



ADT Pulse® Interactive Solutions
OC810-ADT Wireless
Outdoor Day/Night Camera
Installation Guide

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MS 15019511

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Introduction

This section provides details of the OC810-ADT Wireless Outdoor Day/Night Camera features, components and capabilities.

Overview

The OC810-ADT Wireless Outdoor Day/Night Camera (hereafter referred to as the *wireless camera*) has an Integrated Microcomputer and a high quality digital Image Sensor, enabling it to display high quality, live streaming video to your web or mobile client over an 802.11n Wireless LAN.

OC810-ADT Camera Features

- **Standalone Design:** The *wireless camera* is a standalone device which requires a power source and a wireless connection to the ADT Pulse® gateway.
- **Triple Video Support:** The *wireless camera* can support H.264, MPEG4 and MJPEG video for different image compression.
- **Day/Night Switch:** With the automatic day/night switching feature, the *wireless camera* is able to view and record crisper images in the dark within a 25 foot area.
- **Standard Compliance:** The *wireless camera* complies with the IEEE802.11n (DSSS) specifications for Wireless LANs.
- **Supports 802.11n Wireless Stations:** The 802.11n Draft standard provides for backward compatibility with the 802.11g wireless network.
- **Speeds up to 108Mbps:** All speeds up to the 802.11n maximum of 108Mbps are supported.
- **Security Support:** Full WEP (64/128 Bit), WPA and WPA2 Personal standards are supported on the Wireless interface allowing advanced encryption of wireless data.

Package Contents

1. OC810-ADT Wireless Outdoor Day/Night Camera
2. Antenna
3. Power Adapter
4. Ethernet Cable
5. Power Extension Cable(with water sealing cap)
6. Stand
7. Mounting Screws
8. Quick Installation Guide

Physical Details – OC810-ADT Camera

Front Panel

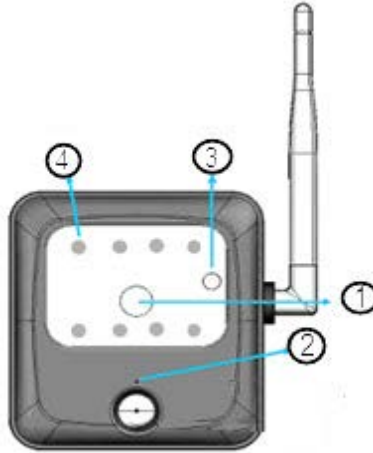


Figure 1: Front Panel

- | | |
|------------------------|--|
| 1. Lens | No physical adjustment is required or possible for the lens, but you should ensure that the lens cover remains clean. Image quality is degraded if the lens cover is dirty or smudged. |
| 2. Power LED | On - Power on.
Off - Power off.
Blinking - The Power LED blinks during power up. (This can take up to 20 seconds). |
| 3. Light Sensor | The Light Sensor detects luminance. |
| 4. IR LEDs | The LEDs enable the wireless camera to see images at night or in a dark environment. |

Rear Panel

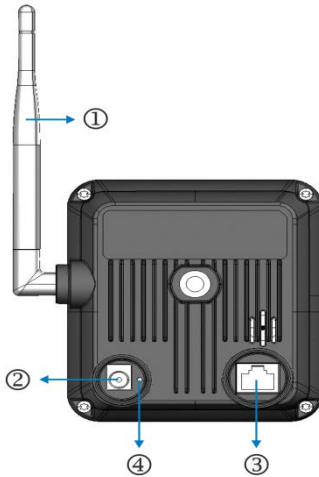


Figure 2: Rear Panel

- | | |
|----------------------|--|
| 1. Antenna | The antenna is adjustable with best results typically obtained with the antenna positioned vertically. |
| 2. Power Port | The supplied 12V power adapter plugs power to the <i>wireless camera</i> 's power port. |

IMPORTANT



DO NOT USE ANY POWER ADAPTER OTHER THAN THE ONE SPECIFIED FOR THIS CAMERA. DOING SO MAY DAMAGE THE WIRELESS CAMERA.

