



ADT Pulse® Interactive Solutions

RC8325-ADT

Wireless Day/Night HD Camera

Quick Installation Guide

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RC8325-ADT-QIG-01 (10/15)

Chapter 1

Introduction

1

This section provides information about the RC8325-ADT Wireless HD Camera's features, components and capabilities.

Overview

The RC8325-ADT is a true day/night wireless camera with HD resolution, 802.11n Wi-Fi connectivity and Wi-Fi Protected Setup (WPS) support. This camera is intended for use with ADT Pulse®.

Features

- **Standalone Design.** The wireless HD camera is a standalone system with built-in CPU and video encoder. It requires only a power source and a connection to the ADT Pulse Gateway or ADT Total Security (TS) Base panel.
- **Dual Video Support.** The RC8325-ADT supports H.264 and MJPEG video compression.

Wireless Features

- **Supports 802.11n Wireless Standard.** The 802.11n standard provides backward compatibility with the 802.11b and g standards.
- **Supports WPS.** Wi-Fi Protected Setup (WPS) can simplify the process of connecting the wireless HD camera to the wireless network by using the push button configuration.
- **Wired and Wireless Network.** The RC8325-ADT can be connected to the Pulse network wirelessly. It can also be hardwired to the network using the Micro USB to RJ-45 Adapter Cable (not included) and a standard Ethernet cable (not included).

Physical Details

Front

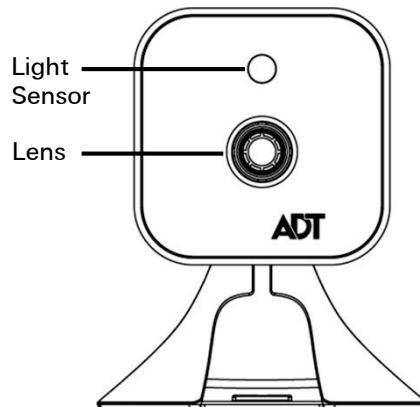


Figure 1: Front Panel

Light Sensor This is a hardware sensor to detect lux.

Lens The lens cannot be adjusted. Please ensure that the lens cover remains clean. The image quality is degraded if the lens cover is dirty or smudged.

