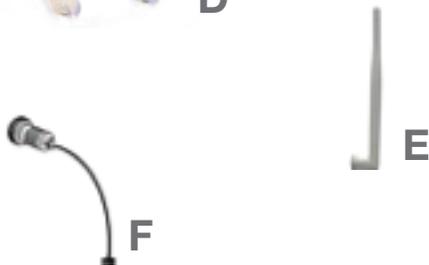




OC821 Iris™ Outdoor Camera Set-Up Guide



OC821 Iris™ Outdoor Camera



Package Contents

- A. Outdoor Camera
- B. Power Adapter
- C. Camera Mounting Bracket (Base, Stand and Swivel Connector)
- D. Mounting Screws
- E. Antenna x2
- F. Power Extension (with water sealing cap)
- G. Ethernet Cable (with water sealing cap)
- H. 10 ft. Power Extension Cable
- I. Water Sealing LAN Port Cover

Chapter 1

Introduction

This chapter provides details of the outdoor camera's features, components and capabilities.

Overview

Thank you for choosing Iris™ as your self-monitored home security service. The outdoor video camera is an integral part of the Iris™ system. The camera comes complete with an integrated microcomputer and high-quality digital image-sensor, enabling it to display high-quality live streaming video in color during the day, and black-and-white in low light conditions (enhanced by infrared light illuminations).

To begin installation of your Iris™ camera:

1. Log into your Iris™ dashboard at lowes.com/iris and click the **devices** link.
2. Select **add devices**.
3. Follow the on screen instructions. The Iris™ system will find your camera and add it to your system.

Features

- High-def (720p)
- Motion-triggered
- Day/night vision
- Records automatically when alarms are triggered
- Remotely monitor from smart phone, tablet or computer
- Weather resistant
- Rolling video buffer captures video footage before motion is detected

Wireless Features

- **Supports IEEE 802.11 Wireless Stations:** The camera supports the IEEE 802.11n, 802.11b and 802.11g standards at 2.4GHz.
- **Wired and Wireless Network Support.** The Network camera supports either wired or wireless transmission.
- **Security Support: Full WEP (64/128 Bit), WPA and WPA2 standards are supported on the Wireless interface, allowing advanced encryption of wireless data.**



Chapter 2

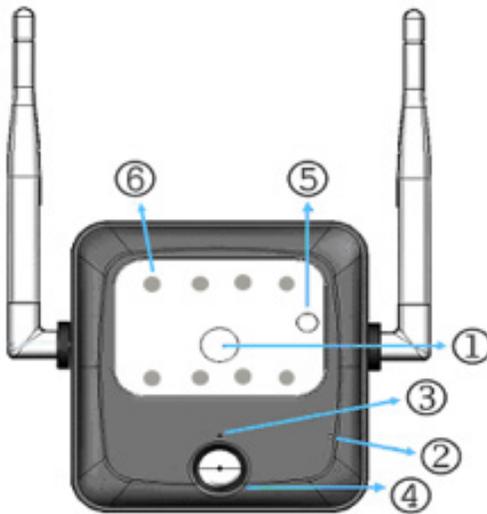
Basic Setup

This chapter provides details on how to setup and mount the camera.

System Requirement

The Iris™ camera requires the Iris™ smart hub for operation. To use the wireless interface on the wireless model, other wireless devices must be compliant with the IEEE802.11b, IEEE802.11g or IEEE 802.11n specifications. Your wireless router must use compatible settings.

Front Panel



1. Lens

No physical adjustment is required or possible for the lens, but you should ensure that the lens cover remains clean. The image quality is degraded if the lens cover is dirty or smudged.

2. Microphone

The built-in microphone is mounted on the front.

3. Network LED

On (Green) - Network (Wireless or LAN) connection is available.
Off - Wireless or LAN is not connected or camera is not sending/receiving data.
Blinking (Green) - Data is being transmitted or received via the LAN or Wireless connection.

4. Motion Sensor

Passive infrared sensor (PIR) detects motion in front of the camera.

5. Day/Night Sensor

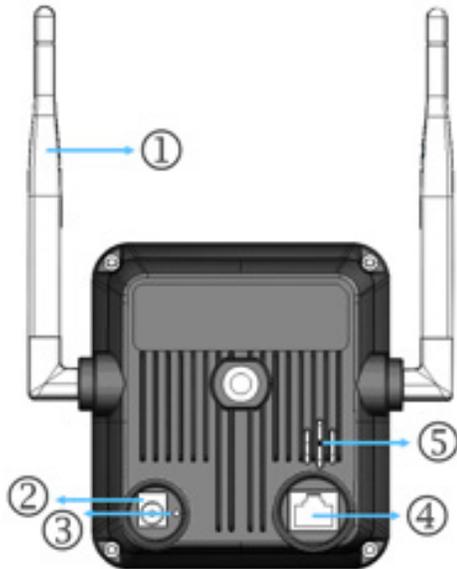
This is a hardware sensor to detect lighting levels. In low light conditions the camera will automatically switch to black-and-white mode and the IR LEDs will illuminate.

