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› Septekon 360°PTZ Security Cameras Wireless Outdoor User Manual

## Septekon 821RTD

# Septekon 360°PTZ Security Cameras Wireless Outdoor User Manual

Model: 821RTD

Brand: Septekon

## 1. INTRODUCTION

Thank you for choosing the Septekon 360°PTZ Security Cameras. This manual provides detailed instructions for the installation, operation, and maintenance of your new wireless outdoor security camera system. Designed for ease of use and robust performance, these cameras offer 2K resolution, solar power capabilities, and advanced detection features to enhance your home security.



Image: Two Septekon 360°PTZ Security Cameras with their accompanying solar panels, showcasing the complete product package.

## 2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package:

- Solar security camera x 1
- Bracket for camera x 1
- Solar panel x 1
- Bracket for solar panel x 1
- Screws bags x 1

## 3. KEY FEATURES

- **Solar Powered & Wire-Free:** Designed for easy installation without the need for wires, powered by a rechargeable battery and continuous solar energy.

- **2K 3MP Live Video & Color Night Vision:** Provides crystal-clear 2K Full HD resolution with built-in IR and white lights for vivid color night vision.
- **360° Full View & IP66 Waterproof:** Offers 345° horizontal and 90° vertical rotation for comprehensive coverage, and is built to withstand extreme weather conditions.
- **PIR Motion Sensor with Spotlights and Siren:** Advanced PIR sensor detects human presence, sending instant notifications, recording video/audio, and activating an alarm and spotlight.
- **Easy Setup & Dual Storage Options:** Connects via stable 2.4Ghz WiFi (5G not supported) and offers both encrypted cloud and SD card storage for event recordings.

## 4. SETUP GUIDE

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### 4.1. Mounting the Camera and Solar Panel

Choose a suitable location for your camera and solar panel. Ensure the solar panel receives adequate direct sunlight throughout the day for optimal charging. The camera can be wall-mounted or ceiling-mounted.

1. Mark the drilling points using the camera and solar panel brackets.
2. Drill holes and insert wall anchors if necessary.
3. Securely attach the camera bracket and solar panel bracket to the wall or ceiling using the provided screws.
4. Attach the camera to its bracket and the solar panel to its bracket.
5. Connect the solar panel cable to the camera's charging port.

# 360° Panoramic View

Full coverage of your house.



Image: A Septekon security camera mounted on an exterior wall, connected to its solar panel for continuous power.

## 4.2. Initial Charging and Power

Before first use, it is recommended to fully charge the camera's built-in battery using the solar panel or a 5V USB adapter. The camera is designed for continuous operation with sufficient sunlight.

# Solar & Battery Powered

100% Wireless, Continuous Solar Power.



Image: An illustration demonstrating how the solar panel captures sunlight and charges the camera's 5000mAh rechargeable battery, ensuring 365 days of solar-powered operation.

## 4.3. App Download and Pairing

To control and monitor your camera, download the official Septekon app on your smartphone or tablet. The camera connects via 2.4Ghz WiFi only (5G networks are not supported).

1. Scan the QR code in the manual or search for the Septekon app in your device's app store.
2. Create an account and log in.
3. Follow the in-app instructions to add your new camera. This typically involves powering on the camera and scanning a QR code displayed on your phone with the camera's lens.