Rear

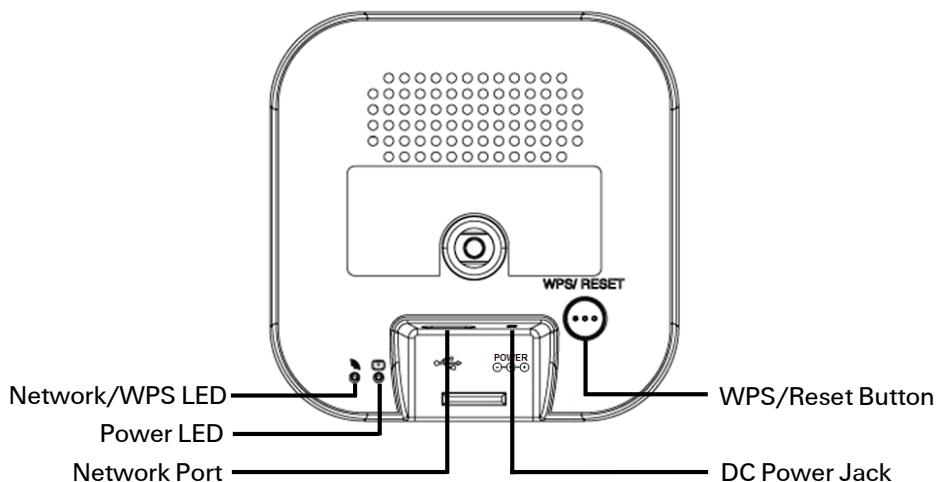


Figure 2: Rear Panel

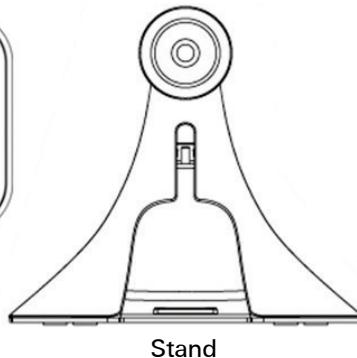
Network/WPS LED (Green, Amber)	<p>On (Green). Wireless network connection is available.</p> <p>Off. Wireless network is not connected or camera is not sending/receiving data.</p> <p>Blinking (Green). Data is being transmitted or received via the wireless connection.</p> <p>On (Amber). If the LED is on for 5 seconds and then turns off, the WPS function has failed.</p> <p>Blinking (Amber). The WPS connection is processing.</p>
Power LED (Green)	<p>On. Power on.</p> <p>Off. No power.</p> <p>Blinking. The Power LED blinks during start up for approximately 1 minute.</p>
Network Port	Use a Micro USB to RJ-45 Adapter Cable (not included) and a standard Ethernet cable (not included) to connect the camera to the Pulse Gateway or Total Security (TS) Base panel.
	<p>Note:</p> <ul style="list-style-type: none">• Plugging in the Micro USB to RJ-45 Adapter Cable will disable the wireless interface. Only one interface can be active at any time.• The Micro USB to RJ-45 Adapter Cable should only be connected or disconnected when the camera is powered OFF. Attaching or detaching the Micro USB to RJ-45 Adapter Cable while the camera is powered on does NOT switch the interface between wired and wireless.
DC Power Input	Connect the supplied 12V power adapter here. Do not use other power adapters; doing so may damage the wireless HD camera.
WPS/Reset Button	<p>Push the WPS button on the HD camera during the Pulse enrollment process to automatically create an encryption-secured wireless connection.</p> <ul style="list-style-type: none">• WPS Pin Code Mode. When pressed and held for 5 seconds, the camera enters WPS PIN Code mode.• Reset. When pressed and held over 15 seconds, the camera reboots and the settings are restored to default values.

Package Contents

The following items are included in the package.



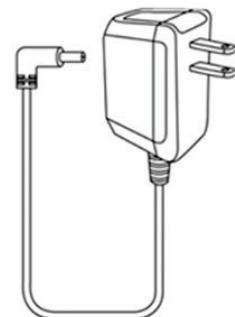
Camera



Stand



Screws /
Anchors (x2)



Power Adapter

Figure 3: What's in the Box

Chapter 2

Basic Setup

2

This section provides information on how to assemble and configure the RC8325-ADT Wireless HD Camera.

Installation

1. Assemble the Camera

Attach the Camera Stand to the camera.

2. Power Up

Connect the supplied 12V power adapter to the HD camera and power up. Use only the power adapter provided. Using a different one may cause hardware damage.



CAUTION: Use only the power adapter provided. Using a different one can result in hardware damage.

The Power LED turns on briefly, and then starts blinking. (The Power LED will continue to blink during startup, which takes about one minute. After startup is completed, the Power LED should remain ON.)

2. Make the Connection

Using a Wired Connection

If you are using a wired connection to the RC8325-ADT, connect a Micro USB to RJ-45 Adapter Cable (not included) to the USB port of the camera. Then use a standard Ethernet cable (not included) to connect to the Pulse Gateway or Total Security (TS) Base panel.

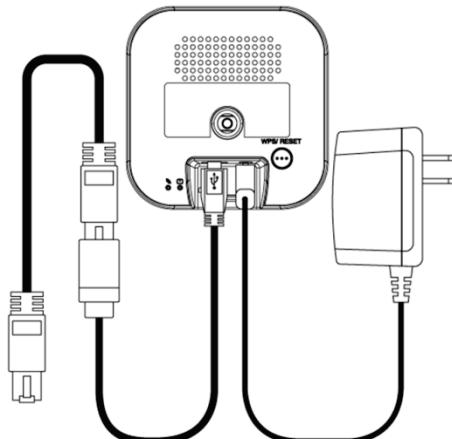


Figure 4: Wire Connections

Using a Wireless Connection

The wireless (WPS) connection between the camera and the Pulse Gateway or Total Security (TS) Base panel is performed during the Pulse enrollment. This process is detailed starting on page 12.



NOTE: The Wireless and LAN interfaces cannot be used simultaneously. Making a wired LAN connection disables the wireless interface.

4. Check the LEDs

- **Power LED.** At power up, the Power LED turns on briefly, and then starts blinking. It blinks during startup, which takes about one minute. After startup has completed, the Power LED remains on.
- **Network/WPS LED.** At power up, the Network/WPS LED is off. (The Network/WPS LED will flash amber when the camera attempts to connect wirelessly to the Pulse Gateway / TS Base. The Network/WPS LED will turn solid green when the wireless connection is successful.)

