Operating Manual

v1.0.0

Bounce Viewer iOS App

(iOS App version 3.4.0 or higher)

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1 West Seneca Street, Floor 24, Buffalo, NY 14203

http://www.bounceimaging.com

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What’s new?

- **Explorer Recce360 and Explorer Recce360 mini support:** you can now use our most recent cameras with enhanced encryption.
- **2-way audio:** you can now send audio to the explorers that support it.
- **Explorer advanced settings:** motion detection.
- **Advanced view modes:** 4-panels mode, wide angle mode and more.
- **Improved UI:** UI is now updated in the new iOS versions.

Before you begin

Make sure your camera is charged, using **ONLY** Bounce Imaging approved chargers. A steady red light will indicate the ball is charging properly and will turn off when charging is complete (make sure the camera is OFF when charging).

Bounce Explorer 2.0 and Recce 360 (Use the supplied charger or a USB C - PD charger that can provide 12V or 15V):

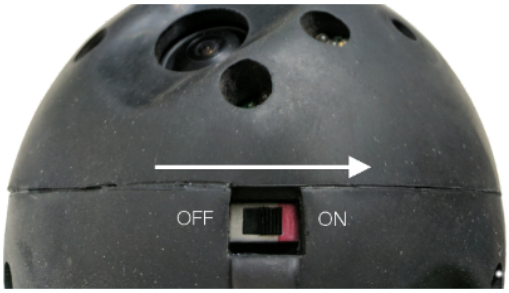
Bounce Explorer 2.0 mini and Recce 360 mini (Use the supplied charger or a USB C - PD charger that can provide 12V or 15V). The green light will indicate charging status.

How to download the Bounce Viewer App

1. Search for “Bounce Viewer” in the Apple App Store Play or use this link
   https://apps.apple.com/us/app/bounce-viewer/id1001843752

How to turn ON the Explorer Camera

Disconnect your camera from the charger. Find the power switch, opposite from the charger opening. Switch the power switch to ON (red).



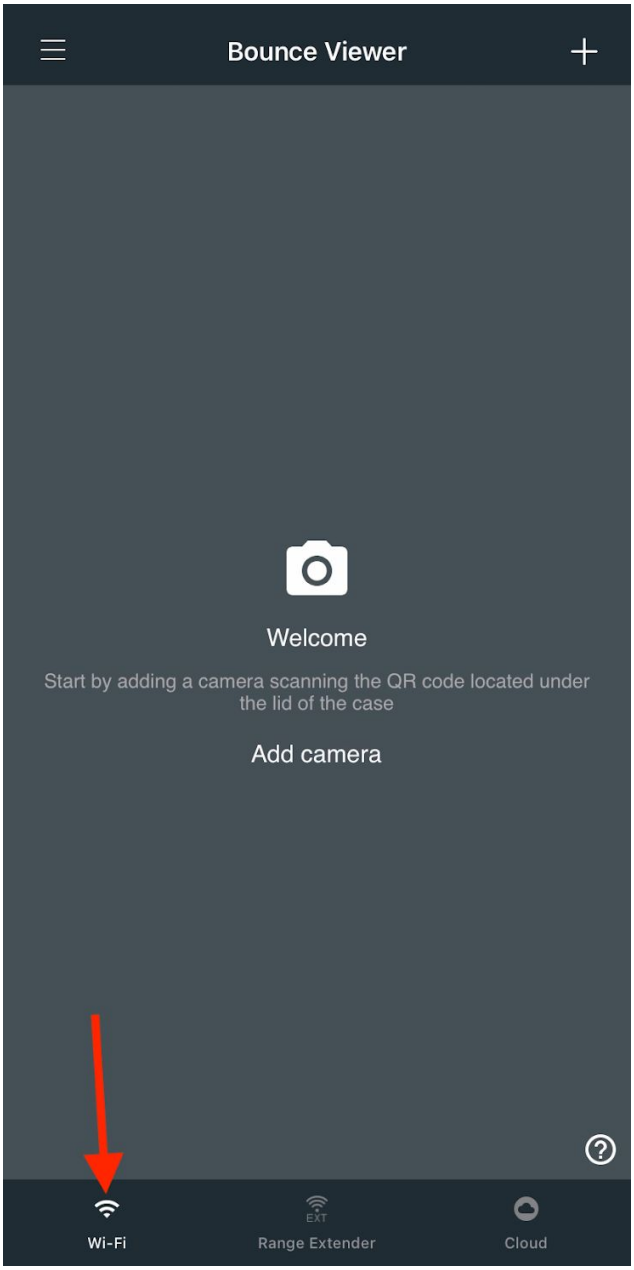
For Usb-C cameras, press the power button as shown below

How to connect to a camera using its Wi-Fi

This section shows how to connect using the camera's Wi-Fi. This is the regular way to connect. Your iOS device must be connected to the camera's Wi-Fi in order to receive video. Once you have saved the camera information in the app, it will automatically connect to the Wi-Fi and start receiving video.

