

[Manuals.plus](#) /

› [lifoarey](#) /

› Lifoarey 5MP Outdoor CCTV Camera User Manual

## Lifoarey RL-XE965DS-PB3564

# Lifoarey 5MP Outdoor CCTV Camera User Manual

Model: RL-XE965DS-PB3564

Brand: Lifoarey

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Lifoarey 5MP Outdoor CCTV Camera. Designed for robust surveillance, this camera offers high-definition video, versatile compatibility, and durable construction for both indoor and outdoor environments. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

## PACKAGE CONTENTS

Upon opening the package, please verify that all listed components are present and in good condition:

- Lifoarey 5MP Outdoor CCTV Camera (1 unit)
- Mounting Screws and Wall Plugs
- Quick Start Guide (this manual)

*Note: DVR, power adapter, and video power cable are not included and must be purchased separately.*

## KEY FEATURES

- **5MP Ultra HD Resolution:** Equipped with a 1/2.5" CMOS sensor, providing 2560x1920 full HD video at 20 frames per second for clear and detailed surveillance.
- **4-in-1 Video Output:** Supports TVI, CVI, AHD, and CVBS video formats, ensuring broad compatibility with various DVR systems. Factory default is 5MP@20fps HD-TVI. Ensure your DVR supports 5MP or higher resolution.
- **Infrared Night Vision:** Features 18pcs infrared LEDs for clear black & white night vision up to 100 feet (30 meters).
- **Wide Viewing Angle:** An 89-degree wide-viewing angle provides extensive coverage.

- **IP67 Weatherproof Metal Housing:** Designed for both indoor and outdoor use, capable of withstanding various weather conditions including rain, snow, and extreme temperatures.
- **3-Axis Mounting Bracket:** Allows for flexible adjustment of the camera angle for optimal coverage and includes vandal-proof wire protection.

## SETUP AND INSTALLATION

### 1. Physical Installation

The camera can be mounted on a wall or ceiling. Choose a location that provides the desired viewing angle and is within reach of power and video cables.



Figure 1: Flexible mounting options and 3-axis adjustment for the camera.

1. **Mark Drilling Holes:** Use the camera's base as a template to mark the positions for drilling holes on the wall or ceiling.

2. **Drill Holes:** Drill holes at the marked positions. Insert the provided wall plugs if mounting on masonry.
3. **Secure Camera:** Align the camera base with the drilled holes and secure it using the provided screws.
4. **Adjust Angle:** Loosen the adjustment screws on the 3-axis mounting bracket to set the desired camera angle. Tighten the screws once the angle is set.

## 2. Connectivity and Video Output Mode Selection

This camera supports four video output modes: TVI, CVI, AHD, and CVBS. By default, the camera is set to 5MP HD-TVI. Ensure your DVR is compatible with the camera's resolution (5MP or higher) and selected video format.

# 4-in-1 Highly Compatible



Figure 2: 4-in-1 video output compatibility and mode selection.

To change the video output mode, use the toggle switch located on the camera's video cable. Refer to the diagram on the cable itself for specific switch positions corresponding to each mode (HD TVI, AHD, Analog/CVBS, HD CVI).

## IP67

Durable Weatherproof

**5MP** 3.6mm

See More with 62.3° Wider Angle

**18pcs** SMD Leds

Night Vision up to 100ft

Power



Video output

5.5 in

2.5 in

Figure 3: Camera connections and mode switch detail.

- Connect the camera's video output (BNC connector) to your DVR's video input.
- Connect a 12V DC power adapter (not included) to the camera's power input.
- Ensure all connections are secure before powering on the system.

## OPERATION

### Day and Night Vision

The camera automatically switches between day (color) and night (black & white infrared) modes based on ambient light conditions. The 18 infrared LEDs provide clear visibility in low-light or no-light environments up to 100 feet.