6. Infrared (IR) LEDs

These lights are nearly invisible to the human eye. Turning on in low light conditions, the IR LEDs illuminate the image to allow the camera to record a better image.



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Rear Panel

1. Antenna

The antennae are adjustable. Best results are usually obtained with the antennae positioned vertically, however, they can be adjusted to best fit the camera install location.

2. Power Port

The supplied 12V power adapter plugs in here to power on the Outdoor Camera. Do not use any other power adapters since doing so may damage the Outdoor Camera.

3. Reset Button

When pressed and held over 10 seconds, the settings of Network camera will be set to their default values. This button is recessed; you need a paper clip to depress it. It can be activated at any time the camera is powered on.

NOTE: After this procedure is completed, the Network LED will blink orange while the camera reconfigures. The orange light will turn off to indicate the reset was completed successfully.

WARNING: Before restoring the camera to its factory defaults, make sure that you remove it from your Iris™ device list first. Please visit lowes.com/iris to learn more about removing devices from Iris™.

4. LAN Port

The supplied Ethernet cable plugs in here enabling you to connect your Outdoor Camera to your router for initial configuration with Iris. Once configuration is complete, you may add your home network wireless settings to the camera via the Iris website. The camera can then be disconnected from the router, and the supplied water sealing LAN port cover should be installed.

NOTE: Plugging in the Ethernet cable will disable the Wireless interface. Only one (1) interface can be active at any time.

NOTE: The Ethernet cable should only be connected or disconnected when the camera is powered OFF. Attaching or detaching the Ethernet cable while the camera is powered on does NOT switch the interface between wired and wireless.

5. Speaker

The built-in speaker is mounted on the back.



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Setup the Camera

Step 1: Attach the Antenna

- a. Attach both antenna to the Outdoor Camera by turning it clockwise.
- b. Put the antenna in the upright position to improve wireless reception.

Step 2: Connect Ethernet Cable to the Outdoor Camera

- a. Plug the end of the Ethernet cable with water sealing cap into the back of the camera.
- b. Secure the water sealing cap to create a water-tight seal.
- c. Plug the other end of the Ethernet cable into an available LAN port on your router

NOTE: Using the wired Ethernet interface is required for initial camera configuration with Iris. After configuration of the wireless network from the Iris website (optional) you may remove the Ethernet cable and the camera will operate via wireless connection.

Step 3: Power on the Outdoor Camera

- a. Plug the Power Adapter into the back of the camera
- b. Secure the water sealing cap to create a water-tight seal
- c. Plug the Power Adapter into a power outlet

NOTE: You may need to use an extension cable if the supplied power cable does not reach to a power outlet.

Step 4: Connect to Iris™

Adding your Iris™ camera to an existing Iris™ system:

- 1. Set-up your camera as described in the steps above.
- 2. Log into your Iris™ dashboard at lowes.com/iris and click the **devices** link.
- 3. Select **add devices**.
- 4. Follow the on screen instructions. The Iris™ system will find your camera and add it to your system.

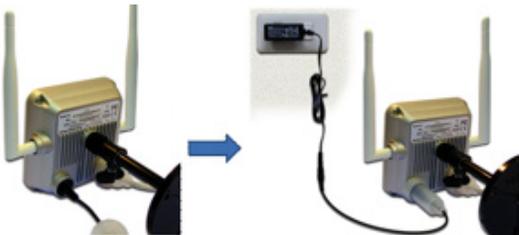
Adding your Iris™ camera to a new Iris™ system:

- 1. Set-up your camera as described in the steps above.
- 2. Follow the installation process described in y our Iris™ quick start guide.
- 3. The onscreen instructions will describe the steps to add your camera. The Iris™ system will find your camera and add it to your system.