Save the camera information

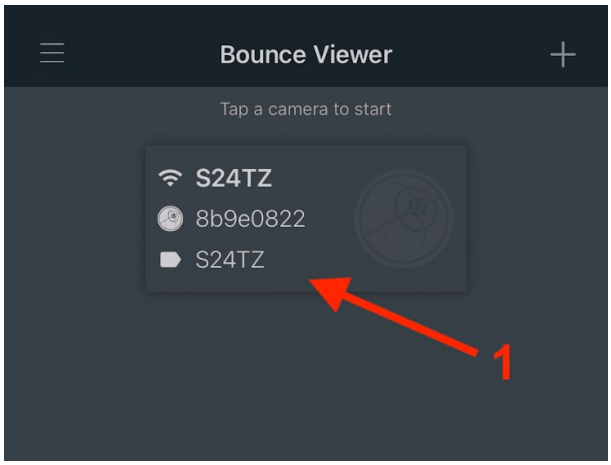
1. Open the Bounce Viewer App.
2. Accept the Storage and Location permissions. Storage permissions are needed in order to store your cameras and the videos recorded with it. Location permission is used to let the users know where the videos were recorded.
3. After granting permissions, you will be shown with the **Connect** screen. This screen has 3 tabs:
    a. **Wi-Fi:** this is the regular way to connect. Connect to your camera via its Wi-Fi. Your iOS device will automatically connect to the camera's Wi-Fi and start receiving video.
    b. Range Extender: used to connect using our Range Extender accessory. The Range Extender is connected via USB to the iOS device and via Wi-Fi to the camera. The iOS device doesn't need to be connected to the camera's Wi-Fi.
    c. Cloud: receive 360 video from the internet. If you have a Bounce Imaging's cloud subscription you can stream video from your cameras to the cloud and receive it anywhere in the world.



4. Make sure you are on the **Wi-Fi** tab.
5. To connect to a camera, you need to tell the app which is the Wi-Fi SSID using the QR it came with. Click the **(+)** icon at the top right or click **Add camera**.
6. Enter an **optional** name to remember the camera and then click **SCAN QR.**

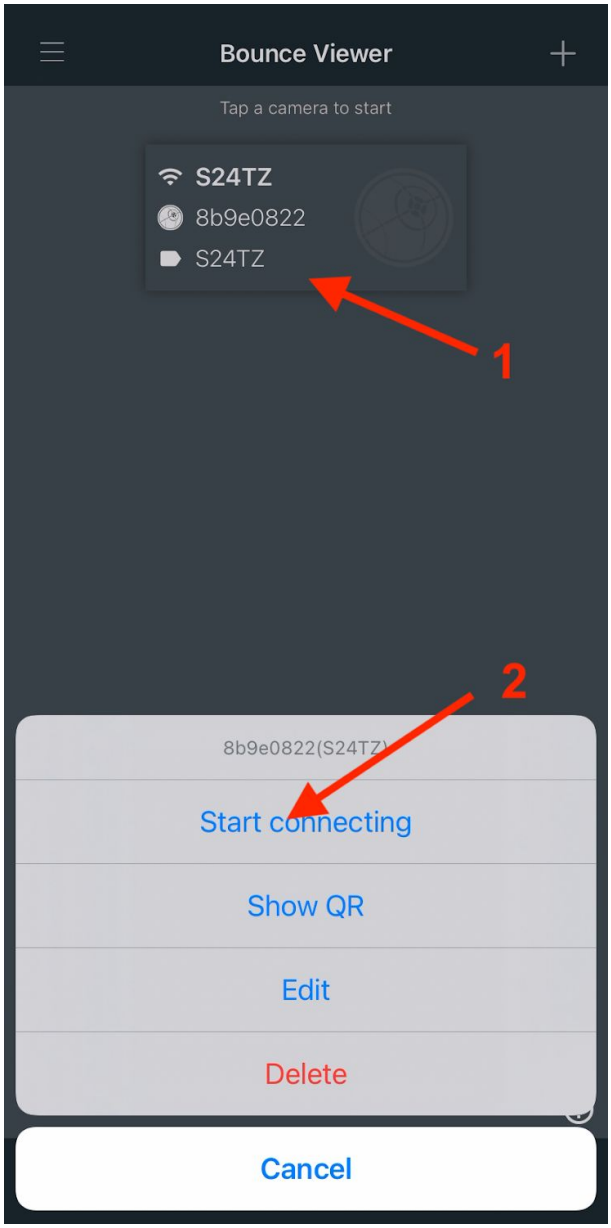
7. Point the camera to the QR code located **under the lid of the case** as shown below. Then click the **SAVE** button at the top right.