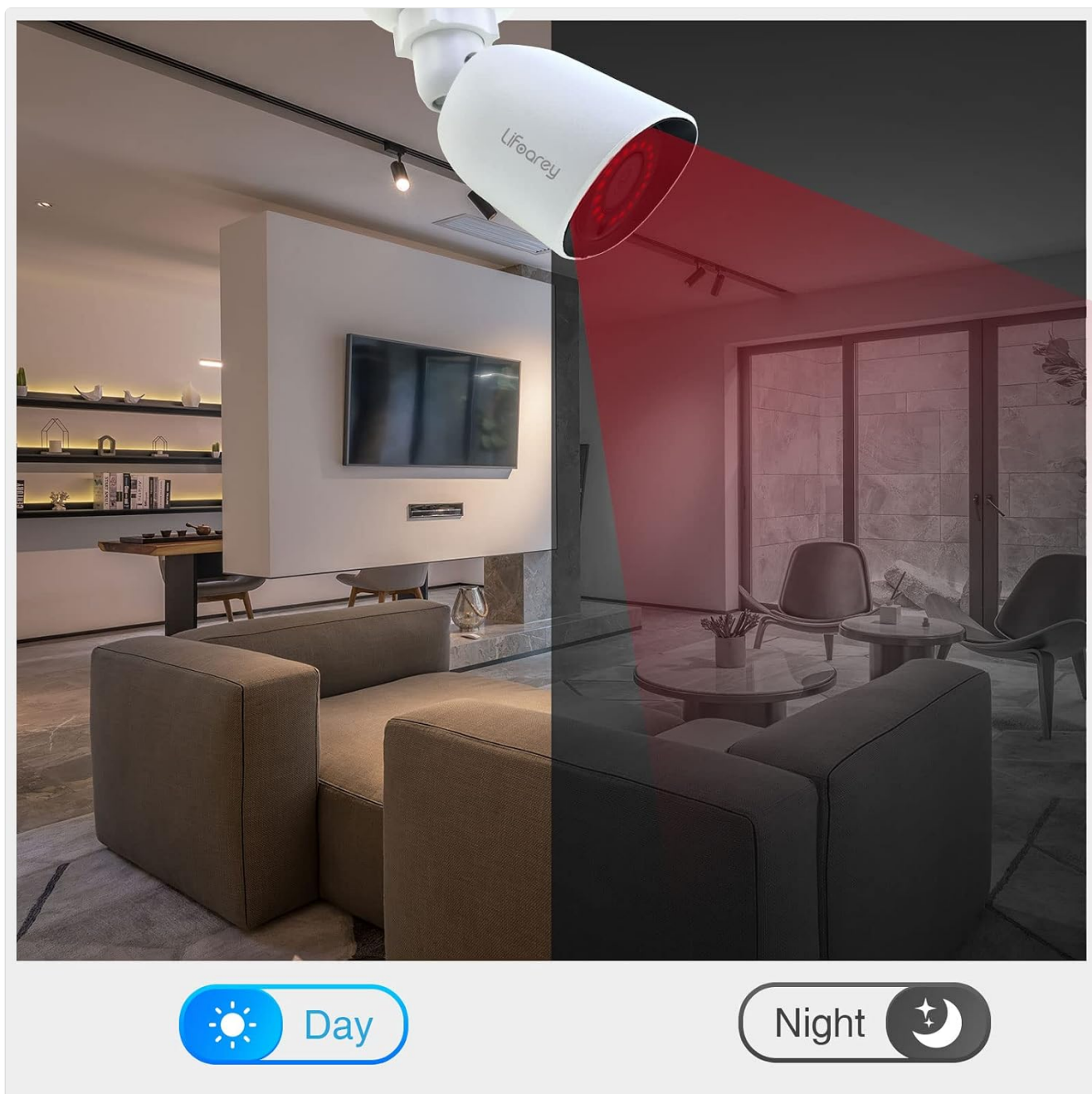


Figure 4: Automatic day/night mode switching.

## Motion Detection

When connected to a compatible DVR system, the camera can be configured for motion detection. This feature allows the DVR to record only when motion is detected, saving storage space and making event review more efficient. Alerts can typically be sent via email or app push notifications, depending on your DVR's capabilities.



