



## **NAPCO ISV2-DOME-WIFI HD Indoor Outdoor 720p Mini Dome Installation Guide**

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**NAPCO iBridgeVideo ISV2-DOME-WIFI**  
HD Indoor / Outdoor Wired / Wireless Dome Camera with Active Deterrence  
**Installation Guide**

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<http://tech.napcosecurity.com/>

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## Description

The NAPCO ISV2-DOME-WIFI is an HD 1080P indoor/outdoor, network wired / wireless dome video camera that allows the viewing of live and recorded video clips through the bridge video App (Android or iOS). The ISV2-DOME-WIFI also allows for motion-triggered video clip push notifications. The camera is equipped with Active Deterrence, namely an integral spotlight and a 110dB siren. The selective Smart Detection option helps to reduce false alerts. In addition, the Two-way Talk feature includes an integral speaker and micro-phone with echo cancellation technology to allow the homeowner to clearly interact with pets and family or dissuade unwelcome guests. To activate the camera, an active NAPCO ComNet Dealer account at [www.NapcoComNet.com](http://www.NapcoComNet.com) is required.

- Wi-Fi Support (IEEE802.11b/g/n)
- Dual Internal Antenna 2x2 MIMO
- Wired Ethernet Connections Supported
- Maximum 30fps@ 2.0MP (1920 x 1080)
- True Day/Night Vision
- 2.8mm Fixed Lens
- Smart IR 30m (98ft.)
- Outdoor Rated IP67
- Active Deterrence: Integral Spotlight and 110dB Siren
- Smart Motion Detection

- Two-way talk: Integral speaker and microphone

## Included Components

- ISV2-DOME-WIFI Camera
- Mounting Plate and Template
- 12V Power Adapter
- Waterproof Connector
- Mounting Screws and Expansion Bolts
- Installation Guide (these instructions)

## Compatible Accessories

ISV2-WIFI-BOX ..... Round Back Box for ISV2-DOME-WIFI

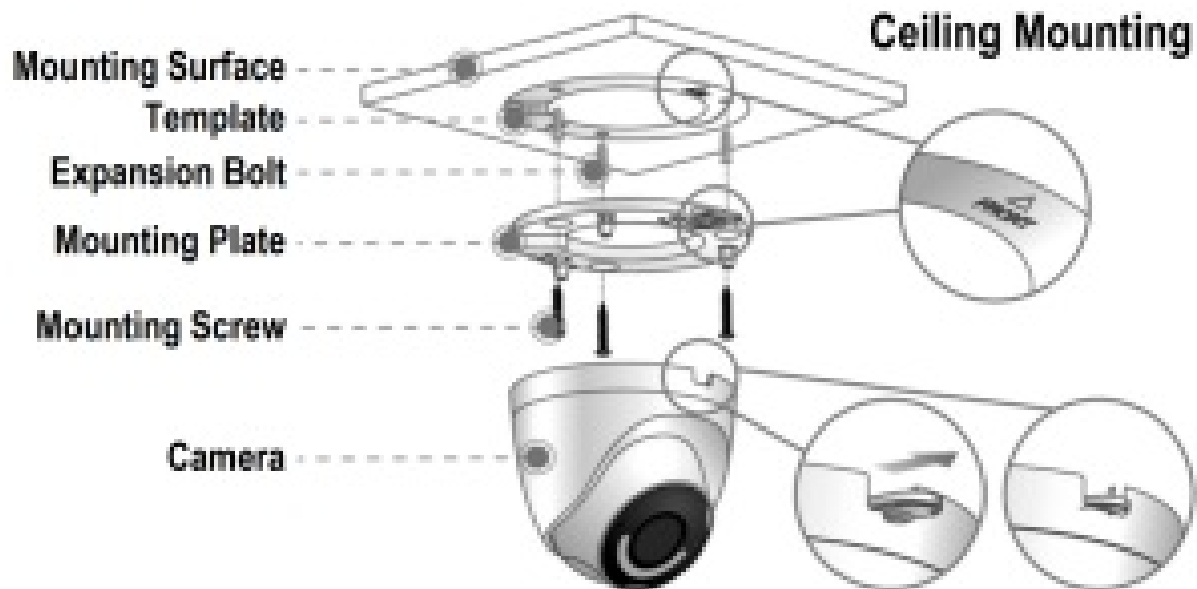
ISV2-DOME-BKT ..... Wall Mounting Bracket for ISV2-DOME-WIFI