5. Enroll the Camera in ADT Pulse

This process is described in the next chapter, **ADT Pulse Enrollment**.

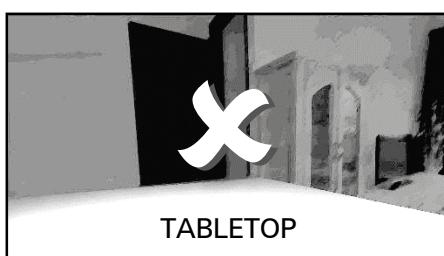
6. Mount the Camera

Place the camera in a location near a power source. For mounting on a wall using the mounting plate, see **Chapter 4 Wall Mounting** on page 17.

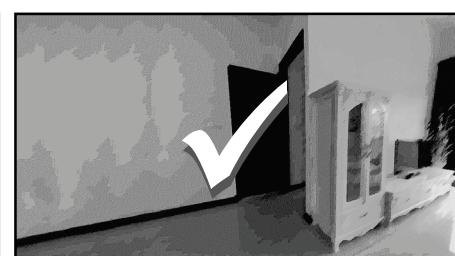
Mounting Suggestion

To get the best video quality for targets at night, make sure that the camera's field of view does not include a large foreground object, such as tabletop or side wall. If installing on a tabletop, place the camera as close to the edge as possible, as demonstrated in the photos in row 1 below. If installing on a wall, angle the camera so that a minimal portion of the wall is visible, as demonstrated in the photos in row 2 below.

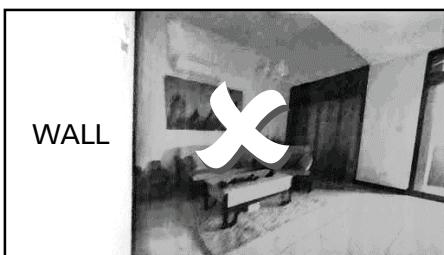
①



TABLETOP



②



WALL



Chapter 3

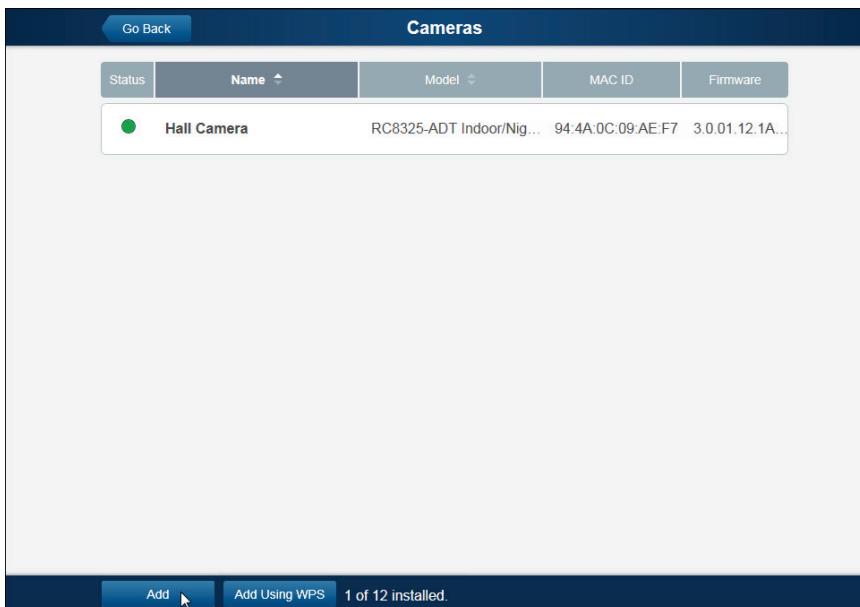
ADT Pulse Enrollment

3

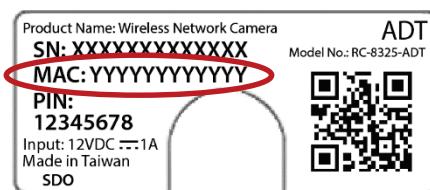
This section provides examples of two different methods for enrolling the RC8325-ADT HD Camera into the ADT Pulse network. (1) The first method uses a wired connection to enroll the HD Camera to a Pulse Gateway or TS Base panel via the Pulse Portal or TS Installer App. (2) The second method uses WPS to wirelessly enroll the HD Camera to a Gateway or TS Base panel via the ADT Pulse Portal or TS Installer App. The WPS method is described beginning on page 12.

