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NAPCO iBridgeVideo ISV2-CAM-BATK1

1080p Full HD Indoor / Outdoor *Wire Free* Battery-Powered Camera and Base Station Kit

Installation Guide



WI2362LF 5/21

Description

The NAPCO **ISV2-CAM-BATK1** is an Full HD 1080p indoor / outdoor "wire-free" camera that allows the viewing of live and recorded video clips through the **iBridgeVideo App** (Android or iOS). The easy-to-install kit includes both a dedicated Wi-Fi "Base Station" and wireless camera (up to 6 cameras can be linked to one Base Station). With its outdoor IP65 rated water-resistant design, the camera is also powered by a rechargeable battery and is "wire free", allowing you to mount the camera almost anywhere without worrying about network cables or power wiring or the weather. With the easy to install iBridgeVideo app (available at your favorite app store), the **ISV2-CAM-BATK1** allows for motion-triggered video clip email notifications. Activation requires an active NAPCO ComNet Dealer account (visit www.NapcoComNet.com). Features include:

- 1080P Full HD Video
- 100% Wire-Free (Free of network and power wiring)
- Rechargeable battery in camera.
- PIR Detection to reduce false alerts
- Two-way Real-time talk
- H.265 (HVEC) Codec super high-def video compression
- Outdoor water-resistant IP65 rating
- 2.8mm Fixed Lens, F2.2
- Cloud Service -- Live video, storage, alerts and more
- Local Backup -- Connect a USB drive to the Base Station for local recording backup

Included Components

- **ISV2-CAM-BAT** Camera
- Camera Battery
- USB Power Cable (for Camera)
- Base Station
- Network Cable (for Base Station)
- Power Adapter (for Base Station)
- Camera Mounting Bracket (Top and Base)
- Camera Mounting Template
- Camera Mounting Screws and Expansion Bolts
- Quick Start Guide (this guide)

Ordering Information

ISV2-CAM-BATK1 Outdoor Battery Camera & Base Station (Kit)
 ISV2-CAM-BAT Outdoor Battery Camera (only)
 ISV2-SOLAR (Optional) Solar panel to automatically maintain camera battery charge

Quick Install Summary:

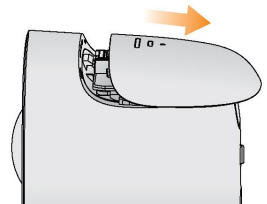
- Activate Base Station at www.NapcoComNet.com.
- Install camera battery and power up camera.
- Install the iBridgeVideo app on your mobile device.

- Connect your mobile device to a local network.
- Launch the iBridgeVideo app and log in.
- Enroll Base Station into app.
- Pair camera to the Base Station.
- Mount camera at desired location.

Installing the Camera Battery

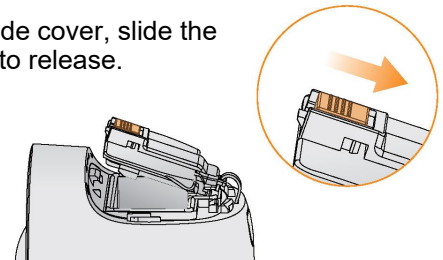
- On the top of the camera, slide the top cover to the rear and remove.

Fig. 1



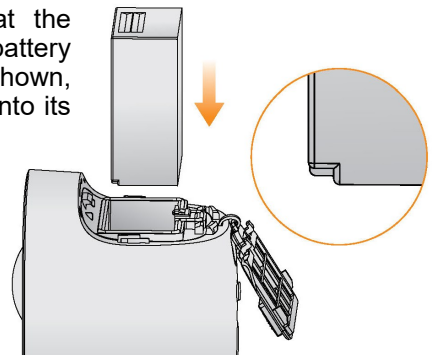
- On top of the inside cover, slide the catch to the rear to release.

Fig. 2



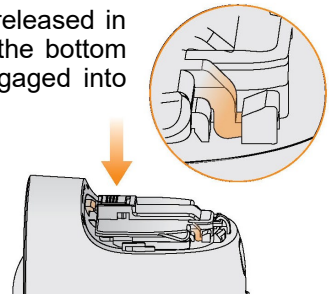
- With the notch at the bottom of the battery oriented as shown, insert the battery into its slot.

Fig. 3



- Secure the inside cover released in step 2. **Note:** Be sure the bottom legs of the cover are engaged into their slots, as shown.