### Quick Install Summary:

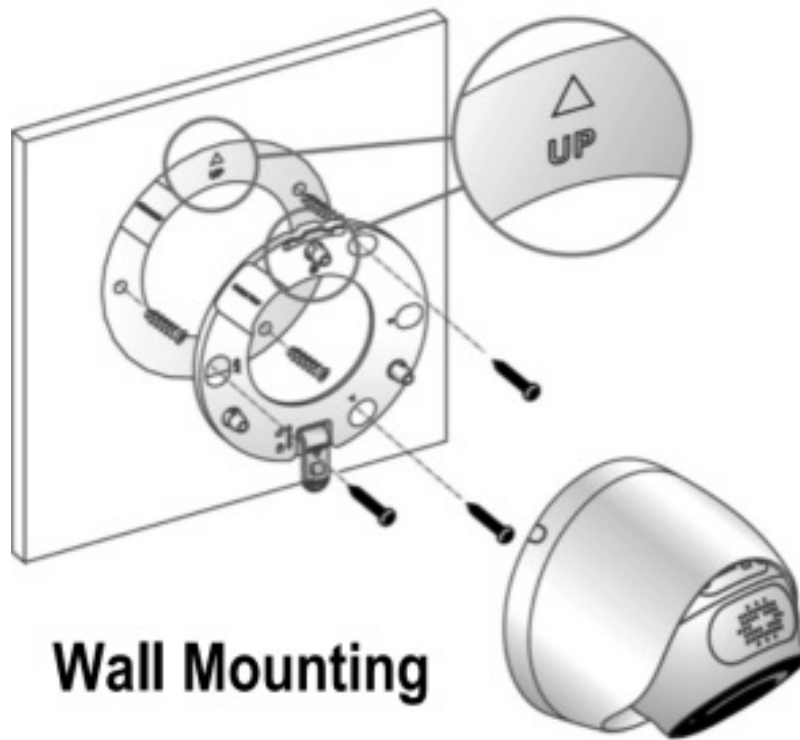
- Activate camera at [www.NapcoComNet.com](http://www.NapcoComNet.com).
- Install the bridge video app on the mobile device.
- Power camera.
- Connect the mobile device to a 2.4MHz Wi-Fi network.
- Launch the bridge video app and log in.
- Add the camera to the app via the wireless method (Wi-Fi connection) or wired (hardwired) options in the app.
- Mount camera at the desired location.

## Camera Mounting

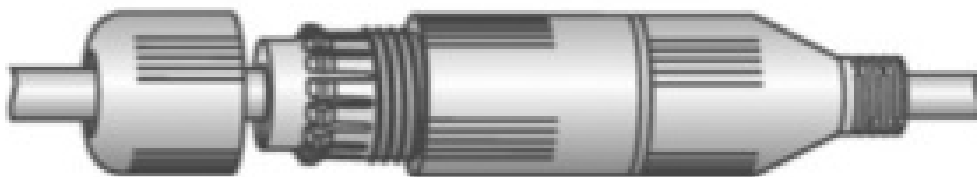
The mounting surface must support a minimum of 3lbs.



1. Match the Template to the Mounting Plate holes to locate the correct mounting holes for proper camera position.

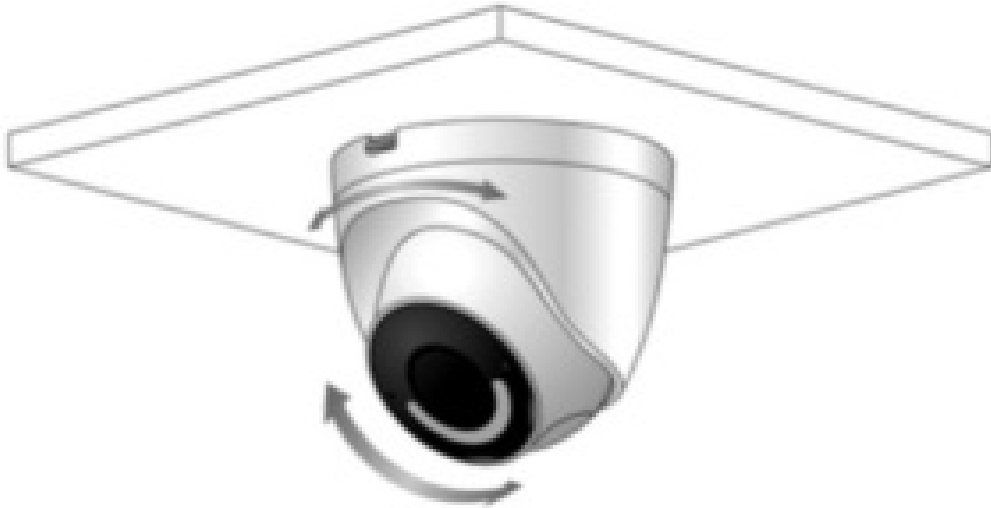


2. Affix the Template to the ceiling or wall. For wall mounting, position the UP arrow at the top. Mark the 3 mounting holes.
3. Using a drill bit slightly smaller than the diameter of the Expansion Bolts, drill 3 holes into the mounting surface. Fully insert the 3 Expansion Bolts.
4. Secure the Mounting Plate using the 3 Mounting Screws inserted into the three Expansion Bolts.



## Waterproof Connector

5. Route the Power and Ethernet Cable: Connect the Waterproof Connector to the Ethernet plug. Snake both cables through the center of the Mounting Plate (drill a 3/4" hole) run the cable through the notch in the Mounting Plate and along the mounting surface.
6. Align the notch in the Camera base with the front of the Mounting Plate. Push the Camera base into the Mounting Plate and slide away from the tab until it snaps securely in place.

