

# abode Outdoor Smart Camera

## User Guide

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# 1. Introduction

Outdoor Smart Camera (OSC) is designed to replace conventional doorbells by providing remote video streaming access, two-way communication via Wi-Fi network. OSC is an AC-powered video doorbell that is designed for you to view and speak with the visitor at the door with a smartphone from anywhere. OSC may also be used with the included DC-powered mount that allows the device to be used as an outdoor or indoor security camera. The built-in PIR sensor is designed to give a typical detection range of 5 meters and has 105 degrees viewing angle to the front.

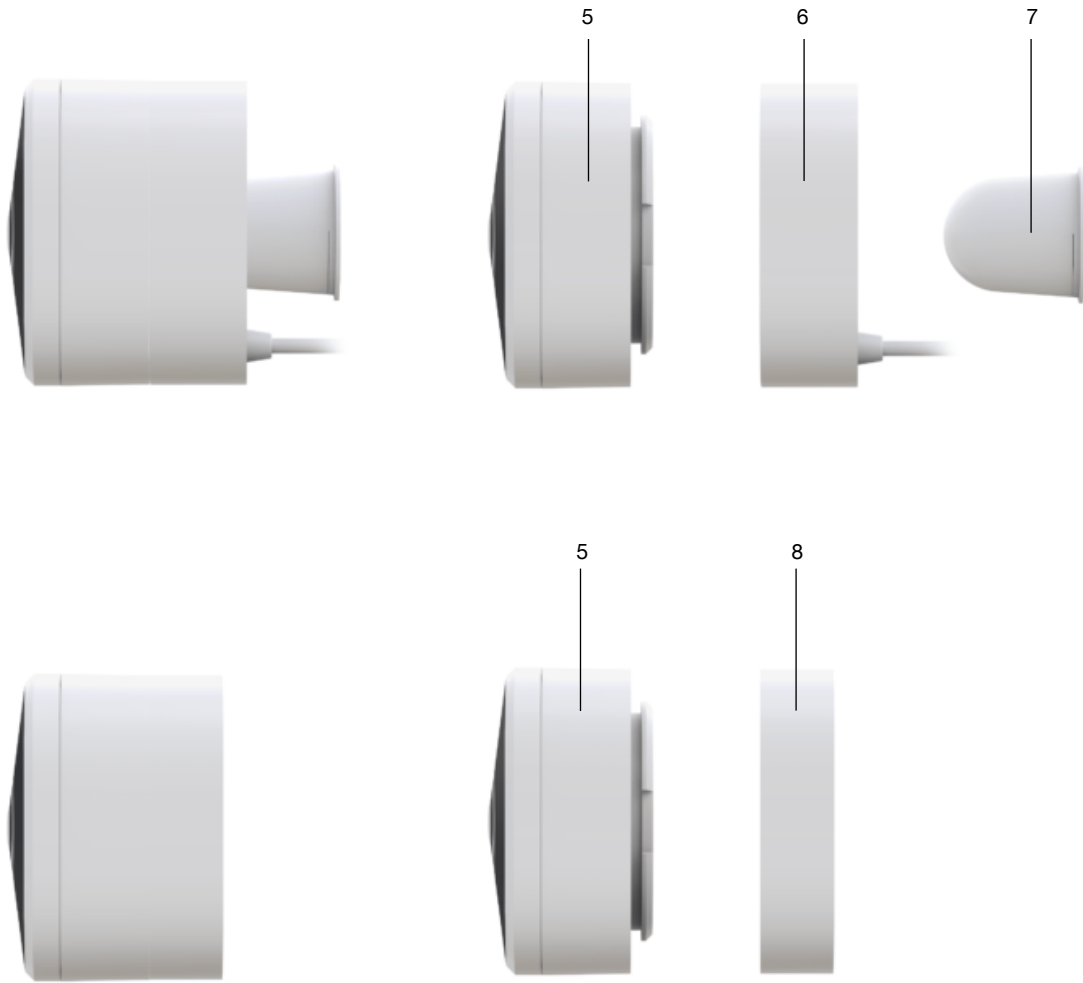
The doorbell functions either as a part of the Abode alarm system by connecting to an Abode security system Control Panel, or as a standalone device. Setup and remote access of OSC is performed via smartphone application developed by Abode Systems, Inc..

## 2. Application Overview

### 2.1 Parts Overview



Front



**Side (AC-Powered Attachment)**

1. Microphone
2. Lens
3. LED light ring
4. PIR sensor
5. Camera body
6. DC camera mount
7. Magnetic mount
8. AC doorbell mount

## 2.2 Power Supply

The OSC uses 8~24V AC power or 5V DC power as its power source.