Step 5: Configure Wireless Settings (optional)

You may want the camera to operate via wireless connection, and no longer require that it be plugged into the Ethernet Cable. Configure the wireless settings to enable this:

- a. Use the Iris dashboard at lowes.com/iris to confirm the camera is successful paired with Iris and can stream live video.
- b. Click the Devices link and select the Outdoor Camera.
- c. Complete the information required for wireless settings. After completing this step, wait 5 minutes while the camera is configured and restarts.
- d. Remove the Ethernet Cable and Power Adapter and relocate the camera. Reconnect the Power Adapter and the camera will operate via wireless connection. Please allow 5 minutes for the camera to configure and connect to your home network.





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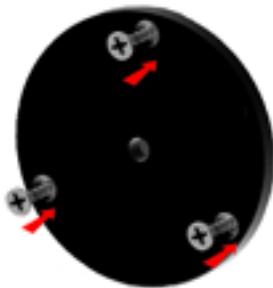
Mounting the Outdoor Camera

NOTE: Please ensure the camera is configured and added to the network before permanent mounting.

NOTE: Prior to permanently installing your camera, ensure that it is within range of your wireless router. To test it is working, place the camera in its final location and use the Iris website or mobile app to stream live video.

Tips for Best Outdoor Camera Placement

- a. Avoid facing the camera directly into the sunrise (east) and sunset (west)
- b. It is generally better to aim the camera with a slight downward angle
- c. Avoid aiming the camera towards bright nighttime objects, such as streetlights, porch lights, and vehicle headlights
- d. If you receive false motion triggers, consider shadows which may be cast over the camera or in its view.
- e. To prevent false motion triggers, avoid positioning close to objects which move on windy days
- f. Avoid mounting the camera in direct sunlight, as the passive infrared sensor (PIR) works best at cooler temperatures.



Step 1: Install the base

- a. Hold the base on the wall at the desired location.
- b. Screw the three mounting screws through the base into the wall through



Step 2: Attach the stand and swivel connector together

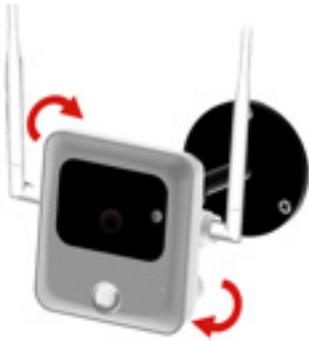
- a. Ensure the stand and swivel are secure before proceeding



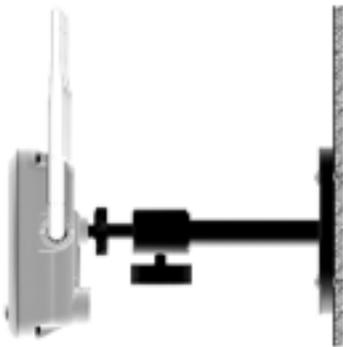
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Step 3: Attach the stand and swivel connector to the base by turning clockwise



Step 4: Attach the Outdoor Camera to the swivel connector by turning it clockwise



Step 5: Finalize the Outdoor Camera's Mount

- a. Make sure the Outdoor Camera is firmly fixed on the wall.
- b. Adjust the Outdoor Camera to the preferred position.



OC821 Iris™ Outdoor Camera

Appendix A

Specifications

Camera

| | |
|-----------------------|---|
| Model | Network Camera OC821 |
| Dimensions | 103 mm (W) x 94 mm (H) x 43 mm (D) |
| Video compression | H.264, MPEG4 and MJPEG |
| Image resolution | 1280 x 720 (720p), 640 x 480 (VGA, system default), 320 x 240 (QVGA), 160 x 120 (QQVGA) |
| Network Protocols | TCP/IP, HTTP, HTTPS, DHCP, NTP, SMTP, UPnP, FTP, RTP/RTSP |
| Network Interface | 1 Ethernet 10/100BaseT (RJ45) LAN connection |
| Wireless interface | IEEE 802.11n/802.11b/802.11g compatible, Infrastructure/Ad-hoc mode, WEP 64/128 bit, WPA/WPA2 personal security support |
| LEDs | 8 |
| Power Adapter | 12V/1A, 100~240 VAC |
| Operating Temperature | 0° C to 50° C (32° F to 122° F) |
| Storage Temperature | -20° C to 70° C (-4° F to 158° F) |

Regulatory Approvals

FCC Statement

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).



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FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and**
- (2) This device must accept any interference received, including interference that may cause undesired operation.**

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CE Approvals

The camera and the Ethernet camera meet the guidelines of the European Union and comply with the 99/5/EEC and RTTE 99/5EG directives, including the following standards:

- EN60950
- EN300 328
- EN301 489-1
- EN301 489-17

This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This product is UL and cUL certified and comply with UL60950-1 Information Technology Equipment applicable requirement.