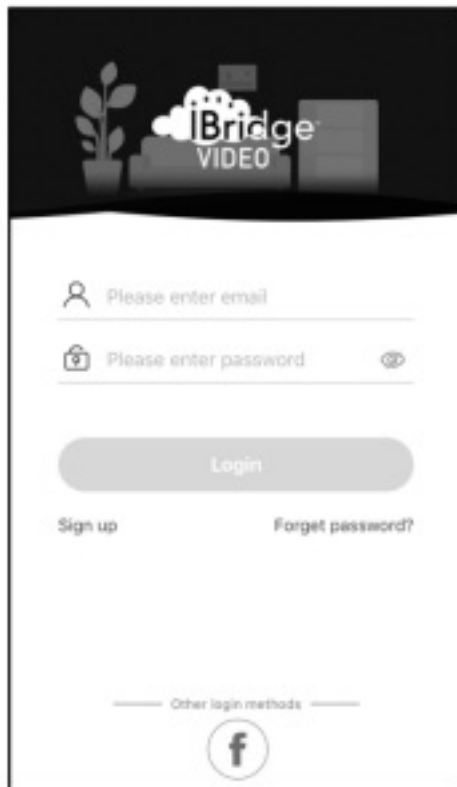


7. Adjust the Tilt, Pan angle, and lens Rotation.

### Camera Wi-Fi Enrollment Using the App

First, activate the camera(s) at [www.NapcoComNet.com](http://www.NapcoComNet.com), then perform the steps below. The camera must be powered and its green LED must be lashing continuously. Proceed as follows:

1. Connect the smart device to the local Wi-Fi network.
2. Open the iBridgeVideo app. Type a Username (full email address) and Password and tap Login.



3. Tap "+" to add the camera



4. Scan the QR code located on the base of the camera, then tap OK. If you have trouble scanning the code, tap Manually enter SN and type the serial number.



5. Tap Next to connect the camera to a network.



### LED Status Indications

When the camera is powered and operating normally, the green LED remains solid. Other LED indications are:

Off ..... Camera powered off or reboot (after reset) in progress

Read On ..... Boot in progress or camera error

Green Flashing ..... Waiting for network connection

Red Flashing ..... Network connection failed

### Green/Red

Alternate Flashing ..... Firmware update in progress

Green Solid ..... Normal operation

### Specifications

Video Compression ..... H.265/H.264

Image Sensor ..... 1/2.7" 2 Megapixel Progressive CMOS

Lens ..... 2.8mm

Field of View ..... Field of View: 114°(H), 59°(V), 135°(D)

Night Vision ..... 30m (98ft) Distance

Audio Compression ..... G.711

Audio Input ..... Omnidirectional Mic

Audio Output ..... Built-in Speaker

Bidirectional Talk ..... Supports 2-way Bi-directional talk

### Network

Wi-Fi ..... IEEE802.11b/g/n, 2.4GHz

Ethernet Port ..... 1×100 Mbps

### General

Ingress Protection ..... IP67

Memory Slot ..... Micro SD SDHC 32GB included; maximum size 256GB

Installation ..... Surface

Material ..... Metal + Plastic

Power Supply ..... 12VDC / 1A

Power Consumption ..... Standby<3W, Work <7W

Working Environment ..... -30°C ~ + 60°C (-22°F ~ 140°F)

Dimensions ..... 109.9 x 109.9 x 102.2mm (4.3 x 4.3 x 4 inches)

Weight ..... 352g (0.78lb.)  
Working Humidity ..... 10% ~ 95%RH

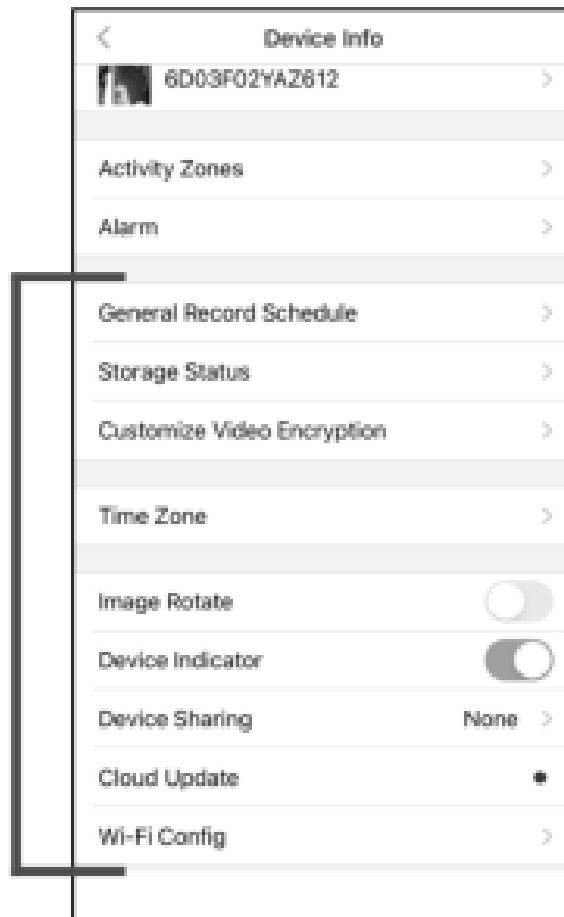
### ISV-DOME-WIFI Parts



\*SD card not included; SD card required for local motion detection storage in the iBridge app.