### For AC-Powered (Doorbell) Setup:

Loosen the two screws on the back of the Doorbell Mount. Connect hardwired AC doorbell wires to the inputs on the mount and rescue screws. Install OSC Camera Body to the Doorbell mount by rotating the device 90 degrees to lock into place. Secure bottom security lock screw.

\*Note: It is recommended to use wire with a diameter less than 15mm to connect to the power input. The torque on the screw should be less than 24.5 nm (2.5 kg-m)

### For DC (Security Camera) Setup:

With the Corded Attachment unplugged from power source, rotate the Camera Body 90 degrees to lock into place on Attachment. Secure bottom security lock screws. Plug USB power cable into a 5V powered USB Type-A port to power camera, or plug USB power cable into included AC wall adapter. Plug wall adapter into wall to power camera.

## 2.3 LED Indicators

The OSC has built-in RGB LEDs to indicate device status.

<b>Blue</b>	Flash every 2 seconds (ON for 1 second, OFF for 2 seconds)	Wi-Fi setup mode
	Spinning	Motion triggered, waiting for answer
	Breathing/pulsing at 2 second rate (fade ON for 1 second, fade OFF for 1 second)	Video/audio streaming or 2-way voice
<b>Amber</b>	ON for 2 seconds	Finished warm up upon power on, entering normal operation
<b>Green</b>	ON for 3 seconds	Successfully setup/paired to wifi.
<b>Red</b>	Spinning	Wi-Fi connection problem
	Flash every 1 second (ON for 1 second, OFF for one second)	Unable to connect to server
	Quick flash 5x	Setup failed
<b>Amber/White</b>	3 quick amber flashes, then 2x spinning white circles	Reset to factory default

\*Note: It takes about 1 minute for VDP to connect to Wi-Fi after power on. Before the Wi-Fi connection is established, the Red LED may flash momentarily.

## 2.4 Equipment Required

The following equipment is required to use OSC:

- A router supporting 2.4 GHz Wi-Fi network. The OSC should be connected to this router with access to internet and the Abode mobile app.
- An iPhone or Android smartphone  
Android version requirement: Android 5.1 or above. iPhone version requirement: iOS 9 or above.
- If planning to use the OSC with your existing alarm system, an Abode security system alarm panel is required – the panel must be registered a valid Abode user account. If planning to use the OSC as a standalone device, no Abode security system device is required.

## 2.5 Hardware Installation

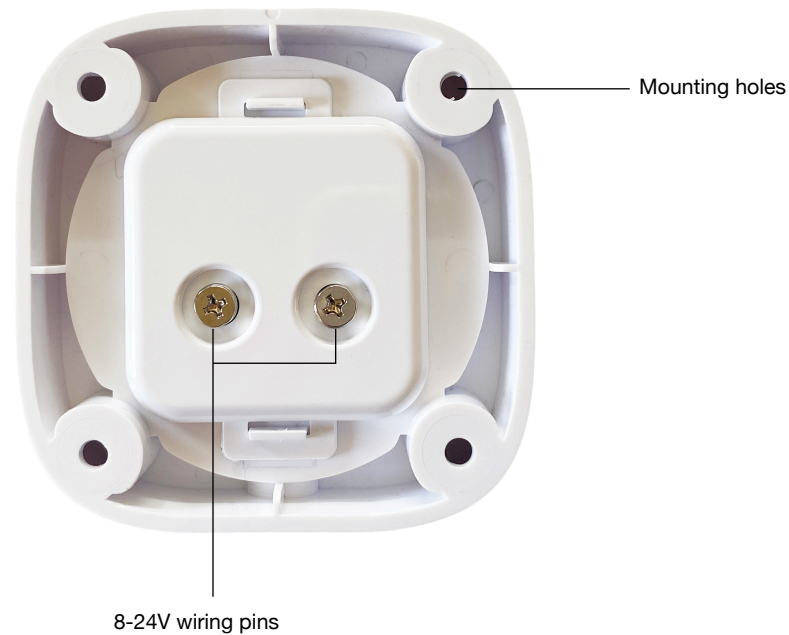
Step 1. Installation height is recommended to be at least 4.5 feet (1.4 meters) from the ground in both doorbell and security camera configurations. Before you begin installation for doorbell mode, identify the doorbell circuit breaker and turn OFF main power to that circuit.

Step 2. Remove Camera Body and mounts from package. Determine which mount will be used.

### For AC-Powered (Doorbell) Setup:

Loosen the two screws on the back of the Doorbell Mount. Connect hardwired 8-24V AC doorbell wires to the inputs on the mount and rescue screws. Mount Doorbell Mount to exterior of the house on door frame or siding using the included mounting screws. Use the included wall anchors if installing on stone or masonry. Install OSC Camera Body to the Doorbell mount by rotating the device 90 degrees to lock into place. Secure bottom security lock screw.

Doorbell compatibility— the OSC is compatible with 8-24V AC-powered electronic and mechanical doorbell chimes operating on a two-wire system. The camera is not compatible with wireless doorbells.