- | | |
|-------------------------|---|
| 3. Ethernet Port | The Ethernet port enables connectivity of the <i>wireless camera</i> to your ADT Pulse gateway. |
|-------------------------|---|

IMPORTANT



- **PLUGGING IN THE ETHERNET CABLE WILL DISABLE THE WIRELESS INTERFACE. (ONLY ONE INTERFACE CAN BE ACTIVE AT ANY TIME.)**
- **THE ETHERNET CABLE SHOULD ONLY BE CONNECTED OR DISCONNECTED WHEN THE OUTDOOR DIGITAL 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.**
- **DETACHING THE ETHERNET CABLE WHEN THE OUTDOOR DIGITAL CAMERA IS POWERED ON WILL DISCONNECT THE OUTDOOR DIGITAL CAMERA FROM THE NETWORK.**

- | | |
|------------------------|---|
| 4. Reset Button | When pressed and held for ten (10) seconds, the communication configuration of the <i>wireless camera</i> will be reset to the default manufacturer settings. |
|------------------------|---|

IMPORTANT



THE RESET BUTTON WILL RESET THE CAMERA COMMUNICATION CONFIGURATION SETTINGS AND SHOULD ONLY BE USED UNDER THE DIRECTION OF ADT SUPPORT.

Installation

This section provides details of installing and configuring the OC810-ADT Wireless Outdoor Day/Night Camera.

Adding the OC810-ADT Wireless Outdoor Day/Night Camera to the ADT Security System

**NOTE:**

The OC810-ADT *wireless camera* can only be added to a Pulse system that supports video.

1. Open your web browser. In the address bar, type:
<https://Portal.ADTPulse.com>.
2. Type your **Username** and **Password**, and then click the **Sign In** button.

ADT Pulse Log in

Username:

Password:

Sign In

[Forgot your username or password?](#)

Your use of this site signifies that you accept the ADT Pulse Website Terms of Use Agreement. ©2010 ADT Security Services, Inc. ADT and the ADT logo are registered trademarks of ADT Services AG and are used under license. Unauthorized use of this site is prohibited and may be subject to civil and criminal prosecution.

3. Click the **System** tab, and then click the **Manage Devices** button.

ADT Pulse

Welcome, ADT Demo
Monday, Sep 12 | [Sign Out](#)

[Your Site](#)

Summary | **History** | **Alerts** | **Automations** | **Schedules** | **System**

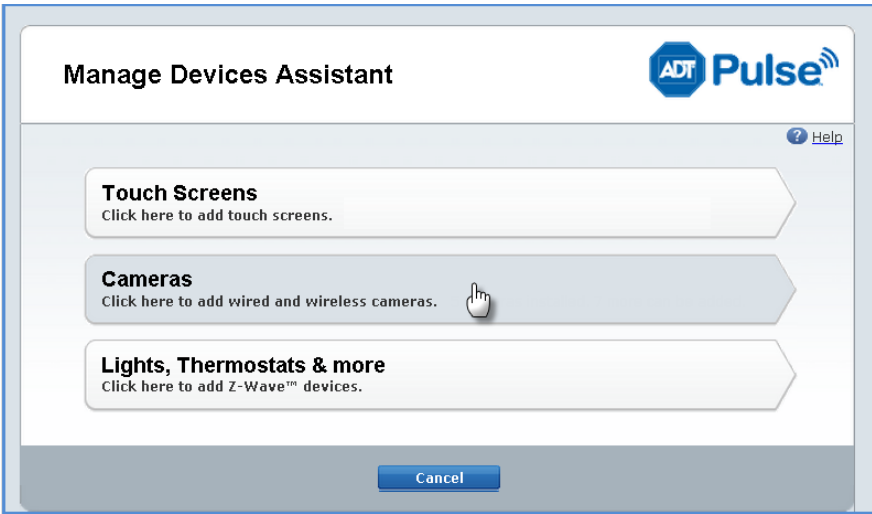
System

[Devices](#) | [Site Settings](#) | [Users](#) | [My Profile](#) | [My Profile History](#)