### Device Info Screen Features

The Device Info screen includes the following additional features:





### General Record Schedule:

Set a schedule for the internal SD card to continuously record video. When the SD card is full, the video overwrites the old recorded video to ensure continuous recording.

**Storage Status:** Check the status and remaining storage space of the internal SD card and in the Cloud.

**Customize Video Encryption:** Customize the video recording encryption settings.

**Device Indicator:** Turn on or turn off the camera status

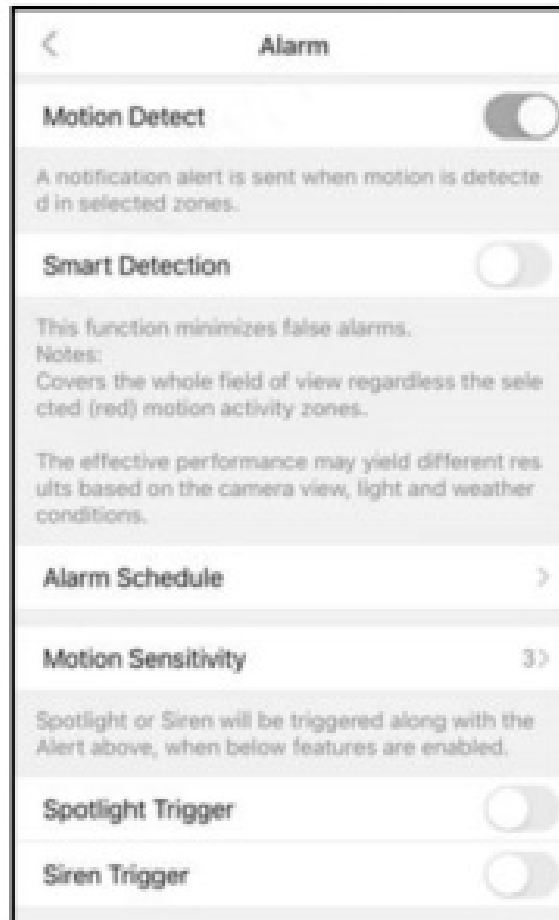
**LED. Device Sharing:** View/change users authorized to share camera video.

**Cloud Update:** Allow software updates when available.

**Wi-Fi Config:** View / select a new Wi-Fi network.

### Alarm Screen Features

The Alarm screen includes the following additional features:



**Smart Detection:** Enable the smart motion detection feature to help reduce false alerts.

**Alarm Schedule:** Set a schedule to select when to allow motion detection events (default setting is enabled 24/7)

**Spotlight Trigger:** Enable/disable camera spotlight triggered upon a motion event (a component of Active Deterrence feature).

**Siren Trigger:** Enable / disable 30-second 110dB siren triggered upon a motion event (component of Active Deterrence feature).

### Format the SD Card

The SD card is used to store local video recordings. To format the card:

1. In the **Device "Home"** screen, tap the ">" icon to open the Device Info screen.

**Note:** You can tap the ">" icon or anywhere on the title bar to open this screen.

#### 2. Tap Storage Status.

#### 3. Tap the blue Format Storage Device button.

The SD card will be formatted within a few seconds.

**Note:** If the message "SD card not found" or "Device storage is 'OFF'", ensure the Micro SD card is installed properly and the ISV-DOME-WIFI is running the latest firmware.

#### Reset to Factory Default Settings

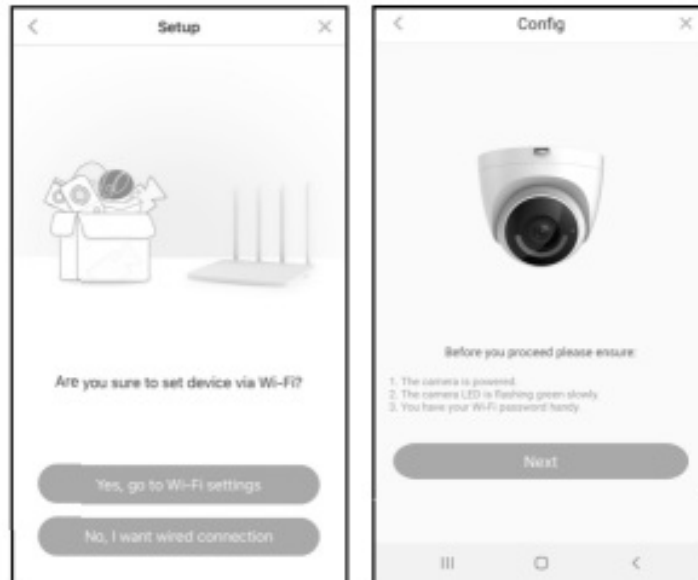
The camera **MUST** be powered before proceeding.

Press and hold the Reset button for 12 seconds or until you hear a beep, then release the button.

