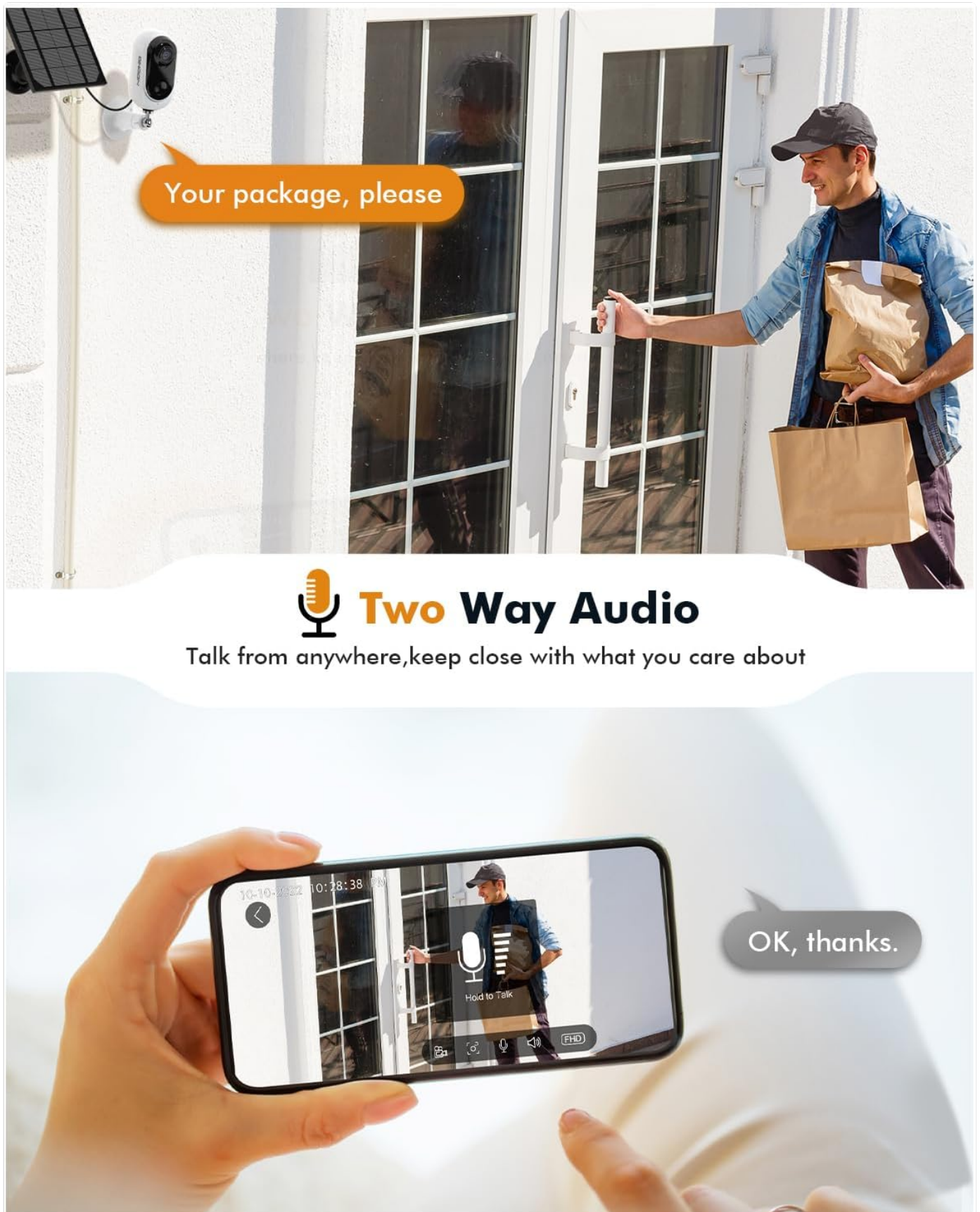


Image: A user demonstrating the two-way audio feature, communicating with a delivery person at their door via the camera and smartphone app.