Fig. 4



Tip: Before mounting the camera, fully charge the installed battery by plugging the camera into a USB port using the supplied USB cable.



Fig. 5: ISV2-CAM-BAT (Front)

- 1. Lens
- 2. Microphone
- 3. PIR Detector
- 4. Photosensor
- 5. LED Indicator

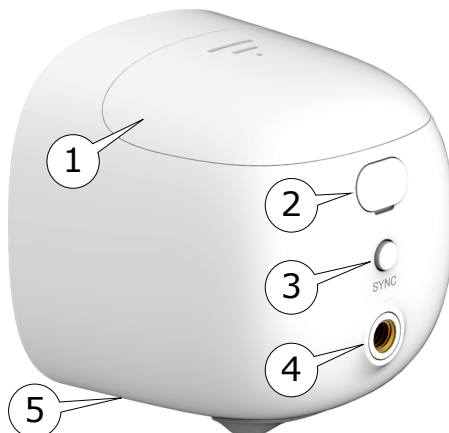


Fig. 6: ISV2-CAM-BAT (Rear)

- 1. Rechargeable Battery
- 2. USB Power Port
- 3. SYNC Button
- 4. Mounting Socket
- 5. Integral Speaker

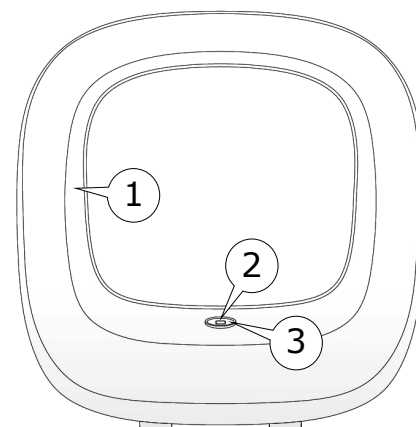


Fig. 7: Base Station (Front)

- 1. System Status LED
- 2. SYNC Button
- 3. Power Indicator LED

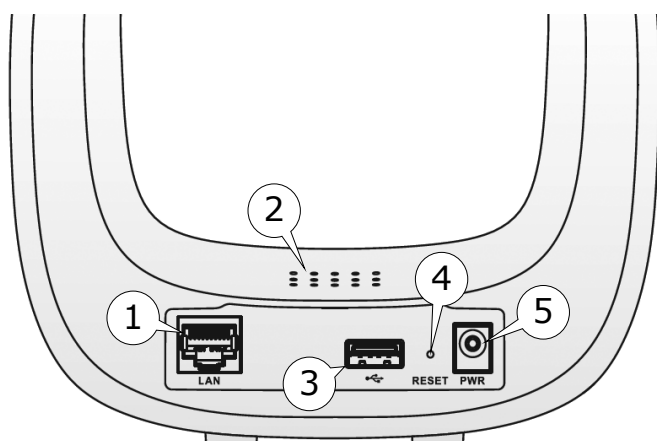


Fig. 8: Base Station (Rear)

- 1. LAN Ethernet Port
- 2. Speaker
- 3. USB Port*
- 4. RESET Button
- 5. PWR Power Port

*Record Video (optional)

If you wish, you can insert a USB ("thumb") drive into the Base Station **USB Port** to record video. **Caution:** The Base Station might format the USB drive (if it needs to); therefore, always back up the data on the USB ("thumb") drive before use.

Note: USB port can be used to charge camera's battery with included USB cable.

Installing the iBridgeVideo App

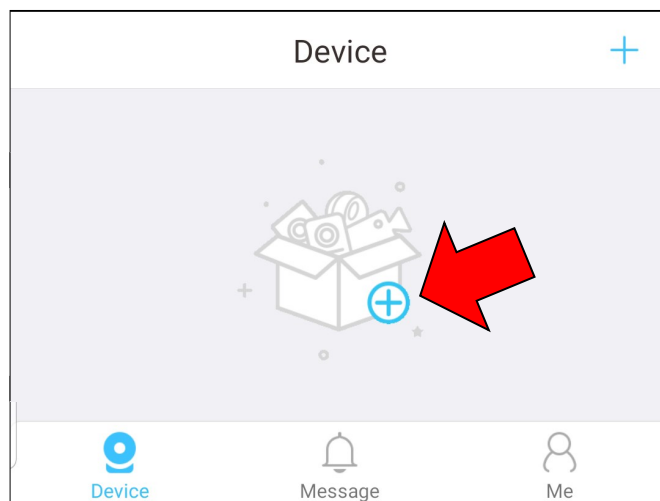
The easy-to-install iBridgeVideo app is available at your favorite app store. The installation process is similar for most smart phones and other mobile devices:

1. Tap your app store icon to run. For Android, use **Google Play**. For Apple devices, use the **Apple App Store**. Other app stores may be used if the iBridgeVideo app is available.
2. In the app store, type "iBridgeVideo" into the Search field and select the iBridgeVideo app from the search results.
3. Tap **Install**. When the installation completes, tap **Open** to launch the app.

