

## REOLINK RLC-510WA

# REOLINK RLC-510WA Outdoor WiFi Security Camera User Manual

Model: RLC-510WA | Brand: REOLINK

## 1. INTRODUCTION

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This manual provides essential information for the installation, configuration, and operation of your REOLINK RLC-510WA Outdoor WiFi Security Camera. This 5MP HD camera features dual-band Wi-Fi connectivity, smart person/vehicle/animal detection, and an IP67 weatherproof rating, making it suitable for various outdoor surveillance needs. Please read this manual thoroughly before use to ensure proper setup and functionality.



*Image 1.1: REOLINK RLC-510WA Outdoor WiFi Security Camera.*

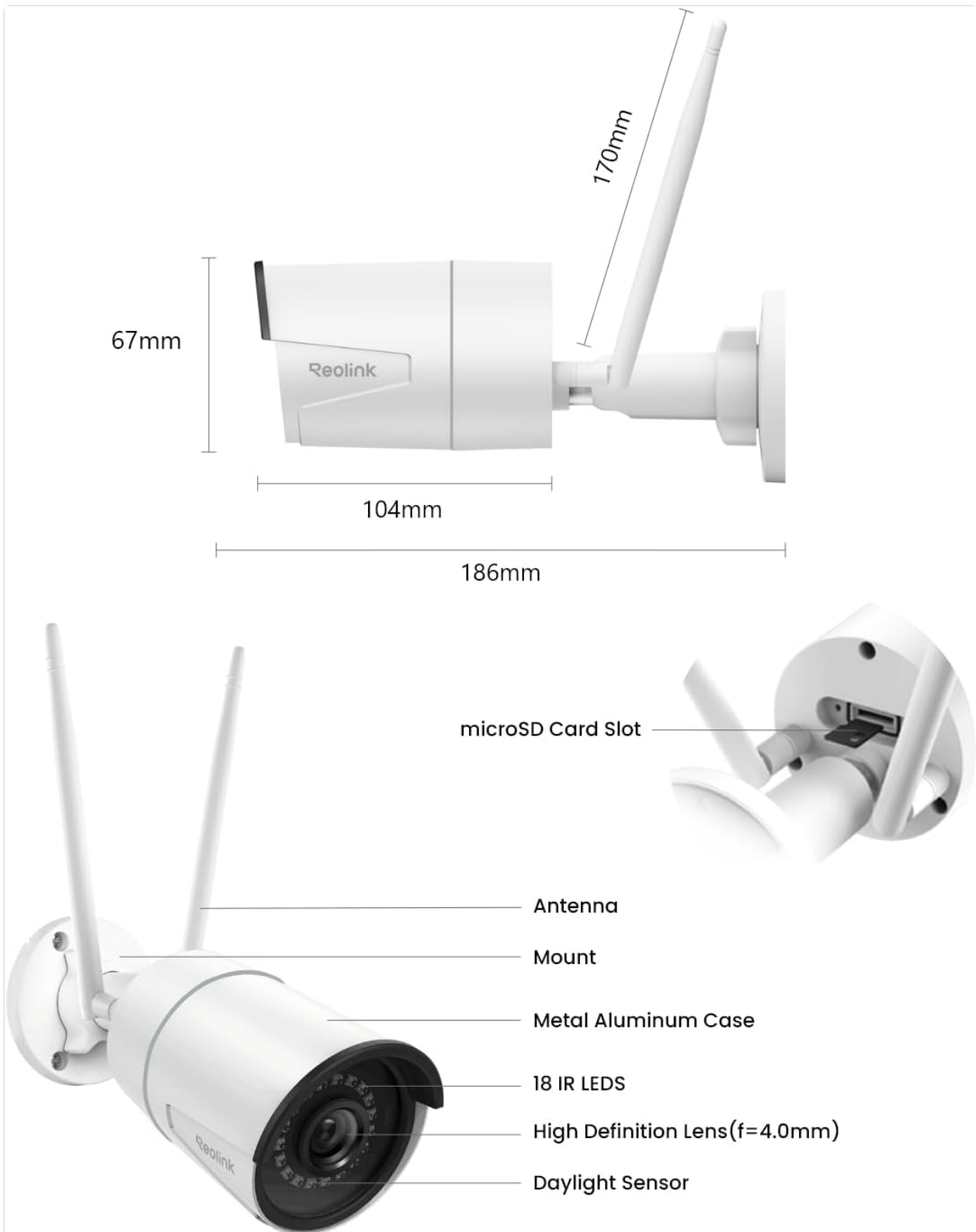
## **2. WHAT'S IN THE BOX**

Verify that all components are present in your package:

- Camera (1 unit)
- Power Adapter (1 unit)
- 4.5m Power Extension Cable (1 unit)
- 1m Network Cable (1 unit)
- Quick Start Guide (1 unit)

### 3. PRODUCT OVERVIEW

Familiarize yourself with the physical components of your RLC-510WA camera:



*Image 3.1: Diagram illustrating the camera's dimensions and key components including antennas, mount, metal aluminum case, IR LEDs, high definition lens, daylight sensor, and microSD card slot.*

- **Antenna:** For Wi-Fi signal reception.
- **Mount:** Adjustable bracket for wall or ceiling installation.
- **Metal Aluminum Case:** Durable housing for outdoor protection.
- **18 IR LEDs:** Provide infrared illumination for night vision.
- **High Definition Lens (f=4.0mm):** Captures 5MP video.
- **Daylight Sensor:** Detects ambient light to switch between day and night modes.
- **microSD Card Slot:** Supports local storage up to 512GB (card not included).

## 4. SETUP

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Follow these steps for initial setup of your REOLINK RLC-510WA camera:

### 1. Power and Network Connection:

Connect the camera to the power adapter and plug it into an electrical outlet. Connect the camera to your router using the provided network cable for initial setup. Ensure your router is powered on and functioning correctly.

# Smart Person/Vehicle/ Animal Detection



Humans



Vehicle



Animals

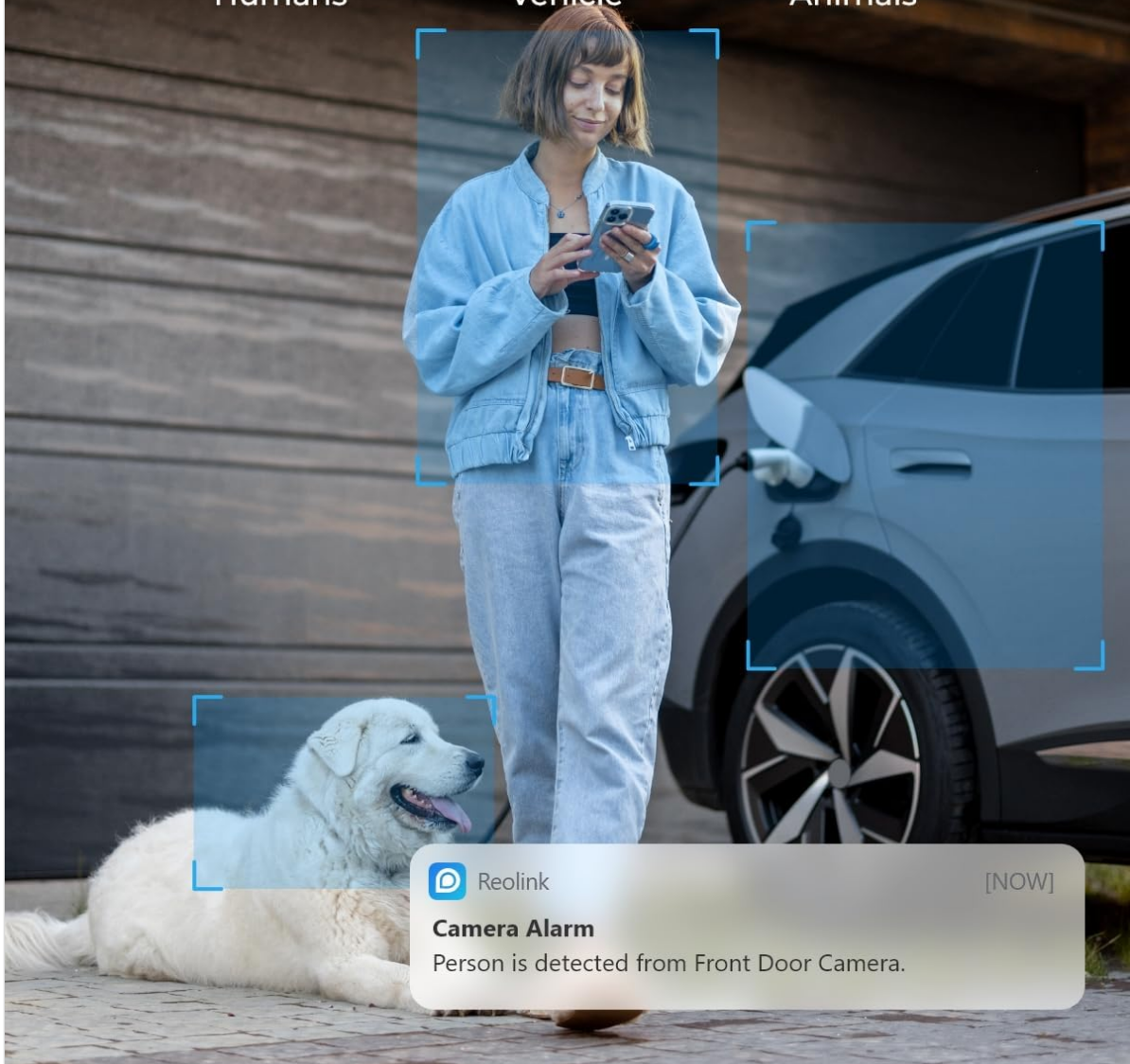


Image 4.1: The camera connected to power and a router via an Ethernet cable for initial configuration.

## 2. Download Reolink App:

Download the official Reolink App from your mobile device's app store (available for iOS and Android). Search for "Reolink" and install the application.

## 3. Add Camera to App:

Open the Reolink App. Tap the "+" icon in the top right corner to add your camera. Follow the on-screen instructions to scan the QR code on the camera or manually enter its UID. Complete the network configuration within the app to connect the camera to your Wi-Fi network.

## 5. OPERATING INSTRUCTIONS

### 5.1. Live View and Recording

Once connected, you can access the live video feed from your camera via the Reolink App or desktop client. The camera supports continuous recording, motion-triggered recording, and scheduled recording. Configure these options in the app settings.

## 5.2. Smart Detection

The RLC-510WA features advanced smart detection capabilities, distinguishing between persons, vehicles, and animals. This reduces false alarms and ensures you receive relevant notifications.



*Image 5.1: The camera's smart detection feature identifying a person, vehicle, and animal, with an alert notification displayed on a smartphone.*

## 5.3. Dual-Band WiFi Connectivity

The camera supports both 2.4 GHz and 5 GHz Wi-Fi bands. The 2.4 GHz band offers a wider range, while the 5 GHz band provides faster data speeds and less interference. Choose the band that best suits your installation environment for optimal performance.