Using a Wired Connection to Enroll the Camera

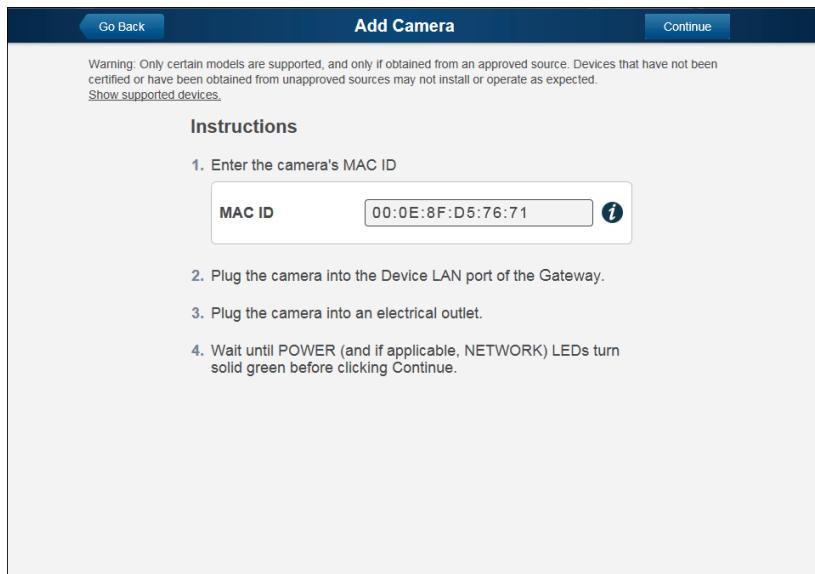
1. Set up the camera, as described in the previous chapter.
2. Launch an Internet browser and log in to the Pulse portal or TS installer app.
3. Enter the *Manage Devices* screen using one of these methods:
 - For the Pulse portal, select the System tab and click **Manage Devices**.
 - For the TS installer app, click the **Pulse Devices** link.The *Manage Devices* screen displays.
4. In the *Manage Devices* screen, click **Cameras**.
5. Click the **Add** button at the bottom of the screen.



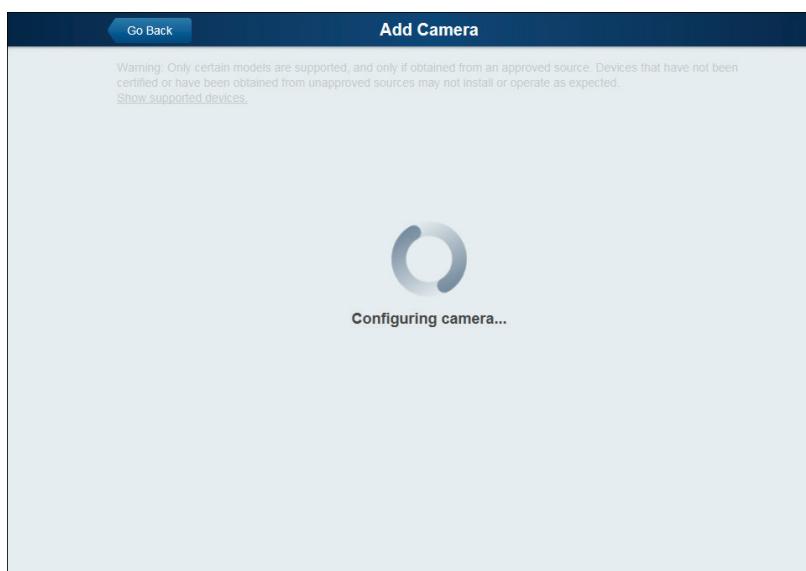
6. Locate the camera's **MAC ID** on the label on the rear of the camera.



7. On the *Add Camera* screen, enter the camera's **MAC ID**. Do not click **Continue** at this time.



8. Ensure that the camera is connected to the device port of the Gateway using the Micro USB to RJ-45 Adapter Cable / Ethernet cable and connected to the supplied 12VDC power adapter.
9. After the Power and Network LEDs turn on solid green, click **Continue**.
10. Wait for the camera to add. It could take a few minutes, especially if an upgrade is required.



11. Assign the camera a unique name (usually based on the location of the camera) in the **Name** field, and then click the **Save** button at the upper right of the screen.