8. The camera will now appear under the **Wi-Fi** tab.

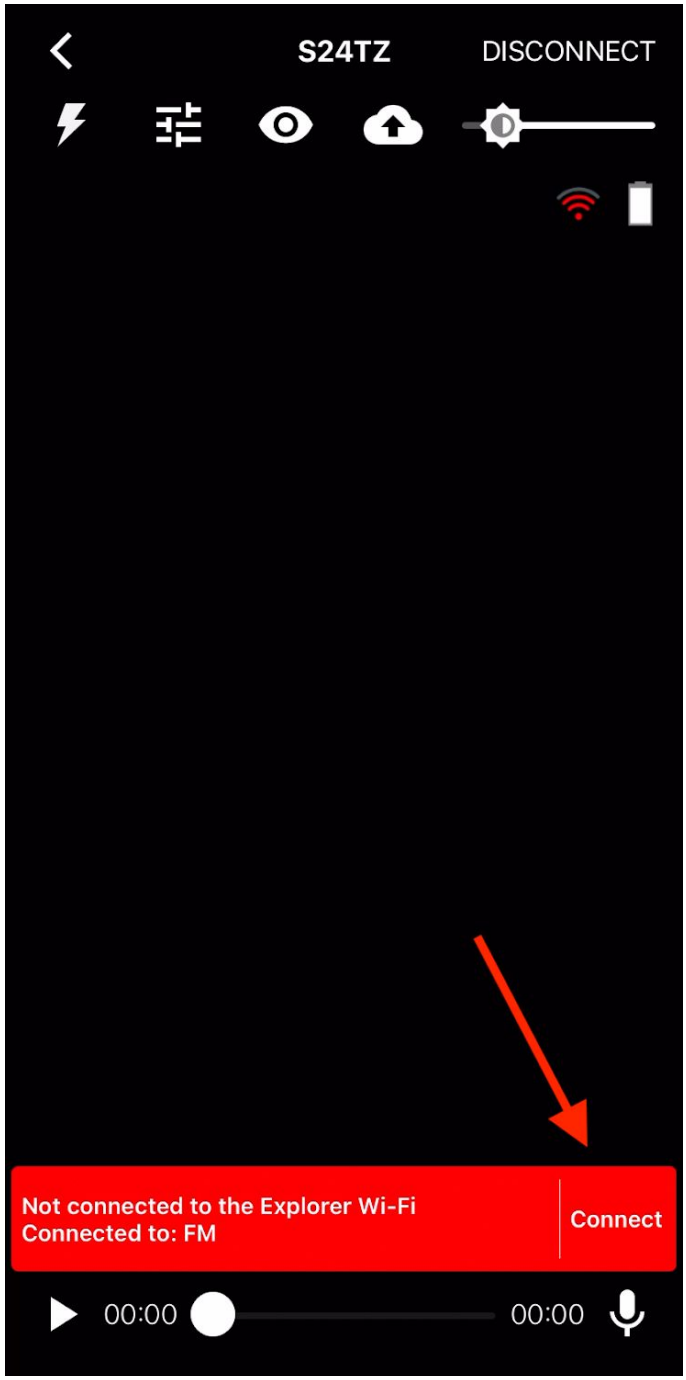


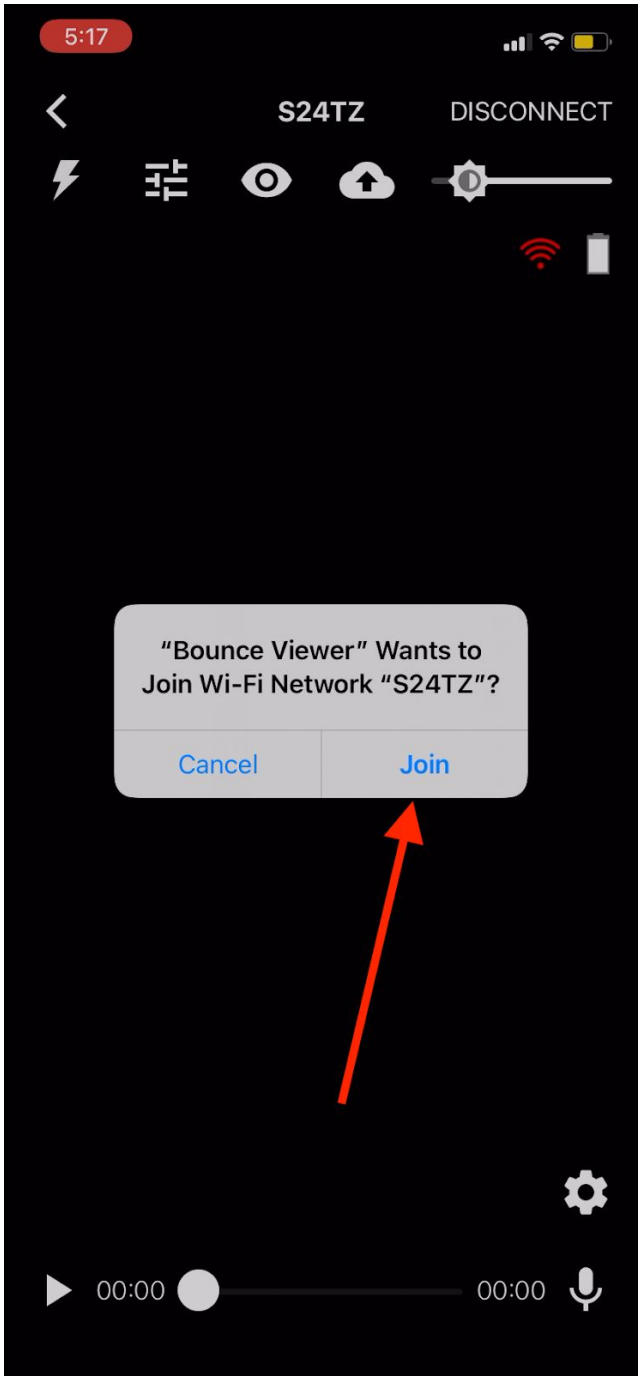
Start connecting automatically

1. Open the **Connect** screen and make sure you are on the **Wi-Fi** tab.
2. Tap the camera you want to connect to and click **Start connecting**. You can also edit it, rescan the code, share or delete it.



3. The app will now try to connect to the camera and start receiving video. Make sure you are in the camera's Wi-Fi range so the device can connect to it.
4. If your device is not connected to the camera Wi-Fi, the app will give you the option to connect automatically. Click **Connect** and then **Join.**


S24TZ
DISCONNECT
Not connected to the Explorer Wi-Fi
Connected to: FM
Connect
00:00
00:00

