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Model: MI-CW016-101WS

INTRODUCTION

Thank you for choosing the Merkurs Innovations MI-CW016-101W Smart Floodlight Camera. This device provides 24/7 surveillance for your home, combining powerful LED floodlights with a high-definition security camera. It features motion detection, a 100-decibel siren, and seamless integration with your 2.4 GHz Wi-Fi network, all controllable via the Geeni smart home app.

This manual will guide you through the installation, operation, and maintenance of your new floodlight camera, ensuring optimal performance and security.

SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Installation should be performed by a qualified electrician or in accordance with local electrical codes. Always disconnect power at the circuit breaker before installation or servicing.
- **Mounting:** Ensure the mounting surface is strong enough to support the device.
- **Water Exposure:** While weatherproof, avoid submerging the device in water.
- **Operating Temperature:** Do not operate outside the specified temperature range.
- **Children:** Keep out of reach of children.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Merkurs Innovations Smart Floodlight Camera

- Mounting Bracket
- Mounting Screws and Wall Anchors
- Wire Nuts
- Hex Key (Allen Wrench)
- S-HHook (for temporary hanging during wiring)
- User Manual (this document)



Image: The Mercurry Innovations Smart Floodlight Camera shown with its packaging and all included installation hardware, such as the mounting bracket, various screws, wire nuts, and an S-hook for ease of installation.

SETUP

1. Pre-Installation Checklist

- **Wi-Fi Network:** Ensure you have a strong 2.4 GHz Wi-Fi signal at the installation location. The camera does not support 5 GHz Wi-Fi.
- **Power Source:** Identify an existing outdoor junction box with 120V AC power.

- **Tools Required:** Phillips head screwdriver, wire strippers, ladder, safety glasses.

2. Physical Installation

1. **Turn Off Power:** Locate the circuit breaker controlling the outdoor light fixture and turn off the power. Verify power is off using a voltage tester.
2. **Remove Existing Fixture:** Carefully remove your existing floodlight or light fixture from the junction box.
3. **Install Mounting Bracket:** Attach the provided circular mounting bracket to the junction box using the screws. Ensure the bracket is securely fastened.
4. **Wire Connections:** Hang the floodlight camera temporarily using the S-hook on the mounting bracket. Connect the wires:
 - Connect the **black** wire from the camera to the **black** (live) wire from the junction box using a wire nut.
 - Connect the **white** wire from the camera to the **white** (neutral) wire from the junction box using a wire nut.
 - Connect the **green/ground** wire from the camera to the **ground** wire from the junction box (or to the junction box itself if no ground wire is present).
5. **Mount Camera:** Carefully push the connected wires into the junction box. Align the camera with the mounting bracket and secure it using the provided screws.
6. **Adjust Floodlights:** Loosen the adjustment screws on the floodlight heads and position them to cover the desired area. Tighten the screws to secure.

3. App Installation & Pairing

1. **Download App:** Download the "Geeni Smart Home" app from the Apple App Store or Google Play Store.
2. **Create Account:** Open the app and create a new account or log in to an existing one.
3. **Add Device:** Turn on the power at the circuit breaker. The floodlight camera should enter pairing mode (indicated by a flashing light or audible prompt). In the Geeni app, tap the "+" icon to add a new device. Select "Floodlight Camera" or "Security Camera".
4. **Connect to Wi-Fi:** Follow the on-screen instructions to connect the camera to your 2.4 GHz Wi-Fi network. You may need to scan a QR code displayed on your phone with the camera lens.
5. **Device Ready:** Once connected, the camera will indicate successful pairing, and you can name your device in the app.

OPERATING YOUR FLOODLIGHT CAMERA

Live View & Recording

- Open the Geeni app and select your floodlight camera from the device list.
- You will see a live feed from the camera.
- Use the on-screen controls to manually record video, take screenshots, or speak through the camera's two-way audio.

Motion Detection & Alerts

- Navigate to the camera's settings within the Geeni app.
- Adjust motion detection sensitivity and set detection zones to minimize false alerts.
- Enable push notifications to receive real-time alerts on your phone when motion is detected.

Floodlight Control

- The 2100-lumen LED floodlights can be triggered by motion detection.
- You can also manually turn the lights on/off or set schedules through the Geeni app.

Siren Activation

- The 100-decibel siren can be activated manually from the app.
- It can also be configured to trigger automatically upon motion detection in specific scenarios.

MAINTENANCE

- **Cleaning:** Periodically clean the camera lens and floodlight surfaces with a soft, damp cloth to ensure clear vision and optimal light output. Do not use harsh chemicals.
- **Firmware Updates:** Keep your Geeni app updated to the latest version. The app will notify you of any available firmware updates for your camera. Install updates to ensure optimal performance and security.
- **Connectivity Check:** Regularly check your Wi-Fi signal strength at the camera's location to ensure stable connectivity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi.	Incorrect Wi-Fi password; 5 GHz network selected; weak signal; router too far.	Ensure correct 2.4 GHz Wi-Fi password. Move router closer or use a Wi-Fi extender. Reset camera and try pairing again.
No video feed / Offline.	Power disconnected; Wi-Fi signal lost; camera malfunction.	Check power supply at the circuit breaker. Verify Wi-Fi connectivity. Restart camera by cycling power.
Motion detection not working or too many false alerts.	Sensitivity settings incorrect; detection zone not configured; environmental factors (e.g., swaying trees).	Adjust motion sensitivity in the app. Define specific detection zones. Clear obstructions if possible.
Floodlights not turning on.	Power issue; light sensor blocked; schedule conflict; motion trigger not set.	Check power. Ensure light sensor is clear. Verify app settings for schedules and motion triggers.

SPECIFICATIONS

- **Model:** MI-CW016-101WS
- **Brand:** Merkurs Innovations
- **Power Source:** 120V AC
- **Light Source:** LED
- **Lumen Output:** 2100 Lumens
- **Siren:** 100-decibel
- **Connectivity:** Wi-Fi (2.4 GHz only)

- **Indoor/Outdoor Usage:** Outdoor, Indoor
- **Special Feature:** Motion Sensor, Night Vision
- **Dimensions:** 4 x 3 x 1 inches
- **Weight:** 8 ounces
- **Manufacturer:** Merkury Innovations
- **UPC:** 844702083165

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or visit the official Merkury Innovations website. You can also contact their customer service directly through the Geeni Smart Home app's support section.

Website: www.merkuryinnovations.com