4. Ensure your phone is connected to a 2.4Ghz WiFi network during the pairing process.

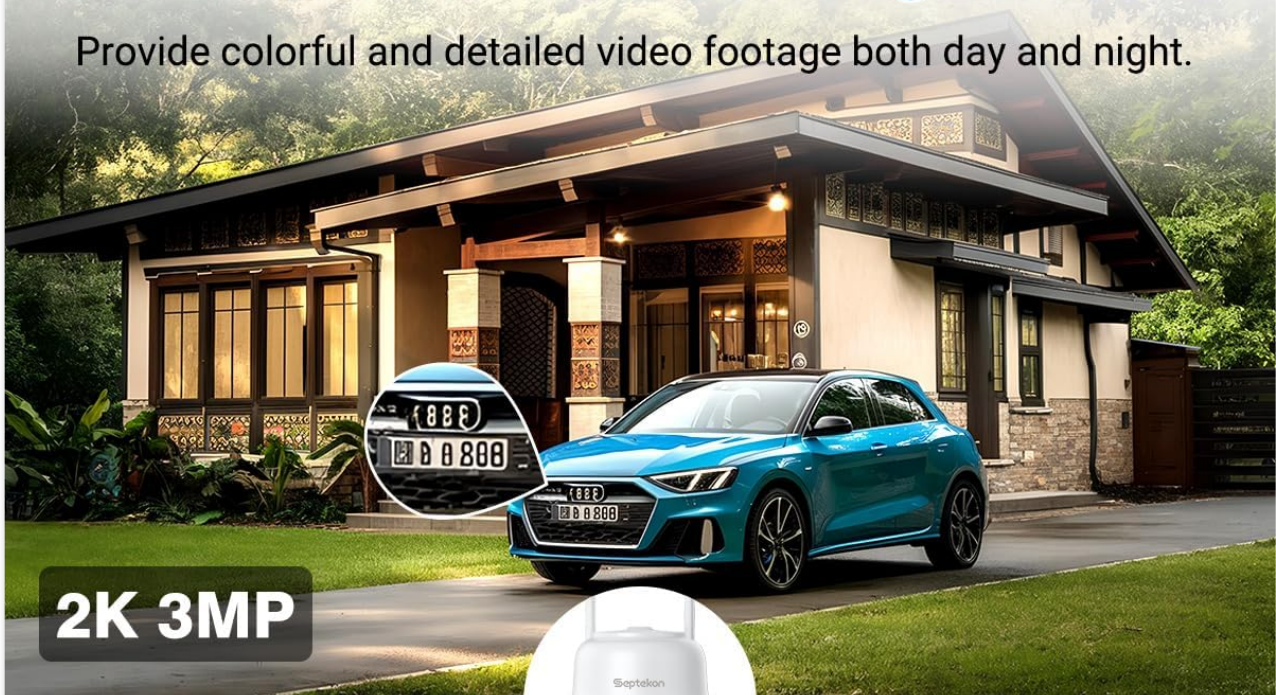
## 5. OPERATION

### 5.1. App Control and Live View

Once paired, you can access the live feed from your camera through the Septekon app. The app allows for full control over the camera's pan (345° horizontal) and tilt (90° vertical) functions, providing a 360° panoramic view of your property. Digital zoom is also available.

## 2K Resolution & Color Night Vision

Provide colorful and detailed video footage both day and night.



**2K 3MP**



**Color Night Vision Mode**

**Infrared Night Vision Mode**

Image: A smartphone screen showing the live view from the camera with directional arrows, illustrating the 360° panoramic view capability and remote control.

## 5.2. Motion Detection and Alerts

The camera is equipped with an advanced PIR (Passive Infrared) motion sensor that accurately detects human presence. When motion is detected, the camera will:

- Send instant alarm notifications to your smartphone.
- Record alarm video and audio.
- Activate an audible siren.
- Turn on the built-in spotlight to deter intruders.

# Encrypted Cloud & SD Card Storage

Watch, download and share your recording anywhere, anytime.



Encrypted Cloud



SD Card Storage



Image: A visual representation of the camera's motion detection features, including human detection, siren activation, app alerts, and spotlight illumination to deter unwanted visitors.

### 5.3. Night Vision Modes

The camera offers two night vision modes for clear monitoring in low-light conditions:

- **Infrared Night Vision:** Provides clear black and white footage in complete darkness.
- **Color Night Vision:** Utilizes the built-in white lights to provide full-color video footage at night. This feature must be manually activated in the app.



Image: A comparison showing the clarity of 2K 3MP resolution and the difference between color night vision mode (vibrant colors) and infrared night vision mode (monochrome) in low light.