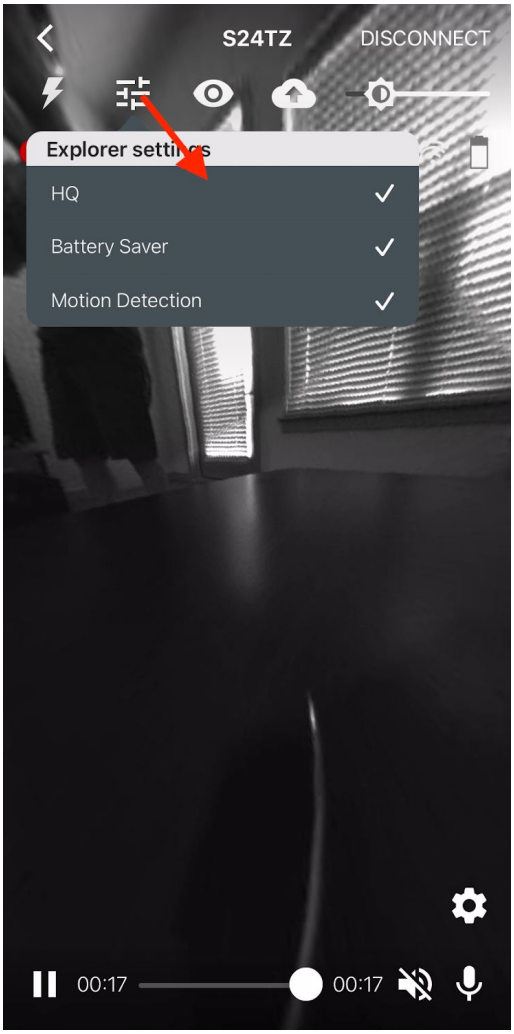

5:17
S24TZ
DISCONNECT
"Bounce Viewer" Wants to Join Wi-Fi Network "S24TZ"?
Cancel
Join
00:00
00:00

Camera Player Options

#	Description
1	Disconnects from the camera and returns to the Camera Connect screen.
2	Disconnects from the camera and stays in the same screen where you can review the received video. You can also check recorded videos in the History screen.
3	Turns ON/OFF the camera LED. Turns yellow if the camera LEDs are ON.
4	Shows additional camera settings including HQ, Battery Saver, and Motion detection.

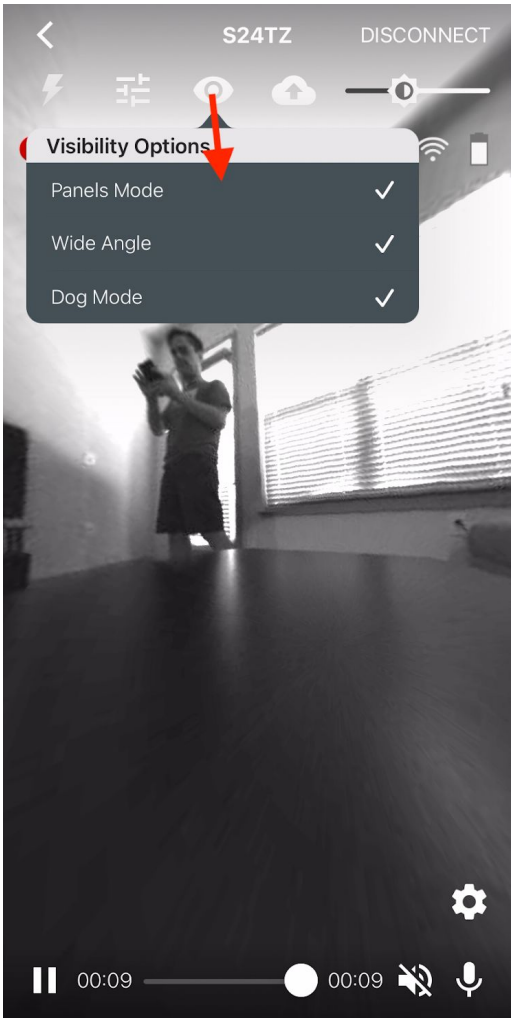
5	Shows additional view options including 4-panel mode, Wide angle and Dog Mode.
6	Open the Cloud Streaming Options. Allows you to start streaming to the cloud either from the phone or a 4G/Unleashed Explorer.
7	Changes the video brightness.
8	Resumed status. Shows 2 states: LIVE when the player is resumed and PAUSED otherwise. Also shows the SSID of the camera you are connected to. **Only visible when the camera is connected and receiving video**.
9	Connection status. The icon is filled-white if the connection is established and it will show a red animation if the connection was lost.
10	Battery level of the connected camera.
11	Shows additional options: Share camera QR and Help.
12	Resume/Pause the current video.
13	Playback controls. Used to navigate to a different position in time of the current video.
14	Mute/Unmute the audio received from the camera. Only available for Tactical Audio and Unleashed cameras.
15	Keep pressed to send audio over to the camera using the iOS device microphone. **Only available for cameras with speakers.**

Explorer settings



Option	Description
HQ	Turn ON/OFF the camera HQ Mode. HQ mode doubles image resolution.Turns yellow if ON.
Battery Saver	Turn ON/OFF the camera Battery Saver mode to increase the battery life by decreasing the frame rate. Turns yellow if ON.
Motion Detection	Enables/Disables real time motion detection on the video.