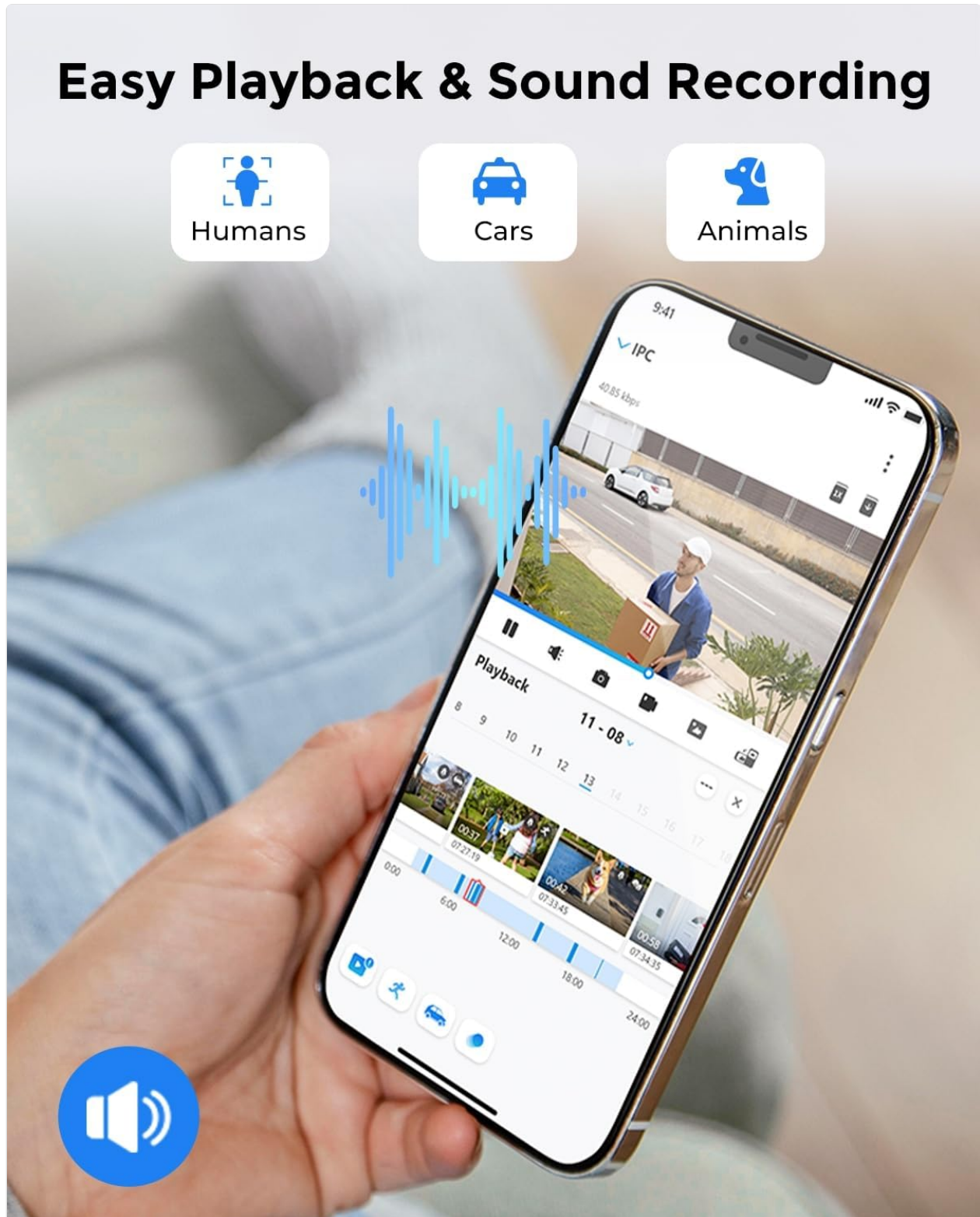


Image 5.2: Illustration of dual-band Wi-Fi coverage, showing 2.4 GHz for long transmission distance and 5 GHz for fast data speed.

#### 5.4. Playback and Sound Recording

Review recorded footage easily with the playback function. You can filter video clips by detected events (person, vehicle, animal) to quickly find important moments. The camera also captures sound, adding an additional layer of information to your recordings.

## Multiple Storage Options



Up to  
**512GB**

**microSD Card**

(Not Included)

Works with  
Reolink NVR



Work with FTP



*Image 5.3: A smartphone screen displaying the Reolink app's playback interface, showing a timeline with event markers for humans, cars, and animals, along with sound recording indicators.*

### 5.5. Multiple Storage Options

Your RLC-510WA camera offers flexible storage solutions:

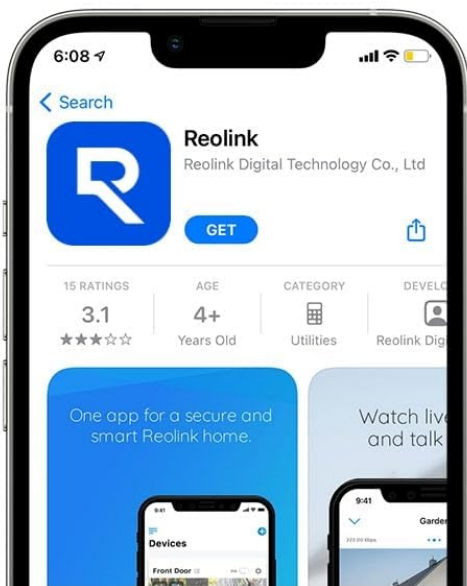
- **microSD Card:** Supports up to 512GB (not included) for local storage.
- **Reolink NVR:** Compatible with Reolink Network Video Recorders for 24/7 continuous recording.
- **FTP Server:** Upload recorded footage to an FTP server for remote backup.

# Easy Installation & Setup

## 01. Powered & wired-connected to router



## 02. Download Reolink App



## 03. Tap the "+" icon to add the camera



Image 5.4: Visual representation of the camera's storage options, including a microSD card slot, compatibility with a Reolink NVR for 24/7 recording, and FTP server integration.

## 6. MAINTENANCE

### 6.1. Weatherproofing

The RLC-510WA camera has an IP67 weatherproof rating, ensuring protection against dust and water immersion. It is designed to operate in a wide temperature range, from -10°C (14°F) to 55°C (131°F).