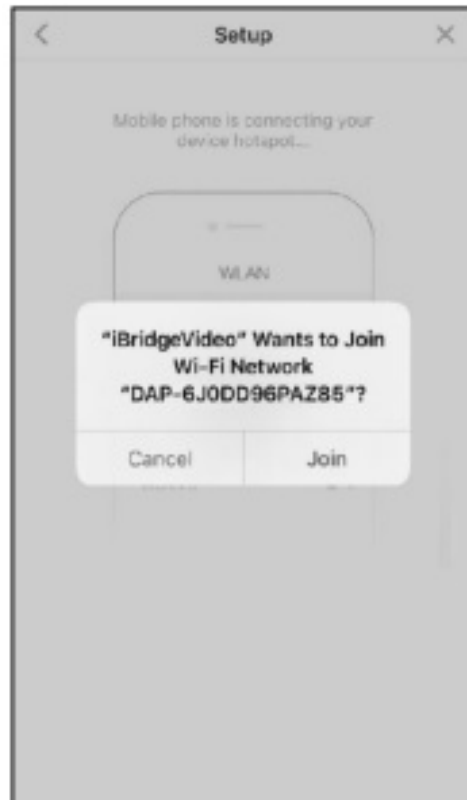
6. The camera's green LED will be flashing, indicating it is not connected to a network.

If using a hardwired connection without Wi-Fi, tap **No, I want a wired connection** (skip steps 7-10).

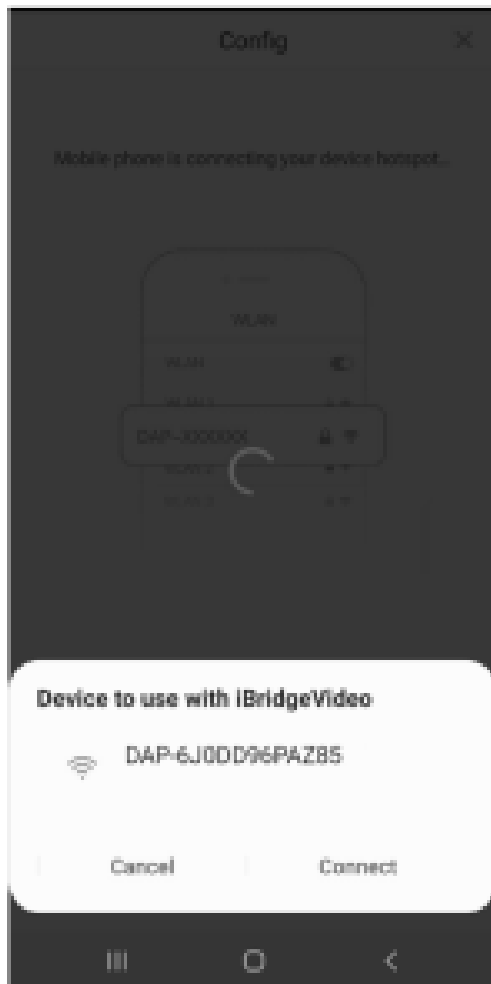
If using a Wi-Fi connection, in the screen below (left) tap **Yes, go to Wi-Fi settings**, then tap Next. **Helpful hint:** Have the password ready for the Wi-Fi network that you want the camera to use.



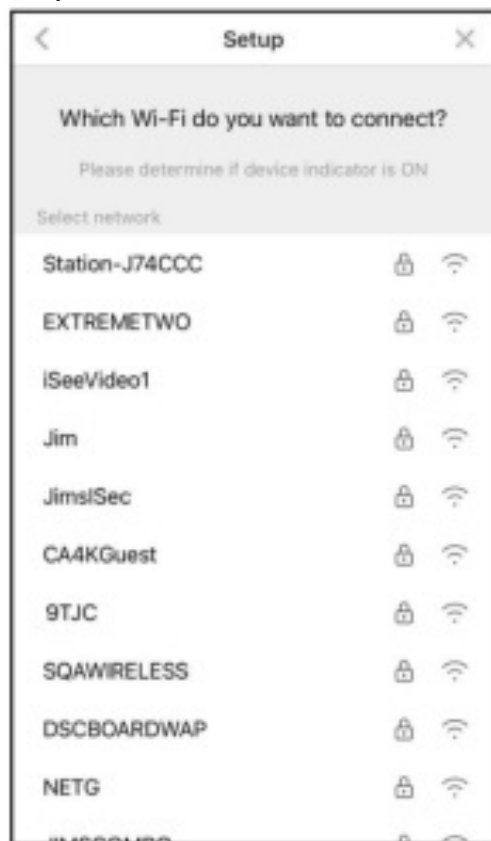
7. The app will now prompt you to connect to the camera's hotspot. With iOS devices, the screen below will appear. Tap Join to continue.



With Android devices, the screen below will appear. Tap Connect to continue.