Enrolling the Base Station into the App

With the iBridgeVideo app successfully installed in your smart device, enroll the Base Station into the iBridgeVideo app:

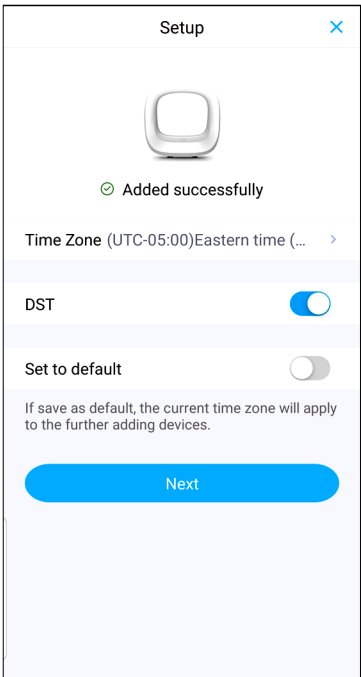
1. Power the Base Station.
2. Connect one end of the supplied Network Cable to the **LAN Ethernet Port** at the rear of the Base Station. Connect the other end of the Network Cable to an open Ethernet socket on the customer's router (or an open socket in a switch/hub that is connected to the customer's router).
3. Observe the front of the Base Station: Upon successful connection to the customer's network, the **System Status LED** on the front of the Base Station will turn on steady white for 10 seconds, and then turn off. If the Base Station does not connect, repeat steps 1-2.
4. Open the iBridgeVideo app. Type a Username and Password and tap **Login**. In the screen that appears, tap the "+" icon to add the Base Station.



5. Scan the unique QR code (contains the serial number) located on the bottom of the Base Station using the camera scanner that automatically launches. If you are unable to scan, tap **Enter SN manually** and type the serial number using the keyboard.

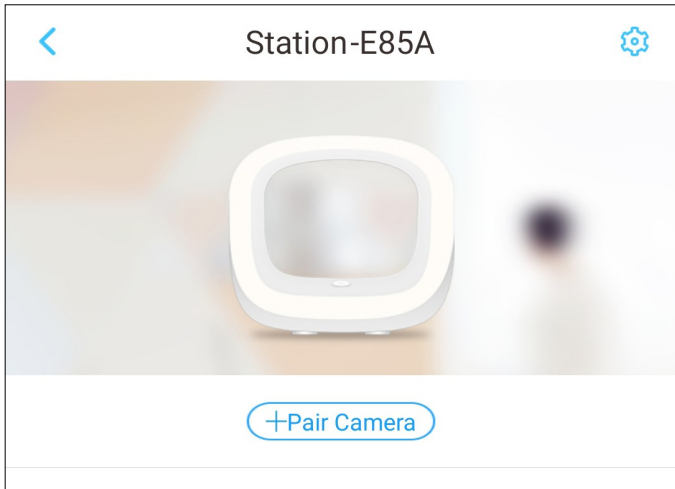


When a confirmation screen appears displaying the **SN** number, tap **Next** and the following screen appears:



- As shown in the screen above, verify that the words "**Added successfully**" appear. You can set the time zone (if needed) and enable automatic Daylight Saving Time adjustments by sliding the **DST** slider button to the right. Also slide the **Set to default** slider button to the right if you wish to automatically apply the aforementioned settings to future cameras / devices paired to this Base Station. Tap **Next** to finish.