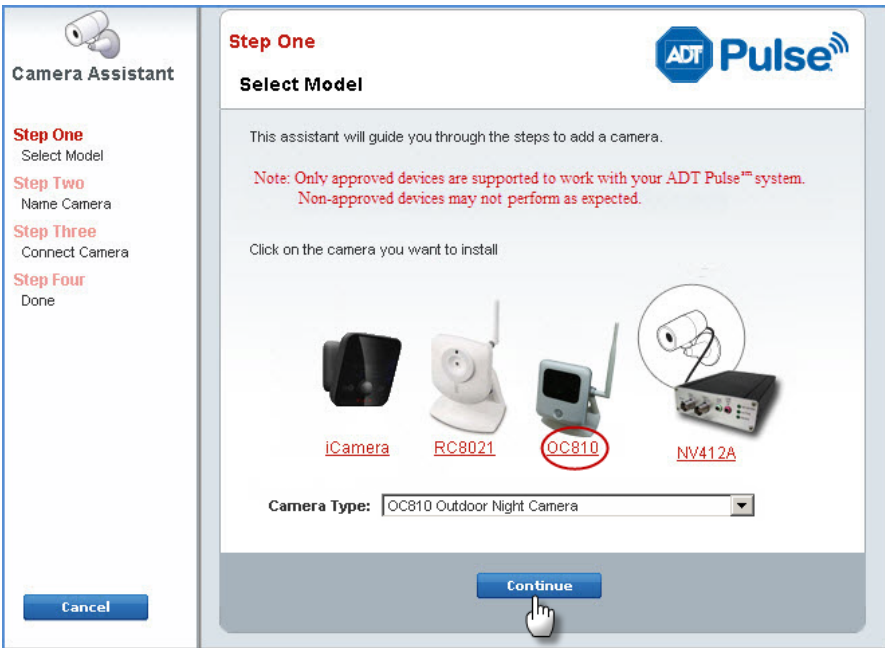
Manage Devices

Name	Zone	Device Type
System		
● Security Panel		ADT: Security Panel - Safewatch Pro 3000/3000CN
● HSS101		NETGEAR: 7" Touch Screen (HSS101)
● Touch Screen		GE Security: 7" Touch Screen

4. In the **Manage Devices Assistant**, click **Cameras**.

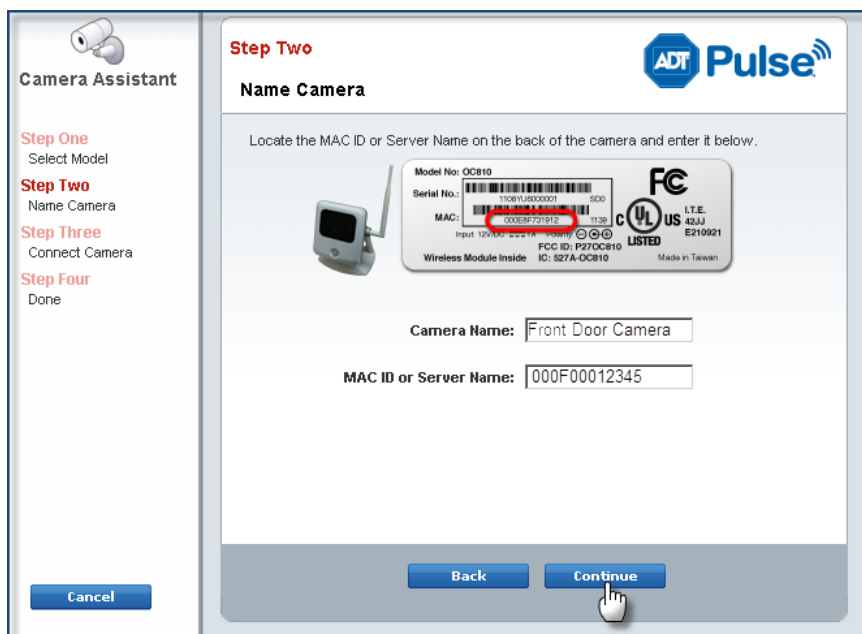


5. Click the picture of the **OC810** or select it from the drop-down list, and then click the **Continue** button.



6. Assign the *wireless camera* a unique name (this is usually based on the location of the *wireless camera*) in the space provided, and then type the *wireless camera* 's **MAC ID** or **Server Name**.

- Click the **Continue** button.



Camera Assistant

Step One
Select Model

Step Two
Name Camera

Step Three
Connect Camera

Step Four
Done

Cancel

Step Two

Name Camera

Locate the MAC ID or Server Name on the back of the camera and enter it below.