# IP67 Weatherproof

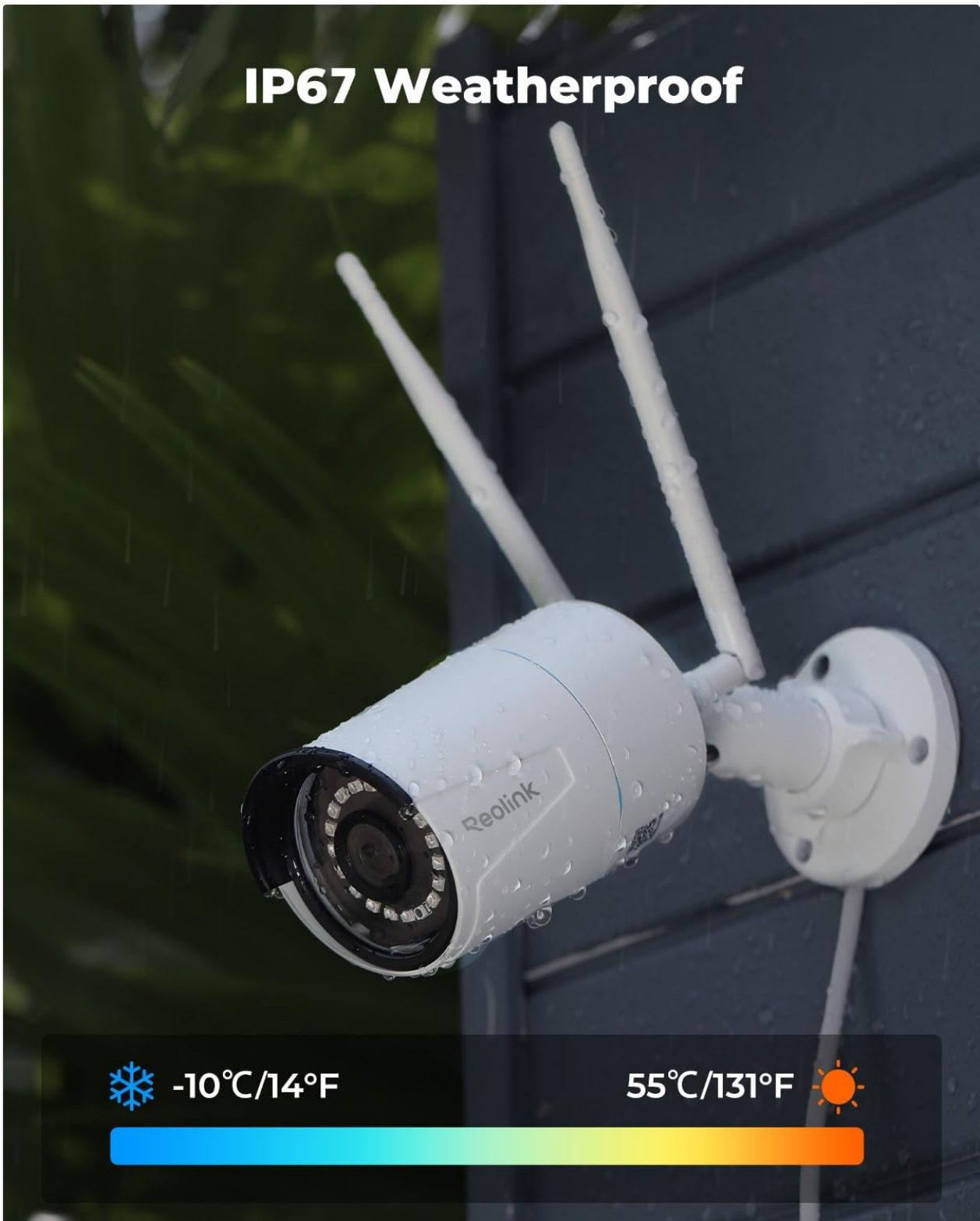


Image 6.1: The camera installed outdoors, demonstrating its IP67 weatherproof rating and operating temperature range.

## 6.2. Cleaning

Periodically clean the camera lens with a soft, damp cloth to ensure clear image quality. Avoid using harsh chemicals or abrasive materials that could scratch the lens or housing.

## 7. TROUBLESHOOTING

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

- **No Power:**

Ensure the power adapter is securely connected to the camera and a working electrical outlet. Check the power cable for any damage.

- **Wi-Fi Connectivity Issues:**

Verify that your router is functioning and the Wi-Fi signal strength is adequate at the camera's location. Try moving the camera closer to the router or using a Wi-Fi extender. Ensure you are connecting to the correct 2.4 GHz or 5 GHz band as configured in the app.

- **Poor Image Quality:**

Clean the camera lens. Check for obstructions in the camera's field of view. Ensure the camera is receiving sufficient power. Adjust video settings (resolution, bitrate) in the Reolink App.

- **Motion Detection Not Working/Too Sensitive:**

Adjust the sensitivity settings in the Reolink App. Configure detection zones to exclude areas with irrelevant motion (e.g., swaying trees). Ensure the smart detection feature (person/vehicle/animal) is enabled as desired.

- **Cannot Access Camera Remotely:**