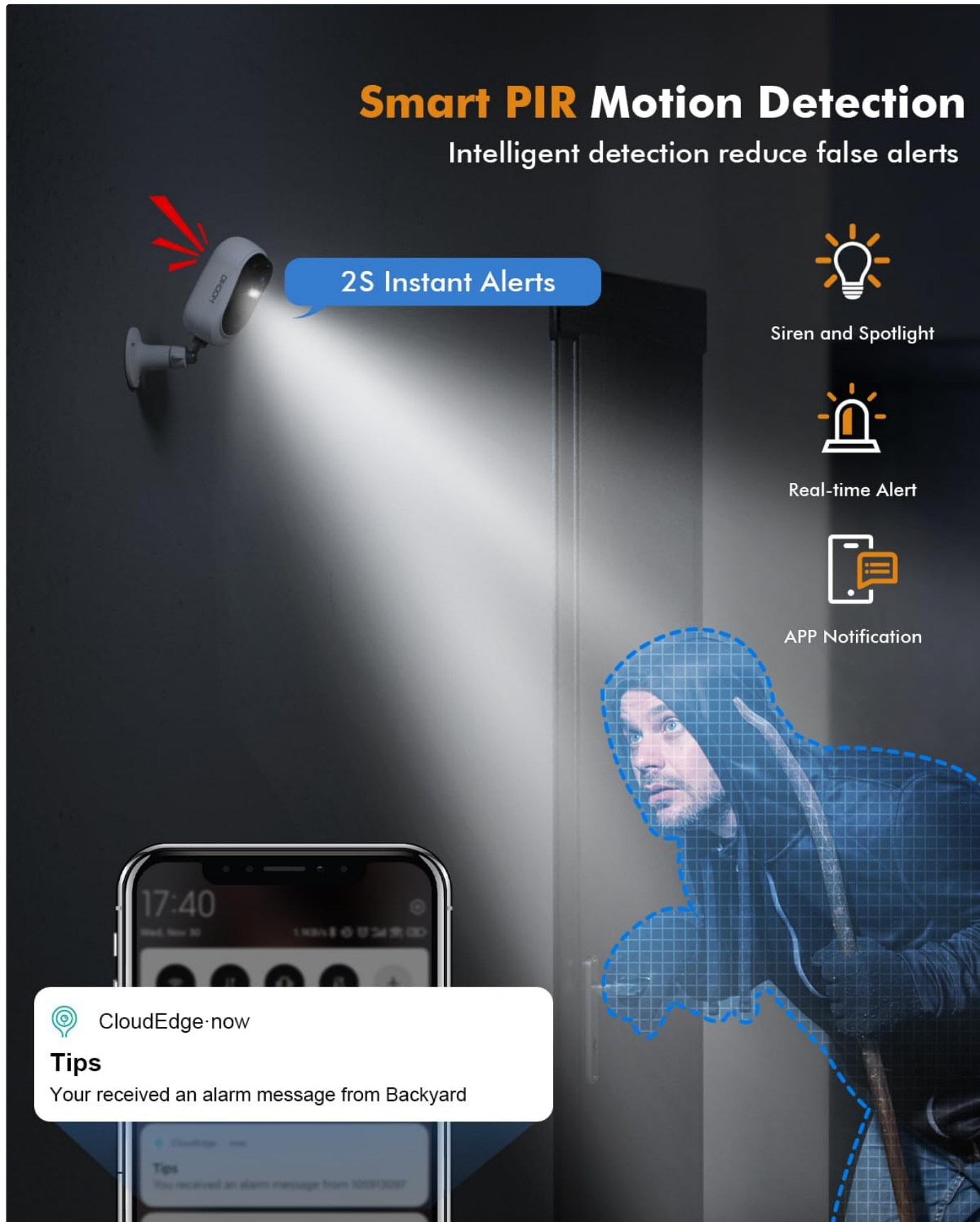
4.3 Smart PIR Motion Detection and Alerts

The camera is equipped with a Smart PIR (Passive Infrared) motion sensor that intelligently detects human movement,

reducing false alarms caused by environmental factors. Upon detection, the camera will:

- Send instant alerts to your smartphone via the CloudEdge app.
- Activate a siren and spotlight to deter unwanted visitors.
- Begin recording video footage of the event.

You can adjust the motion detection sensitivity within the app settings to optimize performance and minimize unnecessary notifications.



Smart PIR Motion Detection
Intelligent detection reduce false alerts

2S Instant Alerts

Siren and Spotlight

Real-time Alert

APP Notification

CloudEdge·now

Tips
Your received an alarm message from Backyard

The advertisement features a dark background with a white security camera mounted on a wall. Red arrows point to the camera's lens. A bright spotlight beam emanates from the camera, illuminating a person in a blue hoodie and mask who is holding a crowbar. The person is outlined with a blue dashed grid. In the bottom left, a smartphone screen displays the time 17:40 and a notification from CloudEdge·now. On the right side, three icons are stacked vertically: a lightbulb, a bell, and a smartphone with a speech bubble. Each icon is accompanied by a text label: 'Siren and Spotlight', 'Real-time Alert', and 'APP Notification'. A blue speech bubble with the text '2S Instant Alerts' is positioned near the camera.