Model No: OC810

Serial No.: 1081148000001 500

MAC: 000F00012345

Input 12VDC 2.2A 1.5W 1000mV

Wireless Module Inside

FCC ID: P27OC810

IC: 527A-OC810

Made in Taiwan

Camera Name:

MAC ID or Server Name:

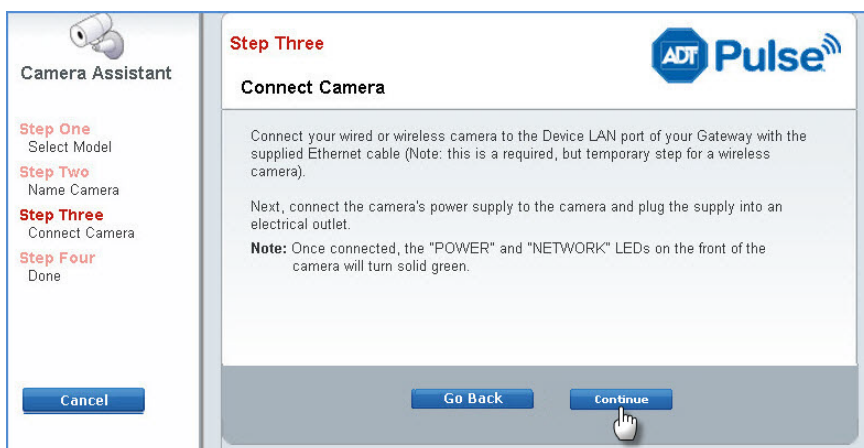
Back **Continue**

- Attach the antenna to the *wireless camera*. To adjust the antenna, screw to the rear mounting point and set the antenna to the upright position to improve wireless reception.
- Connect the *wireless camera* to the Device Port of the gateway using a standard LAN cable.
- Connect the supplied 12V power adapter to power up the *wireless camera*, and then click the **Continue** button.



NOTE

The Power LED turns on briefly, and then starts blinking during startup, which takes approximately 5 to 20 seconds. After startup is completed, the Power LED remains ON.



Camera Assistant

Step One
Select Model

Step Two
Name Camera

Step Three
Connect Camera

Step Four
Done

Cancel

Step Three

Connect Camera

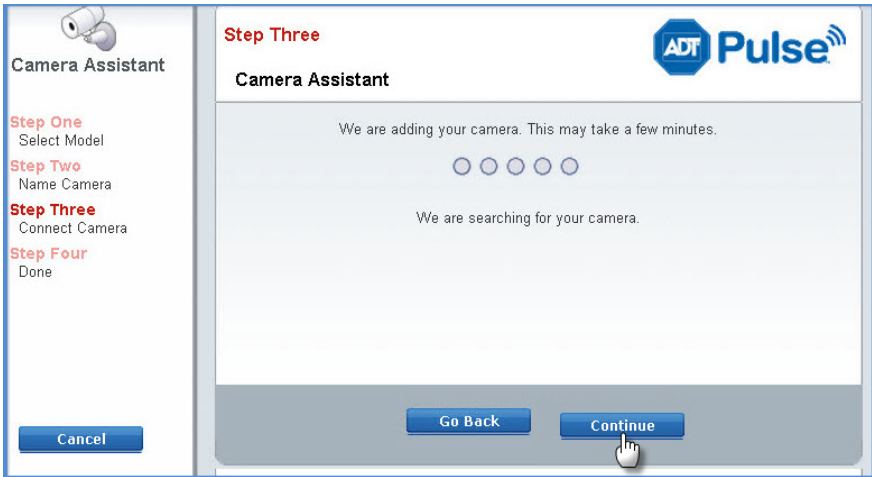
Connect your wired or wireless camera to the Device LAN port of your Gateway with the supplied Ethernet cable (Note: this is a required, but temporary step for a wireless camera).

Next, connect the camera's power supply to the camera and plug the supply into an electrical outlet.