For DC-Powered (Security Camera) Setup:

With the Corded Attachment unplugged from power source, rotate the Camera Body 90 degrees to lock into place on Attachment. Secure bottom security lock screws. Plug USB power cable into a 5V powered USB Type-A port to power camera, or plug USB power cable into included AC wall adapter. Plug wall adapter into wall to power camera.

Step 3. If using Corded Attachment determine best placement of camera before permanently installing. The camera may be used sitting flat on a surface inside (such as a shelf), or mounted inside or outside using the included Magnetic Mount. To install the Magnet Mount, use the included mounting screw to mount the Magnetic Mount metal bracket to a solid surface. Rotate to lock Magnetic Mount to metal bracket. Confirm the connection is secure, then latch camera to mount and position to the desired angle.

Step 4. Supply power to the camera by either turning the circuit breaker back ON, or plugging in the Corded Attachment USB cable into a 5V USB port.

## 2.6 Setup with App

The Video Door Phone can be either incorporated into existing Climax security system as an accessory device, or used as a standalone device. Determine which application should be used with your Video Door Phone before proceeding to setup process.

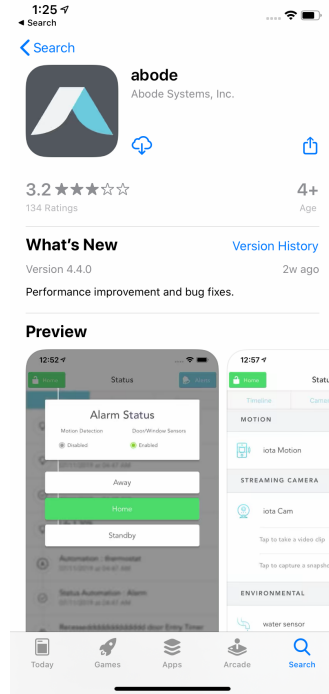
### OSC as an Alarm System Accessory

In order to incorporate the OSC into existing Abode security system, the Control Panel of the security system must be registered with a user account in the Abode mobile app.

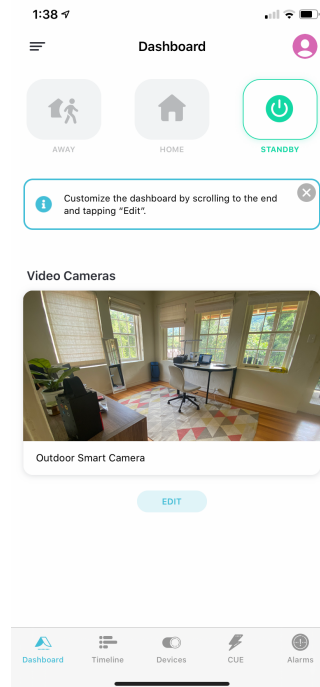
A smartphone with the Abode app installed is required to perform setup. Search for the app in Google Play or Apple App Store, type “abode” into the search bar, then download the application.

1. Open the Abode app and enter your existing user account and password.
2. Power up OSC using the Corded Attachment. Wait up to 30 seconds for the device to warm up. Warm-up is complete when the LEDs turn amber for 2 seconds.
3. Select the menu button on the top left, then select Add Device.
4. Choose Outdoor Smart Camera option. Follow in-app prompts to add the camera to your account. Camera LEDs will flash blue every 2 seconds during Wi-Fi setup. Once setup is successful the LEDs will turn green for 3 seconds.
5. After successfully adding your OSC to your account the camera may be powered down and re-installed in desired location (doorbell or security camera) and re-powered. Video stream and recorded clips from the camera will be accessible on the Abode app Dashboard.





Abode App in App Store



Outdoor Smart Camera Dashboard Preview

## OSC as a Stand-Alone Device

Using OSC as standalone device does not require any other Abode security system panels. A smartphone with the Abode app installed is required to perform setup. Search for the app in Google Play or Apple App Store, type “abode” into the search bar, then download the application.

1. Open the Abode app and follow the prompts to create a new Abode account.
2. Power up OSC using the Corded Attachment. Wait up to 30 seconds for the device to warm up. Warm-up is complete when the LEDs turn amber for 2 seconds.
3. Select the menu button on the top left, then select Add Device.
4. Choose Outdoor Smart Camera option. Follow in-app prompts to add the camera to your account. Camera LEDs will flash blue every 2 seconds during Wi-Fi setup. Once setup is successful the LEDs will turn green for 3 seconds.
5. After successfully adding your OSC to your account the camera may be powered down and re-installed in desired location (doorbell or security camera) and re-powered. Video stream and recorded clips from the camera will be accessible on the Abode app Dashboard.

***Federal Communication Commission Interference Statement***

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

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.

***FCC Caution:*** 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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.