Image: An illustration of the Smart PIR Motion Detection feature, showing the camera activating its spotlight and siren upon detecting an intruder, simultaneously sending an alert notification to a smartphone.

4.4 Storage and Power Management

The camera supports local storage via a microSD card (not included) for continuous recording or event-triggered footage. The solar panel ensures prolonged battery life, aiming for up to 360 days of non-stop operation under optimal sunlight conditions.

- Insert a microSD card (up to 128GB, Class 10 or higher recommended) into the designated slot under the protective cover.
- Monitor battery levels and solar charging status through the CloudEdge app.
- The app allows you to customize recording modes for optimal battery life or longer event recordings.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DIHOOM camera:

- **Cleaning:** Periodically wipe the camera lens and solar panel with a soft, damp cloth to remove dust, dirt, or debris that may obstruct the view or reduce charging efficiency. Avoid abrasive cleaners.
- **Firmware Updates:** Check the CloudEdge app regularly for available firmware updates. Keeping your camera's firmware up-to-date ensures access to the latest features and security enhancements.
- **Battery Health:** Monitor the battery status in the app. While solar-powered, extreme weather or prolonged periods of low sunlight may require occasional manual charging via the USB port.
- **Mounting Stability:** Periodically check the mounting brackets for both the camera and solar panel to ensure they remain securely fastened and have not loosened due to weather conditions.



Image: The DIHOOM camera and solar panel enduring rain, illustrating its robust design and IP65 weather resistance against sun, water, cold, and dust.

6. TROUBLESHOOTING

If you encounter issues with your DIHOOM camera, refer to the following common troubleshooting steps:

Problem	Possible Cause / Solution
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Problem	Possible Cause / Solution
Camera not connecting to Wi-Fi	<ul style="list-style-type: none"> ◦ Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz. ◦ Verify the Wi-Fi password is entered correctly in the app. ◦ Make sure the camera is within range of your Wi-Fi router. ◦ Try resetting the camera using the reset button (located under the protective cover next to the charging port).
Poor image quality / Blurry picture	<ul style="list-style-type: none"> ◦ Clean the camera lens with a soft cloth. ◦ Ensure there is no film or protective sticker remaining on the lens. ◦ Check for obstructions in the camera's field of view.
Frequent false motion alerts	<ul style="list-style-type: none"> ◦ Adjust the motion detection sensitivity settings in the CloudEdge app. ◦ Ensure the camera is not pointed at areas with constant movement (e.g., busy roads, swaying trees) if not intended.
Battery drains quickly	<ul style="list-style-type: none"> ◦ Ensure the solar panel is receiving adequate direct sunlight. ◦ Clean the solar panel regularly to maximize charging efficiency. ◦ Reduce the frequency of live view access or motion detection events if possible. ◦ Check app settings for power-saving modes.
No recording to SD card	<ul style="list-style-type: none"> ◦ Ensure a compatible microSD card is inserted correctly. ◦ Format the microSD card through the CloudEdge app. ◦ Check recording settings in the app to ensure recording is enabled.

7. SPECIFICATIONS

Feature	Detail
Model Number	US-A4S
Maximum Webcam Image Resolution	3 MP (2K Full HD)
Power Source	Solar Powered
Battery Type	1 Lithium Polymer battery (included)
Wattage	3.7 Watt-hours
Connectivity Technology	Wireless (Wi-Fi)
Wi-Fi Frequency	2.4GHz (Does not support 5GHz)
Field Of View	130 Degrees
Night Vision Range	32 Feet

Feature	Detail
Low Light Technology	Night Color (with spotlight)
Alert Type	Motion Only
International Protection Rating	IP65 (Sunproof, Waterproof, Cold resistance, Dustproof)
Mounting Type	Wall Mount
Item Dimensions (L x W x H)	6.06 x 11.5 x 8.5 inches
Item Weight	1.5 pounds
Compatible Devices	Smartphone (via CloudEdge app)
Recommended Uses	Outdoor Security

8. WARRANTY AND SUPPORT

DIHOOM products come with a standard manufacturer's warranty. For specific warranty details, technical support, or service inquiries, please refer to the contact information provided in your product packaging or visit the official DIHOOM website.

You can also find additional support and FAQs within the CloudEdge application.