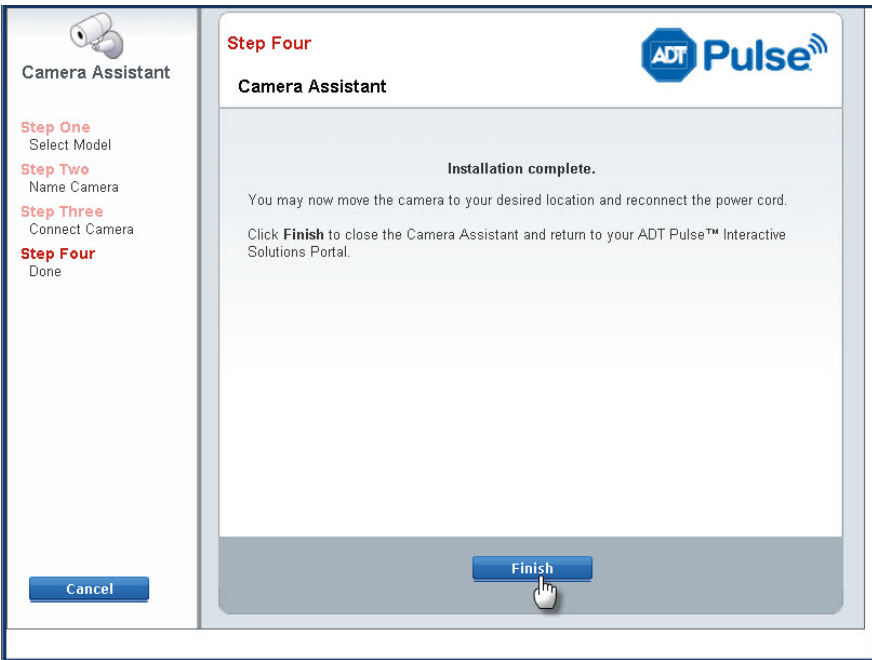
Note: Once connected, the "POWER" and "NETWORK" LEDs on the front of the camera will turn solid green.

Go Back **Continue**

11. Once connected, click the **Continue** button.



12. Click the **Finish** button. The installation is complete.



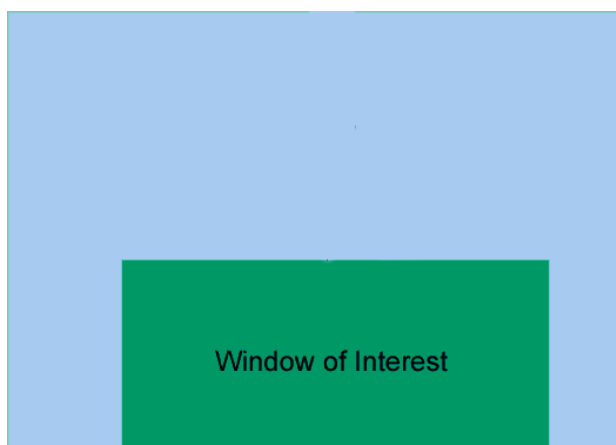
13. Disconnect the *wireless camera* from the gateway and remove from power.
14. Assemble the mounting bracket, and then install the *wireless camera* in the final location.
15. Re-apply power.

If the camera does not connect, use of the ADT Wi-Fi extender, part # WN2RPADT-1ADNAS is recommended and may improve connectivity.

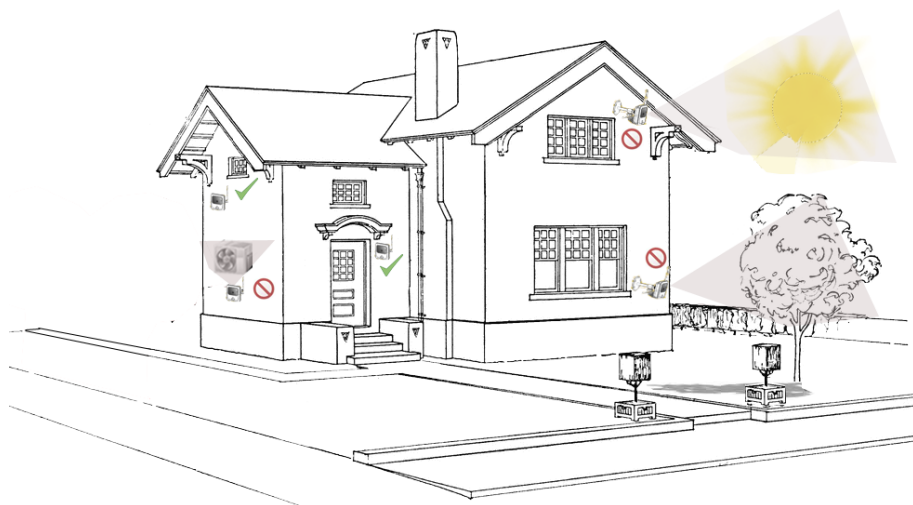
For more information, refer to **Physical Details** – on pages 3 and 4.