The following confirmation screen appears:



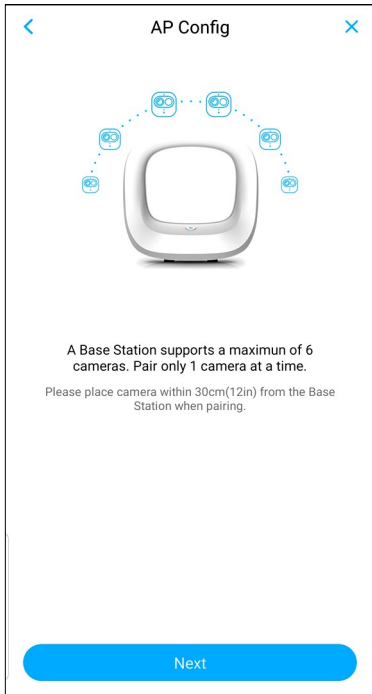
To pair a camera to this Base Station, proceed directly to the next section:

Pairing a Camera to the Base Station

The iBridgeVideo app steps you through the pairing process. The section below continues from the previous section, where the iBridgeVideo app is running, with screen shown above displayed on the smart device:

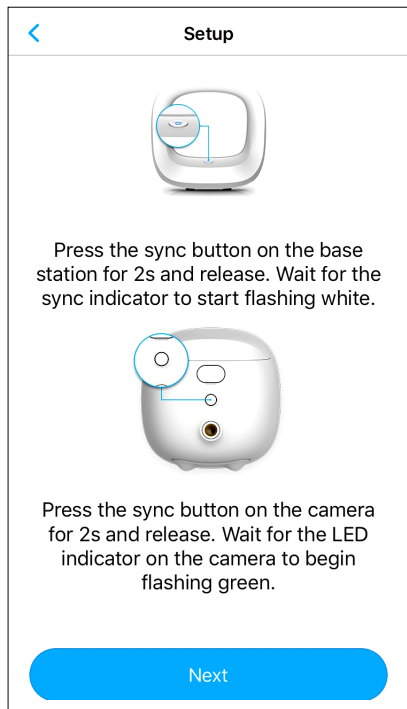
- In the iBridgeVideo app screen shown above, tap **+Pair Camera**.

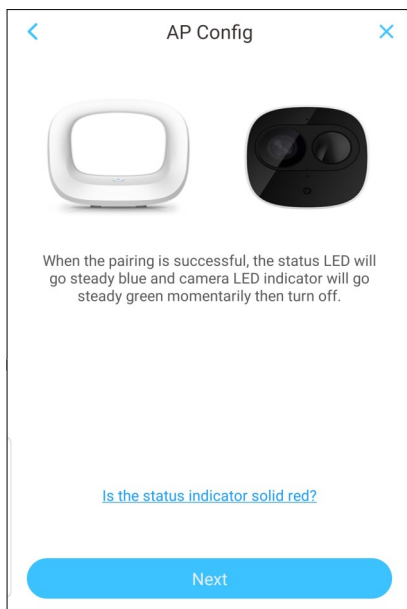
The following screen appears:



- Place the camera within 12 inches (30cm) of the Base Station. Tap **Next** to continue, and the screen shown below appears.
- On the Base Station, press and release the **SYNC** button. The **System Status LED** on the front of the Base Station will flash white. On the camera, press and release the **SYNC** button. The **LED Indicator** on the front of the camera will flash green.

Tap **Next** to continue

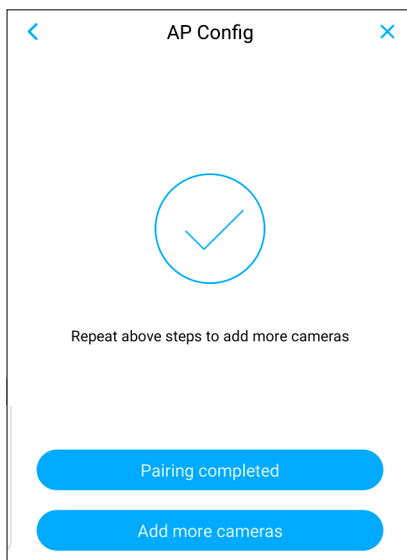




4. While pairing, verify that the LED indicators flash as described in the screen above:

- The **System Status LED** on the front of the Base Station will turn on white for 10 seconds, and then turn off.
- The **LED Indicator** on the front of the camera will turn on green for 10 seconds, and then turn off.

If all red LEDs remain off, it means the pairing is successful, and the screen shown below appears.



Note: Up to six (6) cameras can be paired to one Base Station. Only one camera can be paired at a time.