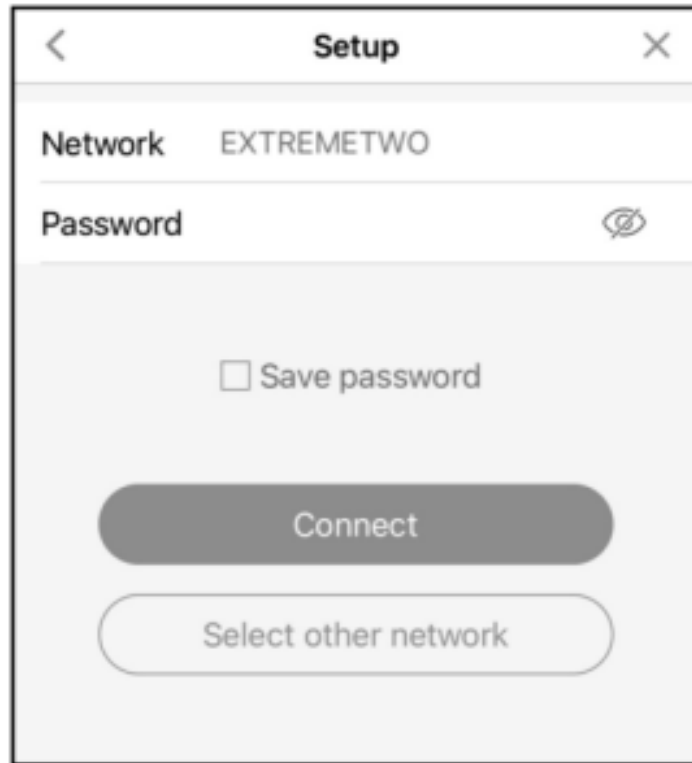


8. Select the 2.4GHz Wi-Fi network that you want the camera to use. **Note:** 5GHz Wi-Fi is not supported.



9. Type the SSID password of the Wi-Fi network (tap the “eye” icon to the right of the Password field to display the characters). The app will remember this password if the Save password is checked. When finished, tap Connect (the camera’s LED will start to flash). The password must be typed correctly or the camera will not connect to the

wireless network. To select another network, tap **Select another network**.

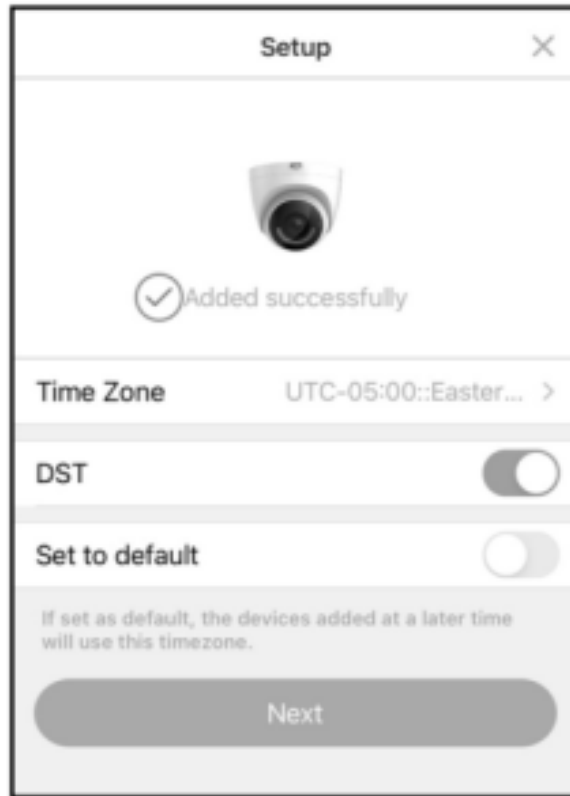


10. Wait for the Wi-Fi connection process to complete. If successful, the LED on the camera front will stop flashing and will turn on solid green. Tap Yes in the screen below (left) to continue. If unsuccessful, try again by tapping Add Again (it may take up to a minute to connect).

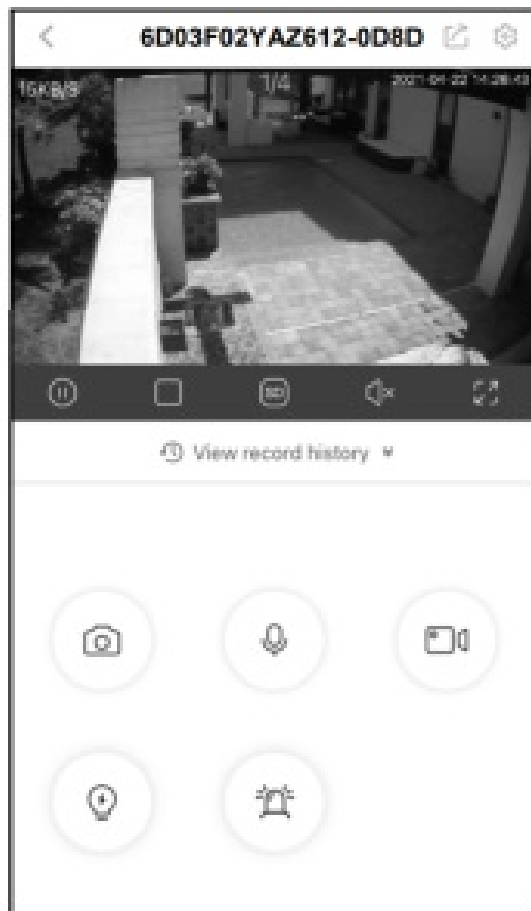


**If the Camera Does Not Connect (LED keeps Flashing)** Check the Wi-Fi signal strength at the camera location using the smart device to ensure there is sufficient signal strength (3 bars or more is recommended). Also, verify the Wi-Fi network password. If needed, tap the Add **Again** button to repeat steps 6-11.