Figure 5: Motion detection in action, showing a delivery person triggering an alert.

For detailed setup of motion detection and alert settings, please refer to your DVR's user manual.

## Video Playback

Video playback is managed through your connected DVR system. Consult your DVR's manual for instructions on viewing live feeds, reviewing recorded footage, and backing up data.

## MAINTENANCE

- **Cleaning:** Periodically clean the camera lens with a soft, damp cloth to ensure clear image quality. Avoid using harsh chemicals or abrasive materials.
- **Cable Inspection:** Regularly inspect all cables for any signs of wear, damage, or loose connections. Secure or replace damaged cables promptly.
- **Firmware Updates:** Check with your DVR manufacturer for any available firmware updates for your DVR system, as these can sometimes improve camera compatibility and performance.
- **Environmental Protection:** While the camera is IP67 weatherproof, ensure its mounting location minimizes direct exposure to extreme elements where possible, to prolong its lifespan.

## TROUBLESHOOTING

| Problem                              | Possible Cause                                                                                                                                                                                           | Solution                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No video signal / Black screen       | Loose video cable connection.<br>Incorrect video output mode selected on camera.<br>Incompatible DVR resolution (e.g., 5MP camera with 960H/720P DVR).<br>No power to the camera or faulty power supply. | Check and secure all BNC and power connections.<br>Verify the camera's video output mode matches your DVR's input settings using the toggle switch.<br>Ensure your DVR supports 5MP or higher resolution.<br>Confirm the power adapter is correctly connected and providing 12V DC. Test with another adapter if available. |
| Poor image quality / Blurry video    | Dirty camera lens.<br>Incorrect focus (if adjustable).<br>Insufficient lighting at night.                                                                                                                | Clean the camera lens with a soft cloth.<br>Ensure adequate lighting for optimal night vision performance.                                                                                                                                                                                                                  |
| Night vision not working or too dark | Infrared LEDs obstructed.<br>Insufficient power to activate IR.                                                                                                                                          | Ensure nothing is blocking the IR LEDs on the camera front.<br>Verify the power supply is stable and sufficient.                                                                                                                                                                                                            |
| Camera not recognized by DVR         | Incompatible video format or resolution.<br>DVR channel configuration issue.                                                                                                                             | Adjust the camera's video output mode to match your DVR's supported formats (TVI, CVI, AHD, CVBS).<br>Consult your DVR manual for proper channel setup and detection.                                                                                                                                                       |

## SPECIFICATIONS

| Feature                  | Detail                     |
|--------------------------|----------------------------|
| Model Number             | RL-XE965DS-PB3564          |
| Video Capture Resolution | 5.0MP (2560x1920)          |
| Image Sensor             | 1/2.5" CMOS                |
| Video Output Modes       | TVI/CVI/AHD/CVBS (4-in-1)  |
| Frame Rate               | 20fps (5MP)                |
| Viewing Angle            | 89 Degrees                 |
| Night Vision Range       | Up to 100 feet (30 meters) |
| Infrared LEDs            | 18pcs SMD LEDs             |
| Weatherproof Rating      | IP67 (Metal Housing)       |
| Indoor/Outdoor Usage     | Outdoor                    |
| Power Source             | Corded Electric (12V DC)   |
| Material                 | Plastic                    |
| Dimensions (L x W x H)   | 5.5 x 2.5 x 2.5 inches     |
| Item Weight              | 11.7 ounces                |

## WARRANTY AND SUPPORT

Lifoarey provides comprehensive support for your product:

- **2-Year Limited Warranty:** Your camera is covered by a 2-year limited warranty from the date of purchase.
- **Lifetime Technical Support:** Access to lifetime technical support for any operational or technical queries.
- **Customer Support:** For assistance, please contact [support@lifoarey.com](mailto:support@lifoarey.com).

## PRODUCT VIDEO DEMONSTRATION

Your browser does not support the video tag.

Video 1: Demonstration of the 5MP security camera capturing a delivery person approaching a door. This short clip illustrates the camera's clear video capture in a real-world scenario.