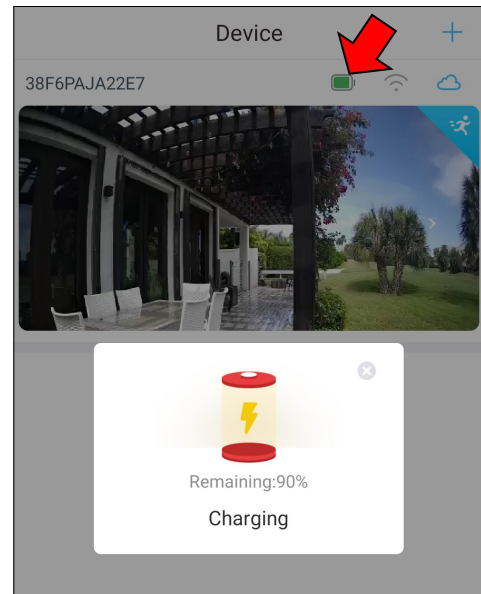
If no additional cameras need to be paired, tap **Pairing completed**. To pair another camera, tap **Add more cameras** (return to step 2).

If Camera Does Not Connect

Move the camera closer to the Base Station and repeat steps 1-3. If the camera still does not connect, reset the camera (see the **Factory Reset** section) and try again. If still unsuccessful, delete the Base Station from the app, then reset both the Base Station and camera and try enrolling again.

Checking the Camera Battery Charge Level

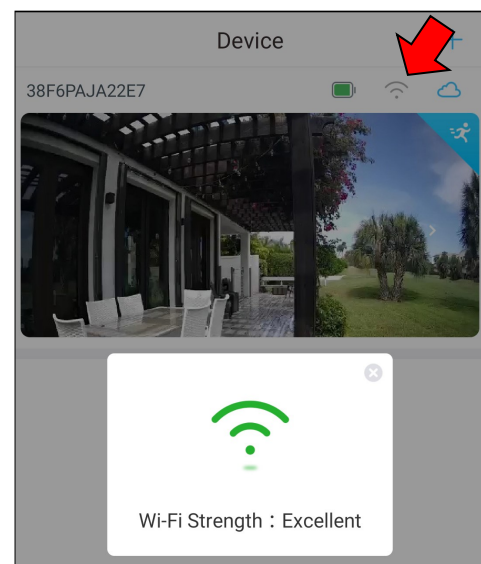
The camera's rechargeable battery will last approximately 3-6 months with average use ("average use" takes into account that the camera will record for approximately 5 minutes each day based on the camera's Alarm settings). Be aware that connecting to the camera to view live video for extended periods can affect battery life. **Note:** The optional **ISV2-SOLAR** solar panel can be installed to automatically maintain the camera battery charge. To check the battery charge level in real-time, tap the battery icon located above the thumbnail image. The battery charge level icon will appear:



Tip: To get the latest camera battery level reading, connect to the camera live video before checking.

Checking the Wi-Fi Status

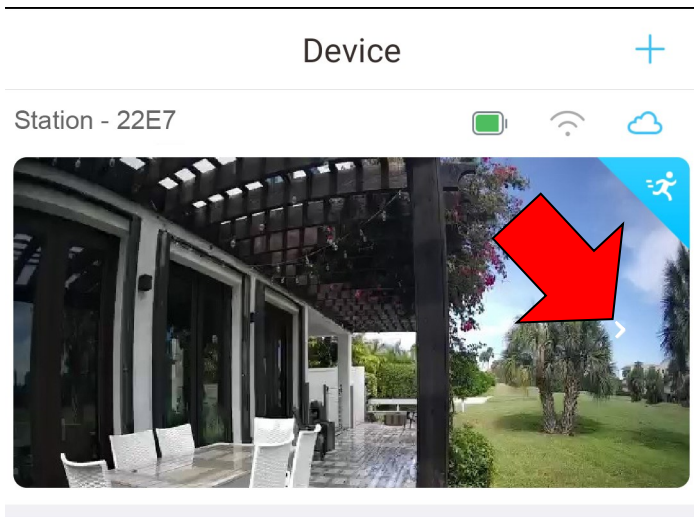
Tap the Wi-Fi signal icon located to the right of the battery status icon (see image below):



Note: Weak Wi-Fi signal strength will accelerate battery consumption.