Camera Details	
Name	Living Room Camera
Model	RC8325-ADT Indoor/Night HD Camera
MAC ID	00:0E:8F:D5:76:71
Firmware	2.0.30ADT
Video Bandwidth	Medium (up to 512Kbps)

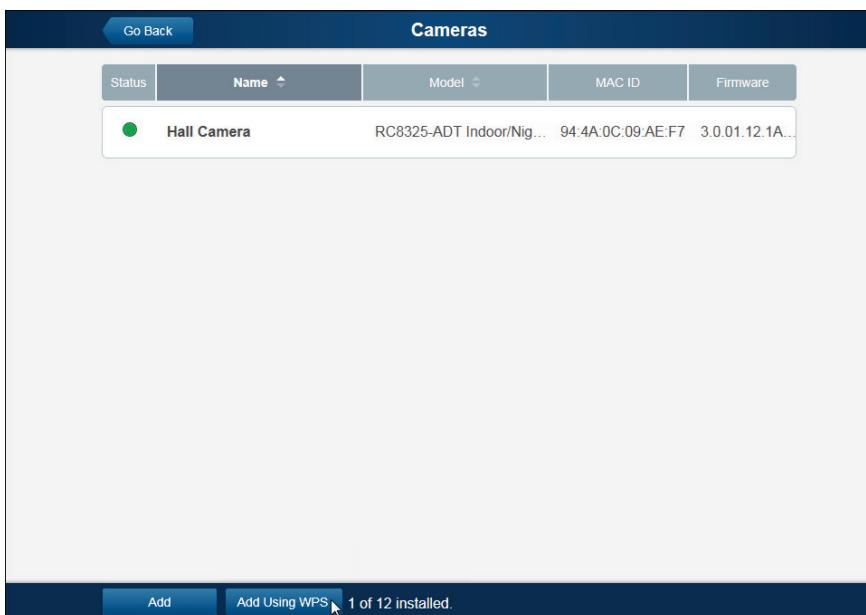
12. The *Cameras* screen appears, now displaying the added camera.

Status	Name	Model	MAC ID	Firmware
●	Hall Camera	RC8325-ADT Indoor/Nig...	94:4A:0C:09:AE:F7	3.0.01.12.1A...
●	Living Room Camera	RC8325-ADT Indoor/Nig...	D4:21:22:E8:FA:F9	3.0.01.12.1A...

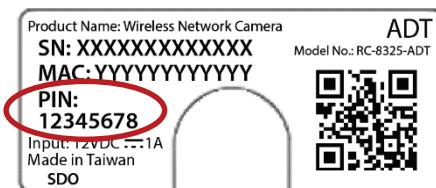
13. At the top left of the screen, click **Go Back**.
14. You are returned to the *Manage Devices* screen. The total number of installed cameras has increased by one. Click **Close**.
15. Click **Close** again to confirm.
16. Disconnect the camera from the Gateway and remove from power.
17. Install the camera in its final location. For *Wall Mounting*, refer to Chapter 4.

Using a Wireless Connection to Enroll the Camera

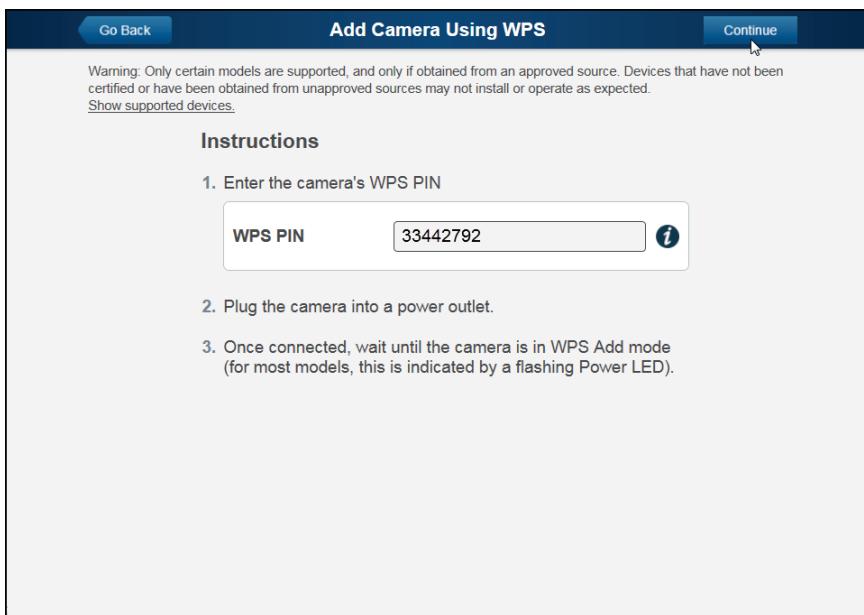
1. Set up the camera, as described in Chapter 2.
2. Launch an Internet browser and log in to the Pulse portal or TS installer app.
3. Enter the *Manage Devices* screen using one of these methods:
 - For the Pulse portal, select the **System** tab and click **Manage Devices**.
 - For the TS installer app, click the **Pulse Devices** link.The *Manage Devices* screen displays.
4. In the *Manage Devices* screen, click **Cameras**.
5. Click the **Add Using WPS** button at the bottom of the screen.