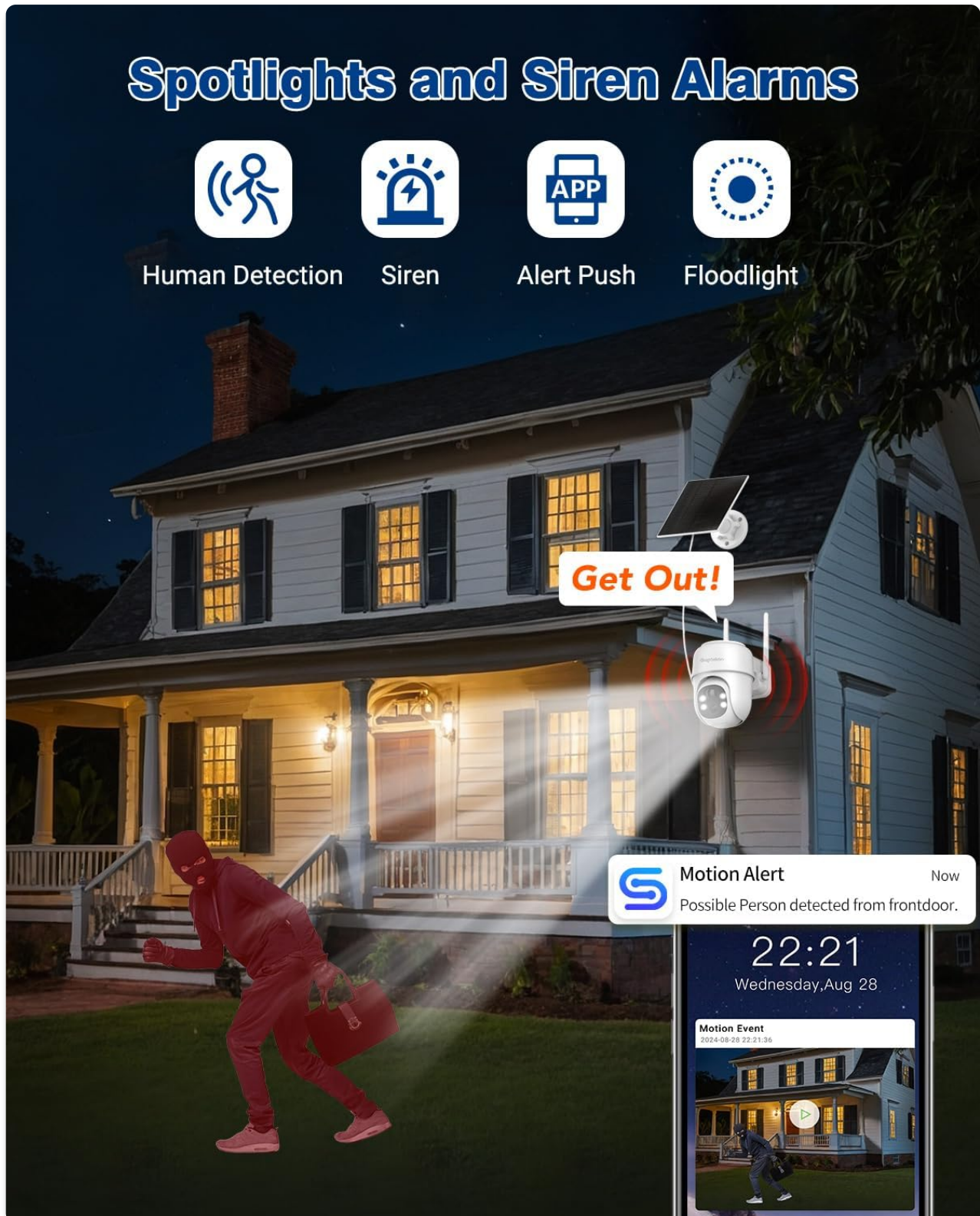
## 5.4. Two-Way Audio

The integrated microphone and speaker allow for two-way communication. You can listen to what's happening around the camera and speak through the camera using the app, which is useful for communicating with visitors or deterring suspicious activity.