11. A successful connection will display the confirmation screen (below). Confirm your Time Zone (tap the arrow to the right and select the from the pull-down list). You can also enable Daylight Saving Time (DST). To save these time settings in the app when connecting to future cameras, enable Set to default and tap Next.



12. Live video feed will appear.



The circular buttons in the above image are:

**Top row, left to right:**

**Snapshot** – Saves a snapshot to your device.

**Microphone** – Enables 2-way communication.

**Recording** – Records live video to your device.

**Bottom row left to right:**

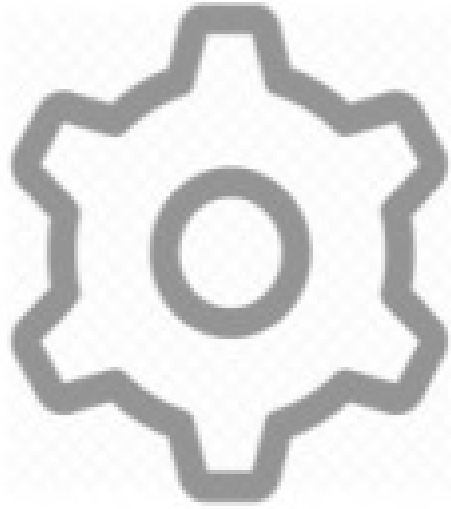
**Spotlight** – Enables camera spotlight for 30 seconds.

**Siren** – Triggers camera siren for 30 seconds.

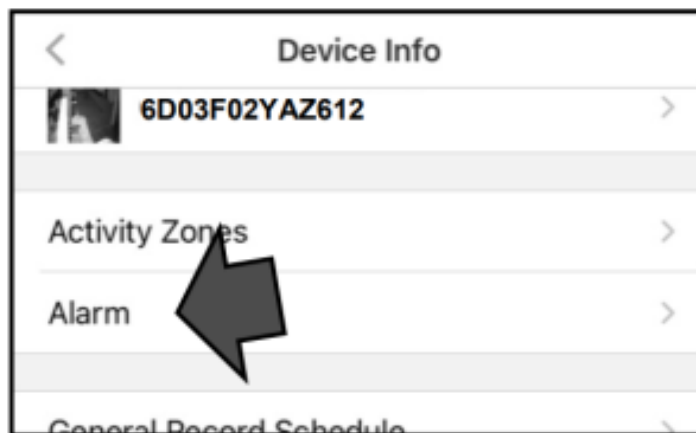
### Set Up Motion Detection

By analyzing and detecting changes in pixel properties, selecting Activity Zones allows the app to send push notifications and video clips when movement is sensed in a selected area.

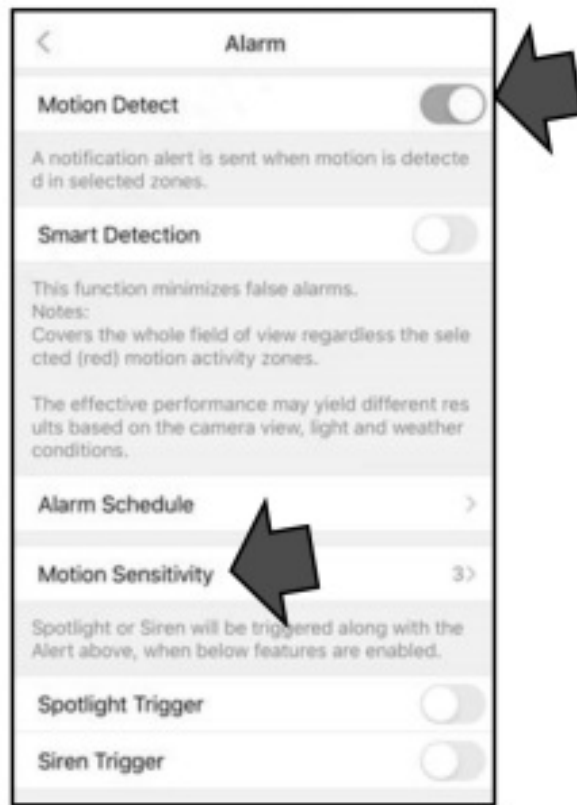
1. While viewing the camera live, open the Camera Settings screen (tap the “gear” icon).



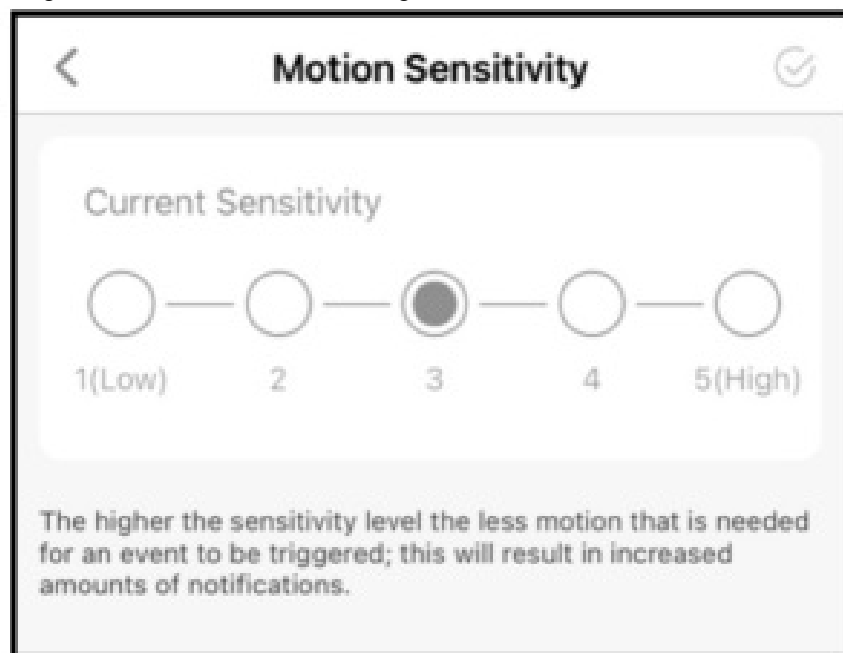
2. In the Device Info screen, tap Alarm.