Ensure your camera is connected to the internet and your mobile device has a stable internet connection. Check firewall settings on your router if you have custom configurations.

For further assistance, please visit the REOLINK support website or contact customer service.

## 8. SPECIFICATIONS

Feature	Specification
Model Name	RLC-510WA
Video Capture Resolution	5 MP
Frame Rate	30fps
Connectivity Technology	Wi-Fi 5 (2.4/5GHz Dual-Band)
Night Vision Range	100 Feet (with 18 IR LEDs)
Alert Type	Person/Vehicle/Animal/Motion Detection
Indoor/Outdoor Usage	Outdoor
International Protection Rating	IP67 (Waterproof)
Power Source	Corded Electric (12 Volts, 12 watts)
Compatible Devices	Desktop, Laptop, Smartphone, Tablet
Controller Type	App Control, Reolink NVR Control
Mounting Type	Wall/Ceiling Mount
Viewing Angle	100 Degrees
Material	Metal
Flash Memory Type	up to 512GB MicroSD (not included)
Item Dimensions (L x W x H)	7.32 x 2.64 x 2.64 inches

Feature	Specification
Item Weight	1.76 pounds

## 9. WARRANTY AND SUPPORT

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REOLINK products typically come with a limited warranty. Please refer to the warranty card included in your package or visit the official REOLINK website for detailed warranty terms and conditions specific to your region.

For technical support, troubleshooting, or any inquiries regarding your RLC-510WA camera, please contact REOLINK customer support through their official website:

[Visit REOLINK Support](#)