PIR Video Motion Detection

The motion event will be captured when a significant image changes within the Window of Interest. The Window of Interest is defined below.



The following installation hints should be noted:



1. Take care not to install facing direct sunlight, bodies of water, or areas of moving shadows as these can lead to unintended triggers.
2. Avoid aiming the PIR camera near or toward hot objects such as air conditioners.
3. It is preferable to install the PIR sensor underneath eaves or porch coverings to prevent exposure to rain and ice.
4. Avoid direct sunlight or headlights from automobiles.
5. Avoid breeze and corrosive gases.
6. Make sure that the coverage area of PIR sensor does not extend into undesired areas that might cause unwanted activations.

7. While choosing the installation area, be aware that the PIR sensor may detect unimportant motions, such as moving trees or shadows caused by excessive wind.

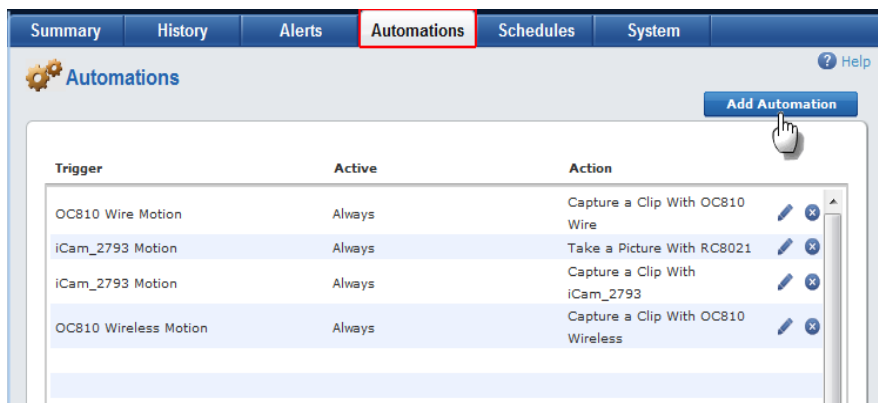


NOTE:

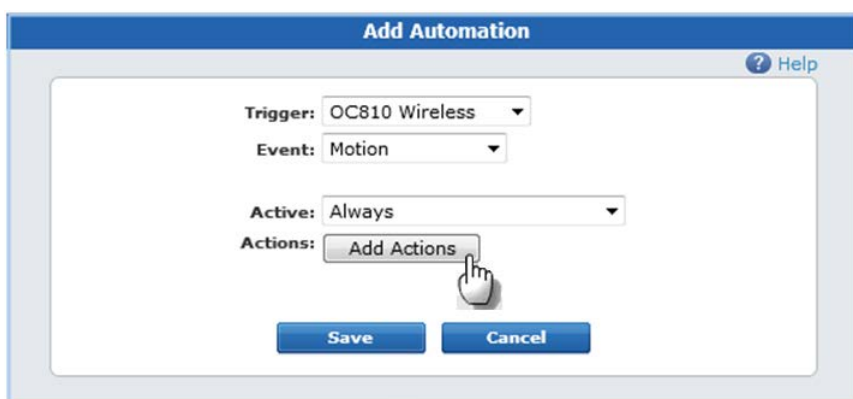
Video motion detection is susceptible to light reflection, shade or tree/leaves movement, etc. within the Window of Interest. To reduce the number of unwanted video events, please adjust the camera to reduce these noise factors appearing in the Window of Interest.