6. Locate the **PIN** number located on the label on the rear of the camera.

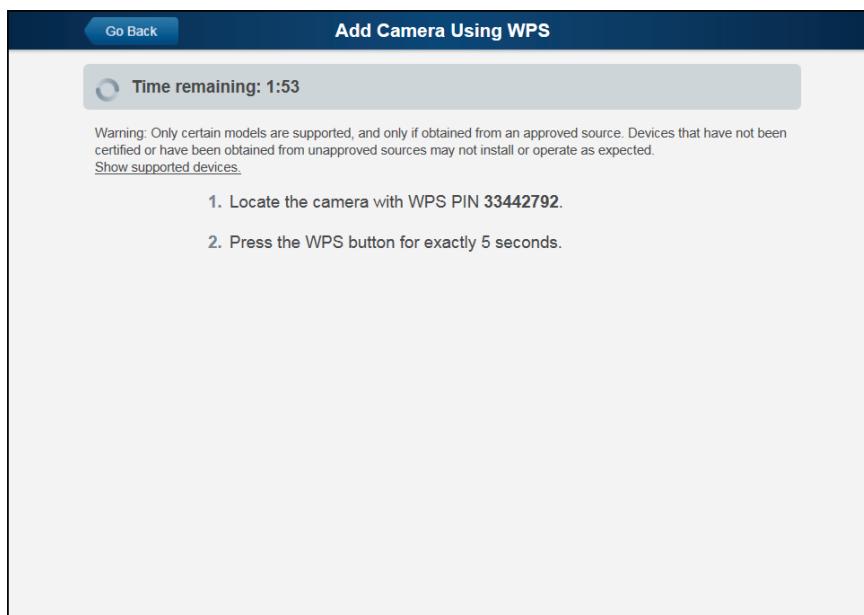


7. On the *Add Camera Using WPS* screen, enter the **PIN** number in the **WPS PIN** field.



8. Ensure that the camera is powered on, and then click the **Continue** button to initiate the WPS process.

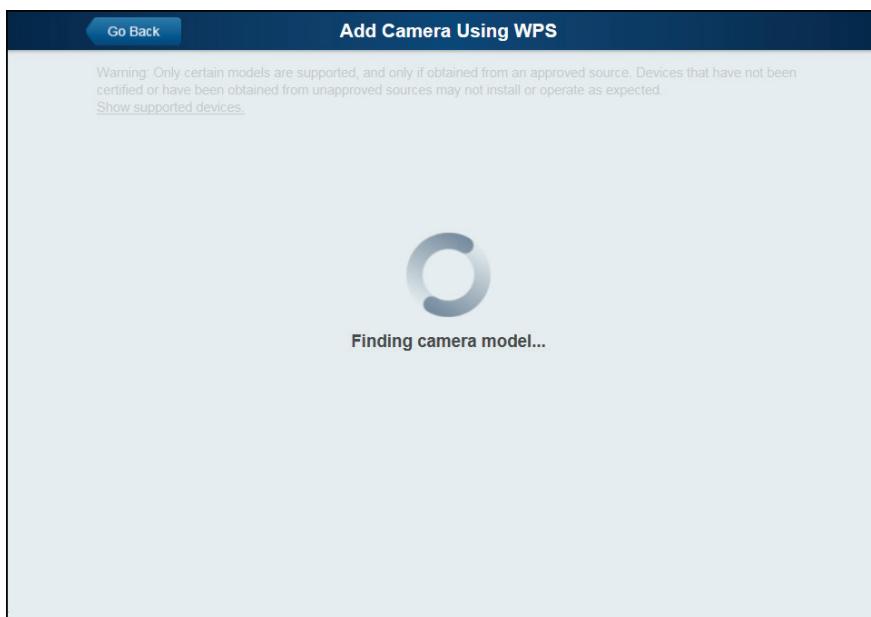
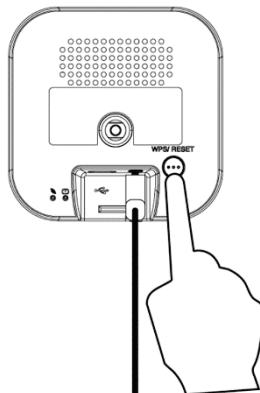
The following screen appears.



