

[Manuals.plus](#) /

› [HITELLARCAM](#) /

› HITELLARCAM CB54W 2K Wireless Outdoor Security Camera User Manual

HITELLARCAM CB54W

HITELLARCAM CB54W 2K Wireless Outdoor Security Camera User Manual

Model: CB54W

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your HITELLARCAM CB54W 2K Wireless Outdoor Security Camera. Please read this manual thoroughly before using the product to ensure proper function and safety.

The HITELLARCAM CB54W is a versatile security camera designed for both indoor and outdoor surveillance. It features 2K Ultra HD video, full-color night vision, dual-band Wi-Fi (2.4GHz & 5GHz) support, and a long-lasting rechargeable battery. Key functionalities include AI motion detection, two-way audio, spotlight, and siren alarm, all accessible via a dedicated mobile application.



Image: HITELLARCAM CB54W 2K Wireless Outdoor Security Camera shown alongside its mobile application interface, illustrating connectivity and remote monitoring capabilities.

2. WHAT'S IN THE BOX

Verify that all components are present before proceeding with installation.

- HITELLARCAM CB54W Security Camera
- Instruction Manual (this document)
- Mounting Screw Set
- Mounting Stand
- USB Charging Cable (Power adapter not included)

3. SETUP GUIDE

3.1 Initial Charging

Before first use, fully charge the camera's battery. Connect the camera to a 5V USB power adapter (not included) using the provided USB charging cable. A full charge typically takes several hours. The indicator light on the camera will change to indicate charging status.



Image: The security camera connected to a power adapter for initial charging.

3.2 App Download and Account Creation

1. Download the official HITELLARCAM 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.

3.3 Camera Connection to Wi-Fi

The CB54W supports both 2.4GHz and 5GHz Wi-Fi networks for flexible and stable connectivity.

1. Ensure your smartphone is connected to the Wi-Fi network you intend to use for the camera.
2. In the HITELLARCAM app, select 'Add Device' and follow the pairing instructions. This typically involves scanning a QR code displayed on your phone with the camera lens.
3. The camera will connect to your chosen Wi-Fi network. A voice prompt or indicator light will confirm successful connection.

Dual Band WiFi

2.4GHz & 5GHz WiFi



Image: The security camera highlighting its compatibility with both 2.4GHz and 5GHz Wi-Fi networks.

3.4 Mounting Instructions

The camera can be mounted on a wall or ceiling using the provided stand and screws.

1. Choose a suitable location for optimal surveillance coverage, ensuring good Wi-Fi signal strength.
2. Use the mounting plate as a template to mark drill holes.
3. Drill holes and insert wall anchors if necessary.
4. Secure the mounting plate with screws.
5. Attach the camera to the mounting plate and adjust the angle as desired. Tighten the nut to secure the camera's position.

4. OPERATING INSTRUCTIONS

4.1 Video Quality and Night Vision

The camera captures video in 2K Ultra HD resolution, providing clear and detailed images. It features advanced full-color night vision, utilizing built-in LED lights to deliver vivid color images even in low-light or complete darkness.

Ultra 2K HD & Color Night Vision

Provide Super HD Pictures Day and Night



Image: A smartphone screen showing a high-definition, full-color image captured by the camera at night, demonstrating its 2K HD and color night vision capabilities.

4.2 Storage Options

The camera offers flexible storage solutions:

- **Free Cloud Storage:** Enjoy complimentary cloud storage for your recordings. Note that the free plan typically offers standard definition (SD) quality; high definition (HD) may require a paid subscription.
- **Local SD Card Storage:** The camera supports local storage via an SD card (up to 256GB, not included). Insert a compatible SD card into the designated slot on the camera.

Dual Storage Options



Up to **256GB** Storage
(SD card not included)



Cloud storage
(**Free**)



Image: The security camera illustrating its dual storage options: free cloud storage and local SD card support up to 256GB.

4.3 Battery Life

The camera is powered by a high-capacity rechargeable battery, offering up to 6 months of operation depending on usage. Factors such as motion detection frequency, recording mode, and environmental temperature can affect battery performance. For optimal battery life, consider adjusting motion detection sensitivity and recording settings within the app.

100% Wire-Free Battery-Powered

5200mAh



Image: An illustration showing the internal 5200mAh battery of the wire-free security camera.