Enabling Motion Detection via the ADT Security System

1. Click the **Automations** tab, and then click the **Add Automation** button.

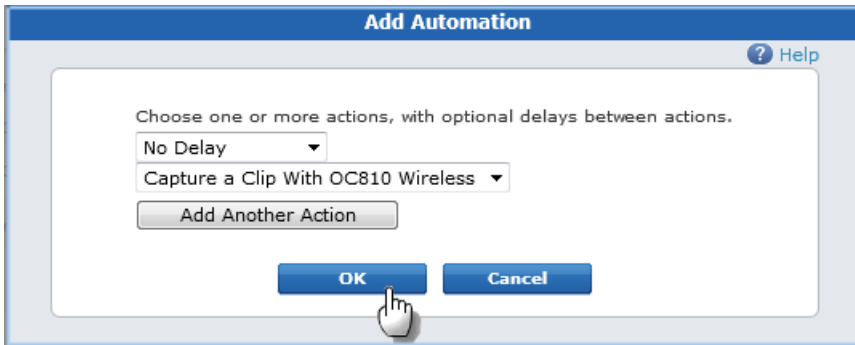


2. Select a trigger for this automation from the **Trigger** drop-down list.
3. Select **Motion** from the **Event** drop-down list.
4. Select the conditions under which you want the automation action to occur from **Active** drop-down list.
5. Click **Add Actions**.



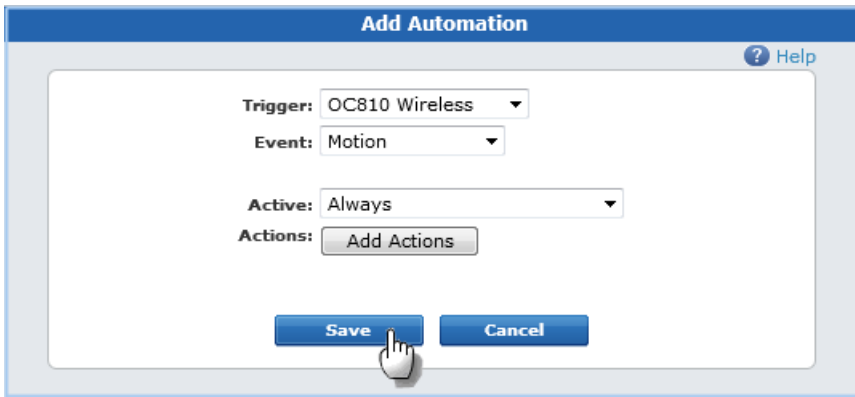
6. From the Delay drop-down list, select the delay option you want to use for this action.
7. From the Action drop-down list, select the action you want to take place when the trigger occurs.

8. Click **OK**.



The 'Add Automation' dialog box has a blue header bar with the title 'Add Automation' and a 'Help' link. The main area contains the text 'Choose one or more actions, with optional delays between actions.' Below this text are two dropdown menus: the first is set to 'No Delay' and the second is set to 'Capture a Clip With OC810 Wireless'. Below the dropdowns is a button labeled 'Add Another Action'. At the bottom of the dialog are two buttons: 'OK' and 'Cancel'. A mouse cursor is pointing at the 'OK' button.

9. Click **Save**.



The 'Add Automation' dialog box has a blue header bar with the title 'Add Automation' and a 'Help' link. The main area contains the following fields: 'Trigger' set to 'OC810 Wireless', 'Event' set to 'Motion', and 'Active' set to 'Always'. Below these fields is a button labeled 'Add Actions'. At the bottom of the dialog are two buttons: 'Save' and 'Cancel'. A mouse cursor is pointing at the 'Save' button.

Appendix A: Specifications

Model	OC810-ADT Wireless Outdoor Day/Night Camera
Dimensions H x W x D	4.06" x 3.70" x 1.46" (103mm x 94mm x 37mm)
Operating Temperature	14°F to 113°F (-10°C to 45°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Weather Resistance	IP 65
Network Protocols	TCP/IP, HTTP, HTTPS, DHCP, SMTP, FTP, UPnP, DDNS, NTP, RTP, RTCP, RTSP, SMB
Network Interface	1 Ethernet 10/100BaseT (RJ45) LAN connection
Wireless interface (Wireless Model Only)	IEEE 802.11n/802.11b/802.11g compatible, Infrastructure/Ad-hoc mode, WEP/WPA Personal/WPA2 Personal security support, roaming support
LEDs	1 indicator LED and 8 IR LEDs
Illuminator	Night range approximately 25 feet
Power Adapter	Input: 100-240 VAC; Output: 12V, 1A

Appendix B: 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).

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 OC810-ADT Wireless Outdoor Day/Night Camera meets the guidelines of the European Union and comply with the 99/5/EEC and RTTE 99/5EG directives, including the following standards:

- EN60950-1
- EN300 328
- EN301 489
- EN55024

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.