9. Press and hold the **WPS/RESET** button on the camera for 5 seconds to establish a wireless connection.

Note: You must complete the WPS connection within 2 minutes or else the process will time out. The time remaining is displayed in the upper left portion of the screen.

The Network/WPS LED flashes amber as the Gateway attempts to connect to the camera. The wireless connection is successful when the Network/WPS LED turns solid green.



- When the *Camera Details* screen appears, showing that the camera has been enrolled, assign the RC8325-ADT a unique name (usually based on the location of the camera) in the *Name* field, and then click **Save**.

Camera Details

Name	Living Room Camera
Model	RC8325-ADT Indoor/Night HD Camera
MAC ID	00:0E:8F:D5:76:71
Firmware	2.0.30ADT
Video Bandwidth	Medium (up to 512Kbps)

Save

The Pulse enrollment is complete. The newly-added device appears in the *Cameras* list.

Cameras

Status	Name	Model	MAC ID	Firmware
●	Hall Camera	RC8325-ADT Indoor/Nig...	94:4A:0C:09:A:E:F7	3.0.01.12.1A...
●	Living Room Camera	RC8325-ADT Indoor/Nig...	D4:21:22:E8:FA:F9	3.0.01.12.1A...

Add Add Using WPS 2 of 12 installed.

- At the top left of the screen, click **Go Back**.
- You are returned to the *Manage Devices* screen. The total number of installed cameras has increased by one. Click **Close**.
- Click **Close** again to confirm.
- Disconnect the camera from power.
- Install the camera in its final location. For *Wall Mounting*, refer to Chapter 4.

If the Camera Continually Goes Offline

If after enrolling it the camera, it continually goes offline (Power LED blinks continually), the camera will automatically attempt to recover the wireless connection. If the camera cannot recover on its own, take the following measures to re-establish the Wi-Fi connection.

1. Power cycle the camera.
2. If the previous measure fails, move the Pulse Gateway closer to the camera.
3. If the previous measure fails, press the camera's reset button for 15 seconds, and then re-enroll the camera into Pulse.
4. If the previous measure fails, install a Wi-Fi Range Extender model WN3000RPH-2ADPAS.

Chapter 4

Wall Mounting

4

This section provides details for final mounting of the RC8325-ADT Wireless Day/Night HD Camera. You should ensure that the camera is configured and enrolled in ADT Pulse before permanently mounting it.

1. Locate the mounting plate at the bottom of the camera stand and slide the mounting plate forward to release it from the stand.
2. Hold the mounting plate at the location where you would like to mount the camera and mark the location of the two mounting holes.
3. Drill two pilot holes on the mounting surface at the marked locations.
4. Align the two mounting holes on the camera stand with the two pilot holes, and mount the mounting plate to the surface using the two screws supplied.