4.4 Smart Motion Detection and Alerts

Equipped with AI motion detection, the camera accurately identifies movement, reducing false alarms. When suspicious activity is detected, you will receive instant notifications on your smartphone. The camera can also activate a spotlight and siren alarm as a deterrent.

Effective Deterrent Against Intruders

Real-time alert message to your phone



Built-in Siren



Two-Way Talk



Motion Spotlights

Your are under surveillance!



PIR Motion Detection

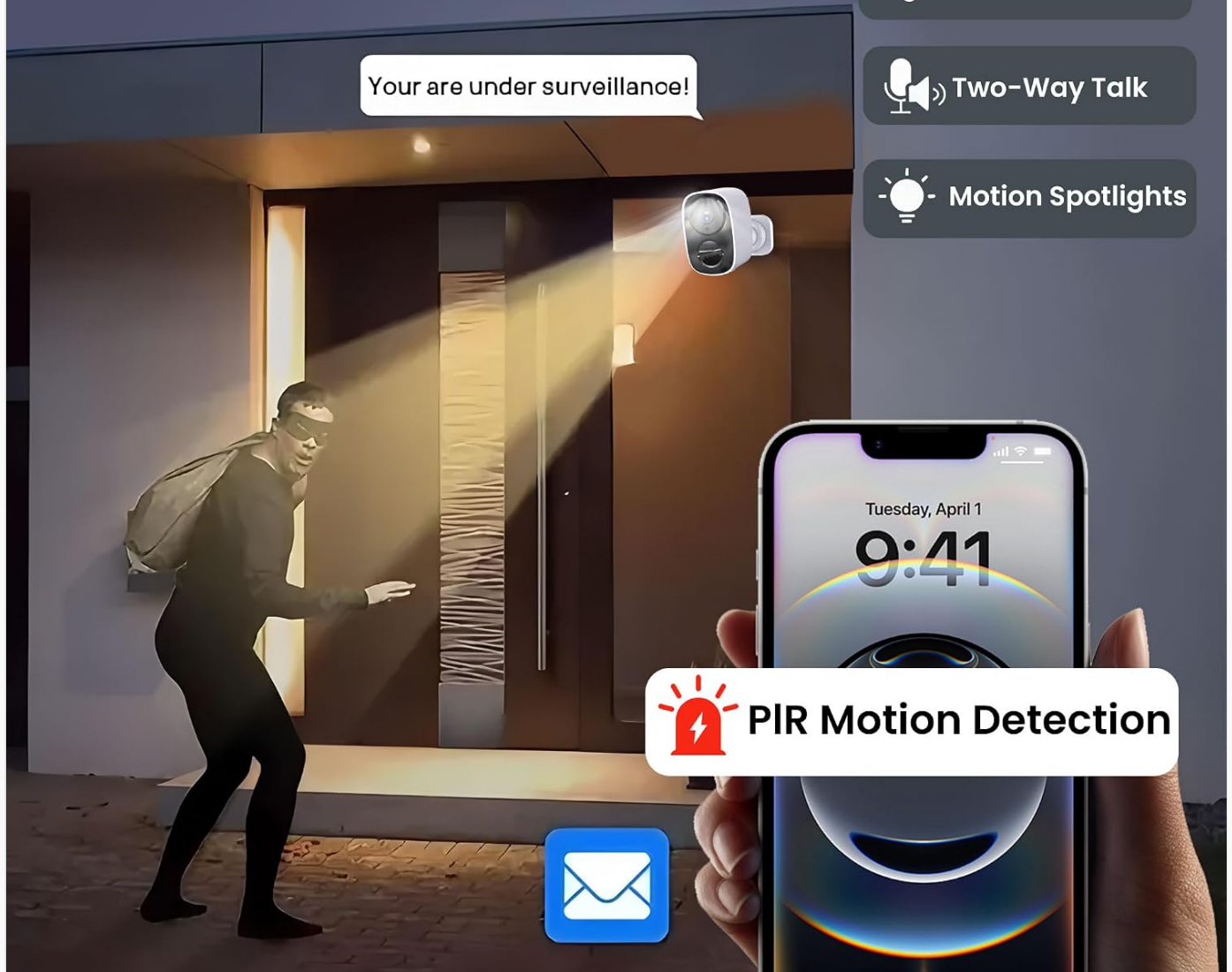


Image: A scene depicting the security camera's spotlight activating on an intruder, with a smartphone showing a real-time PIR motion detection alert.