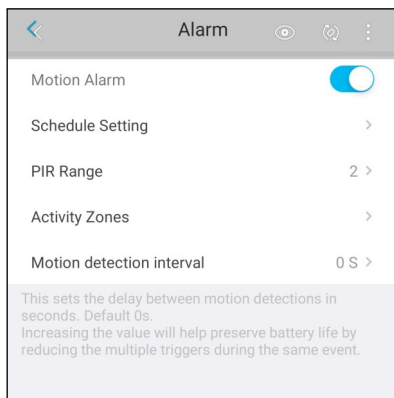
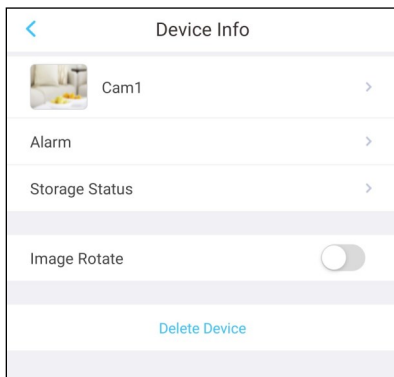
Checking Other Cameras in the System (Or Accessing Base Station Settings)

If your Base Station is paired with multiple cameras, you can access these additional cameras by sliding the small video image thumbnail to the left or right. You can also tap the little white arrow located on the right side of the thumbnail image (see image below for location).



Device Info ("Gear" Icon)

Tap the "gear" icon to open the **Device Info** screen to configure the various attributes of your camera, described below:



Tap the small image or the camera name in the first row of this screen to open the following four items:

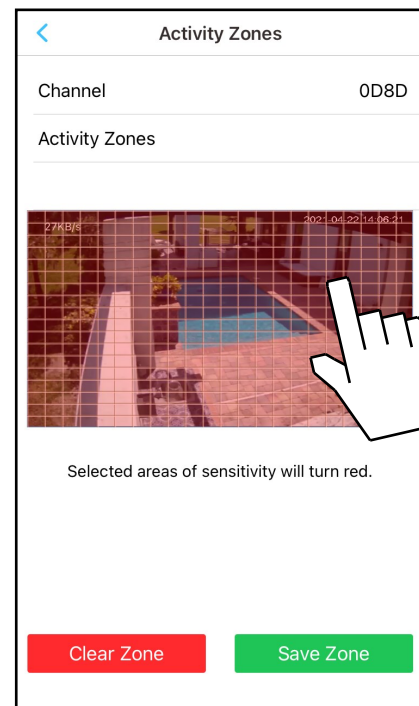
- **Device Photo:** Tap to customize the thumbnail image

representing the individual camera displayed in the **Device** screen. The selected image will remain unchanged until modified.

- **Device Name:** Displays the camera name (the factory camera name is initially displayed, by default). To change the text to a more useful name, simply tap the name, type and save the new text.
- **Channel Name:** Defaults to the last 4 digits of the MAC address, incremented in order of enrollment. **Note:** This data is embedded in the recorded video.
- **SN:** The serial number assigned by the manufacturer; cannot be altered. Tap to display the QR code (representing the serial number). **TIP:** Save an image of the QR code to your local device, should you need to re-enroll existing cameras.

Alarm

- **Motion Alarm:** Enable to send notifications and video clips when the infrared sensor inside the PIR detects a rapid change in temperature within the video image / coverage area.
- **Schedule Setting:** Set a schedule to select when to allow motion detection events (default setting is enabled 24/7)
- **PIR Range:** (Can be adjusted at any time). The higher the sensitivity setting, the longer the distances at which the camera will detect motion and heat changes to trigger an alarm event. **Note:** Higher sensitivity may increase the number of notifications and reduce battery life.
- **Activity Zones:** Adjusts Motion Detection zones or areas that will trigger motion alarms and notifications. In the example video image below, "tap and hold" to select the matrix boxes where you want the camera to detect changes (*areas that detect motion activity will turn red*).



To clear ALL red boxes, tap **Clear Zone** and start again. 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. Exclude (clear) these areas from the selected (red) detection areas.

- **Motion detection interval:** A single Motion Alarm "event" (for example, one person walking through the video coverage area) may be interpreted by the camera as multiple events, triggering multiple notifications. To help preserve battery life by reducing these unnecessary notifications, set the minimum time window, in seconds, between two triggers (default is zero seconds). Increasing the value will help reduce the multiple triggers during the same event.