## 5.5. Storage Options

Your event recordings can be stored using two methods:

- **Encrypted Cloud Storage:** Securely store your footage in the cloud, accessible from anywhere.
- **SD Card Storage:** Insert a microSD card (up to 128GB) into the camera for local storage.



**Spotlights and Siren Alarms**

Human Detection   Siren   Alert Push   Floodlight

**Get Out!**

**S** Motion Alert Now  
Possible Person detected from frontdoor.

22:21  
Wednesday, Aug 28

Motion Event  
2024-08-28 22:21:36

The advertisement features a night scene of a two-story house with a porch. A burglar in a red suit is running away from the house. A white security camera is mounted on the porch, emitting a red laser beam and a siren sound. A speech bubble above the camera says "Get Out!". Below the camera, there is a notification banner for a motion alert. In the bottom right corner, there is a smartphone screen showing the time 22:21, the date Wednesday, Aug 28, and a motion event notification with a play button icon over a video thumbnail of the burglar.

Image: A visual representation of the camera's IP66 waterproof rating, showing it enduring rain, snow, and wind, alongside icons for encrypted cloud and SD card storage options.

## 6. MAINTENANCE

- **Cleaning:** Periodically wipe the camera lens and solar panel with a soft, damp cloth to ensure clear vision and efficient solar charging. Avoid abrasive cleaners.
- **Solar Panel Efficiency:** Ensure the solar panel is free from obstructions (e.g., leaves, dirt) that might block sunlight.
- **Firmware Updates:** Regularly check the app for available firmware updates to ensure optimal performance and security.
- **Battery Health:** While solar-powered, extreme prolonged periods without sunlight may require manual charging via USB.

## 7. TROUBLESHOOTING

- **Camera Not Connecting to WiFi:** Ensure your WiFi network is 2.4Ghz. Check WiFi signal strength at the camera's location. Restart your router and the camera.
- **Poor Image Quality:** Clean the camera lens. Ensure there are no obstructions in the camera's field of view. Check network stability.
- **Battery Not Charging:** Verify the solar panel is connected correctly and receiving direct sunlight. Clean the solar panel surface. Ensure ambient temperature is within operating range (-40°F to 140°F).
- **Motion Detection Not Working:** Check motion detection settings in the app. Ensure the PIR sensor is not obstructed. Adjust sensitivity if needed.
- **App Notifications Not Received:** Check app notification settings on your phone and within the Septekon app. Ensure your phone has an active internet connection.

## 8. SPECIFICATIONS

Feature	Detail
Indoor/Outdoor Usage	Outdoor
Compatible Devices	Laptop, Desktop, Tablet, Smartphone
Power Source	Battery & Solar Powered
Connectivity Protocol	Wi-Fi (2.4Ghz)
Controller Type	App
Mounting Type	Wall Mount
Video Capture Resolution	3 MP (2K)

Color	White
Number of Items	2
Included Components	Solar security camera x 1, Bracket for camera x 1, Solar panel x 1, Bracket for solar panel x 1, Screws bags x 1
Viewing Angle	95 Degrees
Night Vision Range	25 Feet
Material	Plastic
Voltage	5 Volts
Wattage	5 watts
Item dimensions L x W x H	5.12 x 8 x 5.8 inches
Batteries Required?	Yes (2 Lithium Polymer batteries included)
Battery Power	5000 Milliamp Hours
Focus Type	Auto Focus
Zoom Type	Digital Zoom
Zoom Ratio	4
Alert Type	Audio and Motion
Video Capture Format	MPEG-4
Specific Uses For Product	360 Degree Coverage, Apartment Camera, Home Security, Outdoor Security, Surveillance
Unit Count	2.0 Count
International Protection Rating	IP66
Item Weight	3.91 pounds
Product Dimensions	5.12 x 8 x 5.8 inches
Model Number	821RTD
Manufacturer	Shenzhen Smart-eye Digital Electronics Co.,Ltd

## 9. WARRANTY AND SUPPORT

Septekon products come with a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact Septekon customer support directly. If you encounter any issues or have questions not covered in this manual, please reach out to our support team via the contact information provided on the official Septekon website or through your purchase platform.