4.5 Two-Way Audio

The built-in microphone and speaker enable real-time two-way communication through the app. This allows you to speak to visitors, delivery personnel, or deter intruders remotely.

4.6 Weatherproof Design

The camera boasts an IP66 weatherproof rating, making it resistant to rain, sun, and snow. It is designed to operate reliably in various outdoor conditions.

100% Wireless & IP66 Weatherproof

Install wire-free with battery powered



Rainproof



Sunproof



Snowproof

Image: The security camera installed outdoors during rainfall, highlighting its IP66 weatherproof and wireless capabilities.

5. MAINTENANCE

5.1 Battery Management

- Regularly check the battery level via the mobile app.
- Recharge the camera promptly when the battery is low to ensure continuous operation.
- Avoid exposing the camera to extreme temperatures during charging, as this can affect battery life.

5.2 Cleaning

- Gently wipe the camera lens and body with a soft, damp cloth to remove dust and dirt.
- Do not use harsh chemicals or abrasive cleaners, as these can damage the camera's finish or lens.

5.3 SD Card Management

- If using an SD card for local storage, periodically check its capacity through the app.
- Format the SD card regularly to maintain optimal recording performance and free up space.

6. TROUBLESHOOTING

- **Camera Not Connecting to Wi-Fi:**
Ensure your Wi-Fi network is 2.4GHz or 5GHz. Check that the camera is within range of your router. Restart both the camera and your router. Verify the Wi-Fi password entered in the app is correct.
- **Poor Video Quality:**
Check your Wi-Fi signal strength. A weak signal can affect video streaming quality. Ensure the camera lens is clean and free from obstructions.
- **Frequent False Alarms:**
Adjust the motion detection sensitivity settings in the app. Ensure the camera is not pointed at areas with constant movement (e.g., busy roads, swaying trees) if not desired.
- **Short Battery Life:**
Battery life is affected by the frequency of motion detection, live view access, and environmental temperature. Reduce motion detection sensitivity or frequency of live viewing. Ensure the camera is fully charged.
- **Two-Way Audio Issues:**
Ensure your phone's microphone and speaker are enabled for the app. Check the camera's microphone and speaker for any physical obstructions.

7. SPECIFICATIONS

Feature	Detail
Model Name	CB54W
Video Capture Resolution	2K (2304 Effective Video Resolution)
Connectivity Technology	Wireless (Wi-Fi 2.4GHz & 5GHz)
Power Source	Battery Powered (5200 mAh)
Indoor/Outdoor Usage	Indoor, Outdoor
Water Resistance Level	Waterproof (IP66)
Night Vision Range	8 Meters
Frame Rate	30 frames per second
Storage Support	Cloud Storage, Local SD Card (up to 256GB)
Control Method	App (HITELLARCAM App)
Dimensions (L x W x H)	2.13 x 3 x 2 inches
Item Weight	12 ounces (0.34 Kilograms)
Material	Acrylonitrile Butadiene Styrene (ABS)
Compatible Devices	Amazon Alexa

8. WARRANTY AND SUPPORT

8.1 Warranty Information

HITELLARCAM offers a **2-year return policy** for this product. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, concerns, or technical assistance, please contact our 24/7 online customer support. Your satisfaction is our priority.

Contact information can typically be found within the HITELLARCAM mobile application or on the official HITELLARCAM website.

A Brand You Can Trust



**High quality
Innovative Products**



**Excellent
Customer Service**



**2 Years
Return policy**

Image: HITELLARCAM customer support team ready to assist, emphasizing product quality, service, and warranty.

© 2025 HITELLARCAM. All rights reserved.

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

Answered questions about this manual

Does the HITELLARCAM CB54W security camera include free unlimited cloud storage for the life of the product?

The HITELLARCAM CB54W does include a free cloud storage option, but it is not "unlimited" in terms of video quality. According to the product manual and specifications:Free Plan: You can enjoy complimentary cloud storage...

[Read full answer](#)

How many HITELLARCAM CB54W cameras can I effectively add on the HITELLARCAM iPhone app?

The official documentation for the HITELLARCAM CB54W does not specify a hard limit on the number of cameras that can be added to the HITELLARCAM app. However, based on standard industry practices for similar...

[Read full answer](#)