3. Ensure **Motion Detect** is enabled, then tap **Motion Sensitivity**:



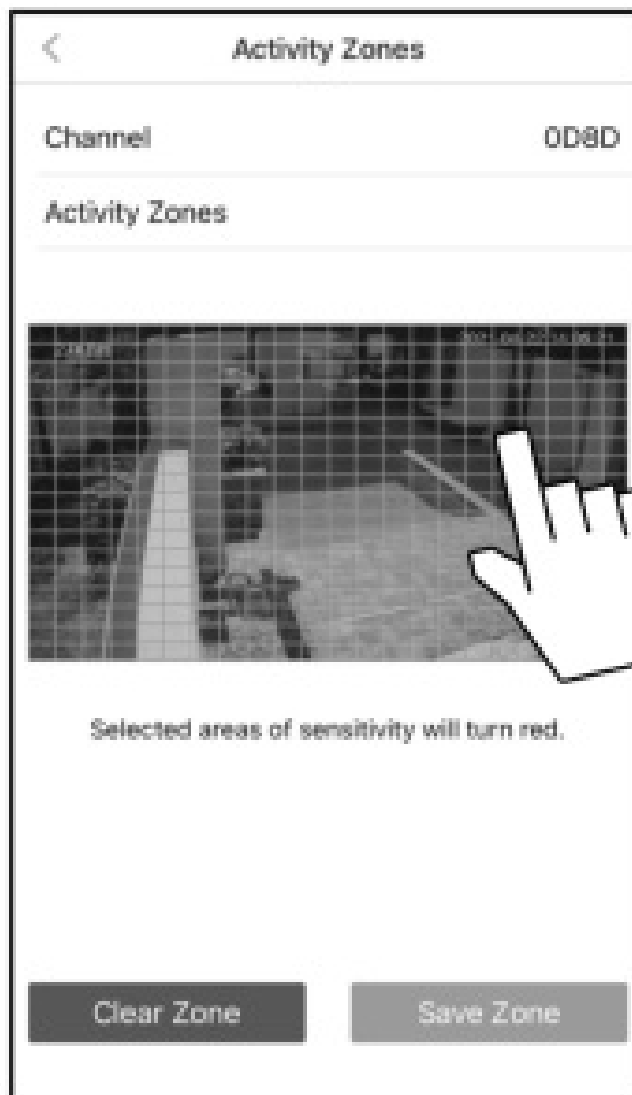
4. Use the screen below to adjust the **Motion Sensitivity** of the **Activity Zones** to be selected in step 6 (**Motion Sensitivity** can be adjusted at any time). The higher the sensitivity, the less motion is needed to trigger an event. **Note:** Higher sensitivity may increase the number of notifications. Enable Smart Detection to help reduce false alarms caused by moving bushes, tree branches falling leaves, etc.



At the top, tap the checkmark to save. Tap the “<” arrow to return to the **Device Info** screen.  
5. In the **Device Info** screen, tap **Activity Zones**.



6. In the video image (see example image below) “tap and hold” to select the matrix boxes where you want the camera to detect changes. The areas that will detect motion activity will turn red.



To clear ALL red boxes, tap **Clear Zone** and start again.

7. When finished, tap **Create Zone** to save.

**Helpful Tip:** To avoid nuisance triggers, the selected red detection areas must be limited to areas of anticipated activity. Changes in pixels may be caused by blowing tree branches, falling leaves, motion floodlights, sun and shade changes caused by cloud cover, etc. Be sure to exclude (clear) these areas from the selected (red) detection areas.


**Smart Detection**



- Notes:** 1. Covers the whole field of view regardless of the selected (red) motion activity zones.  
2. The effective performance may yield different results based on the camera view light and weather conditions.

## NAPCO iBridgeVideo ISV2-DOME-WIFI Installation Guide

### Documents / Resources

	<p><a href="#">NAPCO ISV2-DOME-WIFI HD Indoor Outdoor 720p Mini Dome</a> [pdf] Installation Guide IBVDOMEWIFI, AD8IBVDOMEWIFI, ISV2-DOME-WIFI HD Indoor Outdoor 720p Mini Dome, H D Indoor Outdoor 720p Mini Dome, 720p Mini Dome, Mini Dome</p>
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