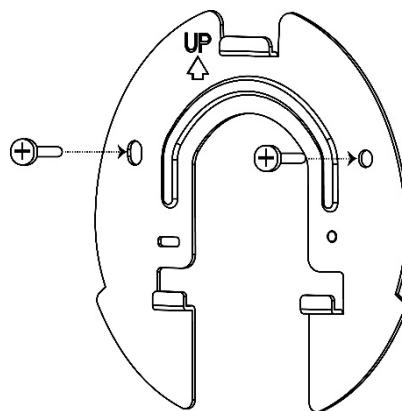


Figure 5: Installing the Mounting Plate

5. Slide the camera stand onto the mounting plate until it clicks into place.

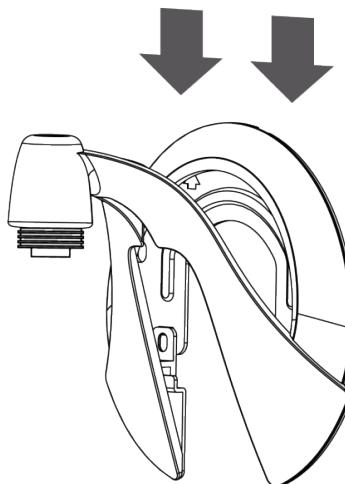


Figure 6: Mounting the Camera Stand

6. Remove the cable organizer from the stand. Insert the cables into the hole and run cables through the organizer. Place the organizer back on the stand.
7. Connect the power cable (and USB to RJ-45 Adapter Cable, if used) into the back of the camera and plug the adapter end into a power outlet.



CAUTION: Use only the power adapter provided. Using a different one can result in hardware damage.

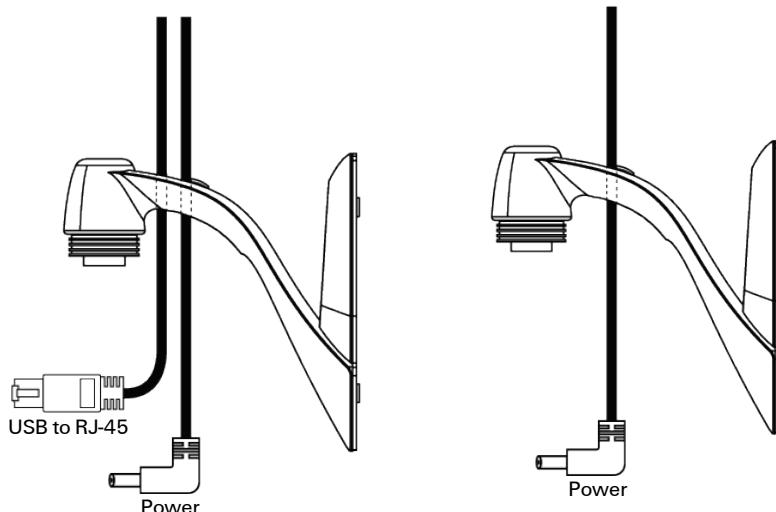


Figure 7: Routing the Cables

8. Screw/attach the camera onto the camera stand.

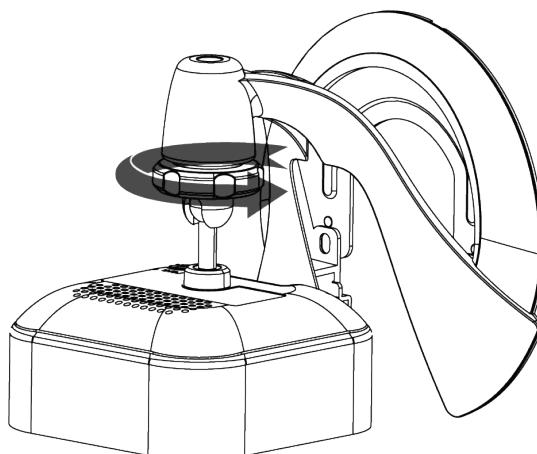


Figure 8: Attaching the Camera

9. Adjust the camera to a desired position and secure it firmly.
10. Verify that the camera is active on the wireless network and is recognized by ADT Pulse.

Note: If the camera does not re-connect, use of the ADT Wi-Fi extender (part no. WN3000RPH-2ADPAS) may be recommended to improve wireless connectivity.

Appendix A

Specifications



RC8325-ADT Wireless Day/Night HD Camera

Model	RC8325-ADT
Dimensions W x H x D	2.56" x 2.56" x 1.34" (65mm x 65mm x 34mm)
Operating Temperature	32°F to 104°F (0°C to 40 C)
Video Compression	H.264 and MJPEG
Image Resolution	1280x 720, 640x480, 320x 240 (QVGA)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Network Protocols	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, SMTP, FTP, HTTP, HTTPS, DDNS, RTP, RTSP, RTCP, UPnP
Network Interface	1 RJ-45 LAN connection for Ethernet through Micro USB to RJ-45 Adapter Cable
Wireless Interface	IEEE 802.11n/802.11b/802.11g compatible, WEP 64/128 bit, WPA/WPA2 personal security support
LEDs	2, Power and Network/WPS
Power Adapter	12V/1A, 100 to 240 VAC

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.