Storage Status

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

Image Rotate

- **Image Rotate:** If the camera is mounted upside down, enable Image Rotate to flip the camera image 180°. When disabled, the image is restored to its original orientation. Tap the slider to the right to turn the image 180° (use when the camera is physically mounted upside down).

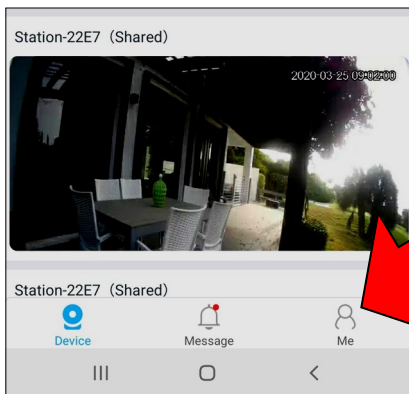
Delete Device

- Tap to remove a previously installed camera or device.

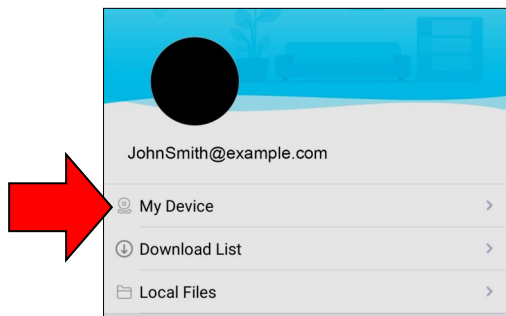
Update the Camera Firmware

Use the iBridgeVideo app to check or update the **ISV2-CAM-BAT** camera firmware:

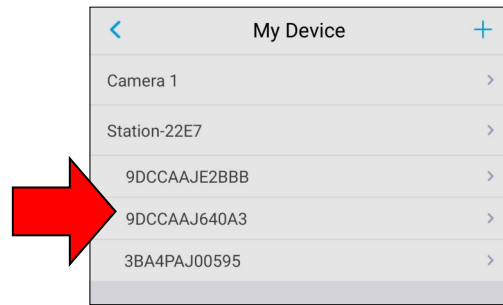
1. From the thumbnails screen, tap the **Me** icon.



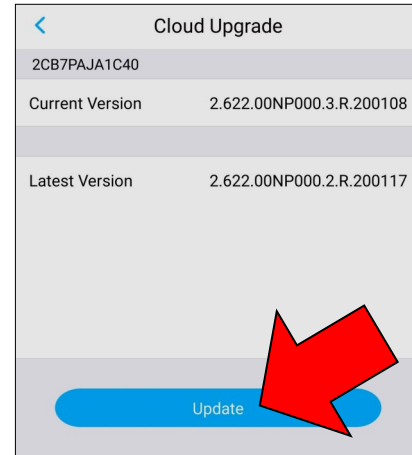
2. Tap **My Device**.



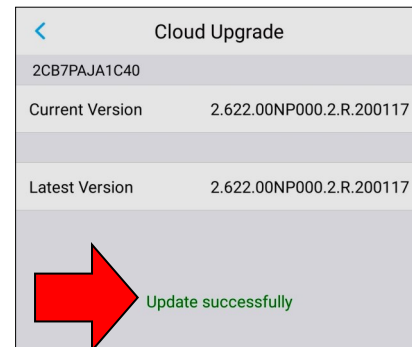
3. In the list of devices, tap to select the camera you wish to update.



4. If new firmware is available, tap **Update**.



When complete, "**Update successfully**" appears. Repeat for any additional cameras, if needed.



Factory Reset

To reset the Base Station to its factory default settings: With Base Station powered, use a toothpick or paperclip to press and hold the recessed **Reset** button until the **System Status LED** turns on steady white (approximately 10 seconds), then release.

To reset the camera to its factory default settings: Press and hold the **SYNC** button for 10 seconds until the LED turns red, then release.

Base Station System Status LED

Indications

When the Base Station is powered and operating normally, the "**System Status LED**" remains off (see Fig. 7 on page 2). Other **System Status LED** indications are:

Blue flashes	Booting up
Yellow flashes	Waiting for network connection
White flashes	Waiting for pairing with cameras
White on for 10 sec., then off	Pairing succeeded
Red on for 10 sec., then off	Pairing failed
White on for 1 sec., then off	Reset completed
White quick flashes	Firmware updating
Off.....	Operating normally

Note: The Base Station "**Power Indicator LED**" (see Fig. 7 on page 2) is on continuously when the Base Station is powered, and off when the Base Station is not powered.

Camera LED Indications

When the camera is powered, "awake" and operating normally, the LED is off. Other camera LED indications are:

Green on	Alarm triggered, or instructed to wake
Green flashes	Reconnecting Wi-Fi
Green quick flashes.....	Waiting for pairing with the Base Station
Green on for 10 sec., then off.....	Pairing succeeded
Red on for 10 sec., then off	Pairing timeout
Red on for 1 sec., then off	Reset completed
Off.....	Sleep mode or battery depleted
Orange quick flash	Charging power detected

Camera Mounting

If mounting on a wall or ceiling, ensure the mounting surface can support a minimum of 3 lbs., and all mounting hardware used is appropriate for the mounting surface.

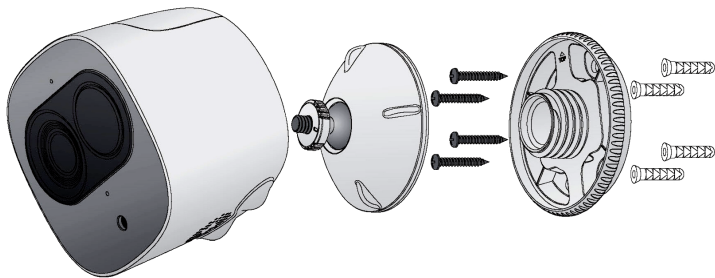


Fig. 9: (L to R) Camera, Mounting Bracket Top, Mounting Screws, Mounting Bracket Base, Expansion Bolts.

1. Affix the **Mounting Template** to ceiling or wall. Carefully mark the 3 mounting holes on the mounting surface.
2. **Expansion Bolts** (optional): Using a drill bit slightly smaller than the diameter of the plastic **Expansion Bolts**, drill 3 holes into the installation surface. Insert the 3 **Expansion Bolts** into the holes until secure.
3. Separate the **Mounting Bracket Top** from the **Base** and secure the **Mounting Bracket Base** to the mounting surface with the **Mounting Screws** provided.
4. Attach the **Mounting Bracket Top** to the camera, adjust the lens to the ideal angle, and secure the **Mounting Bracket Top** to its **Base**.

Specifications

Camera

1/2.7", 2 Megapixel Progressive CMOS
2MP (1920 x 1080)
Night Vision: 10m (33ft.) Distance
2.8mm Fixed Lens, f:2.2
Field of View: 110° (H), 61° (V), 130° (D)

Video

Video Compression: H.265/H.264
Up to 20fps Frame Rate

Notice Management

PIR Detection

Network

Wi-Fi: IEEE802.11b/g/n, 50m (164ft) Open Field
iBridgeVideo App: iOS, Android

Auxiliary Interface

Built-in Microphone and Speaker
Micro USB Power Port
SYNC Button

Camera: General

DC 5V 1A Power Supply or Rechargeable Battery Power
Power Consumption: ≤3W
IP65 Water Resistant Rating for outdoor conditions
Working Environment: -20°C~+45°C (-4°F~113°F), Less Than 95%RH
Dimensions: 77 x 77 x 71.5mm (3.03 x 3.03x 2.81in.)
Weight: 350g (0.77lb)
CE, FCC, UL

Base Station

Network

1 x 100Mbps Ethernet Port
Wi-Fi: IEEE802.11b/g/n, 100m (328ft.) Open Field, 2 X 2 MIMO

Auxiliary Interface

1 x DC Power Port
1 x Reset Button
1 x Sync Button
1 x LAN Port
1 x USB2.0 Port

Base Station: General

DC 12V / 2A Power Supply
Power Consumption: ≤6W
Working Environment: -10°C~+50°C (14°F~122°F), Less Than 90%RH
Dimensions: 157 x 108 x 154mm (6.18 x 4.25 x 6.06in.)
Weight: 270g (0.60lb.)

Battery Safety Instructions

- Never short circuit, disassemble or distort
- Do not heat the battery or dispose of it in a fire
- Keep all batteries away from children
- We recommend to always use the original battery
- Do not use at temperatures above 60°C (140°F)
- Do not attempt to charge at temperatures below freezing
- Recycle used batteries as per local regulations

NAPCO LIMITED WARRANTY

NAPCO SECURITY TECHNOLOGIES, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for *twelve months* following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period. IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person purporting to act on its

behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.