Visibility Options

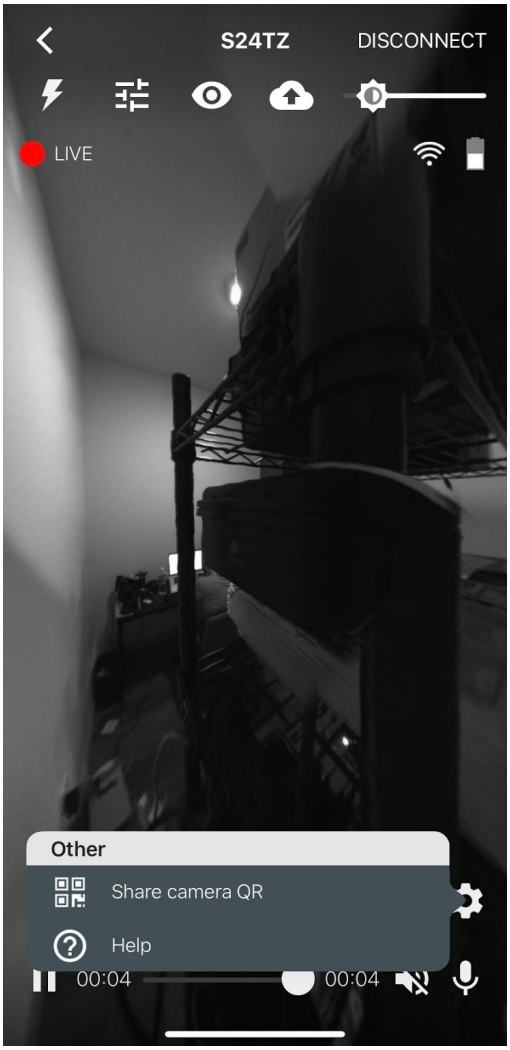


Option	Description
Panels Mode	Splits the video into 4 different panels where you can point each panel to a different direction of the panorama.
Wide Angle	Increases the field of video allowing you to see more areas of the video at the same time.
Dog Mode	When enabled, the video won't self stabilize horizontally, the video will rotate with the camera.

S24TZ
DISCONNECT
Panels Mode
00:11
00:11

S24TZ
DISCONNECT
LIVE
Wide Angle Mode
00:28
00:28

Other options



Option	Description
Share QR	Shows the connected camera QR code
Help	Shows additional help

How to connect to a camera using a Range Extender

- Each extender can only be paired with one camera at a time. When you receive your Range Extender it comes pre-configured with one camera.
- If you are having problems connecting to yours or don't know which camera it is paired to you can contact us and we will gladly help you reconfigure your extender.

How to check Range Extender compatibility

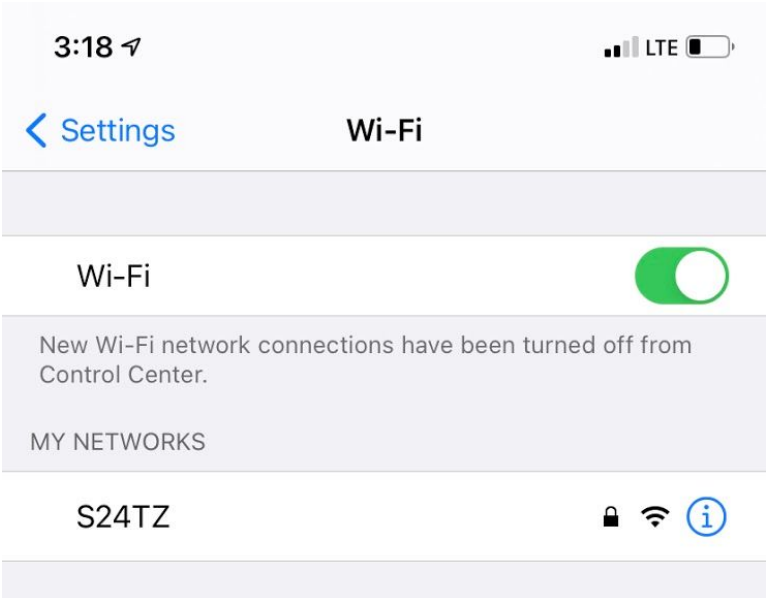
To use the Range Extender you need an iOS device capable of setting a static IP to the Ethernet interface. Follow these steps to check if your device is compatible.

1. Turn the Range Extender ON and connect it to the iOS device as shown in the section **How to use the Range Extender.**
2. Go to the iOS device Settings and search for "Ethernet"

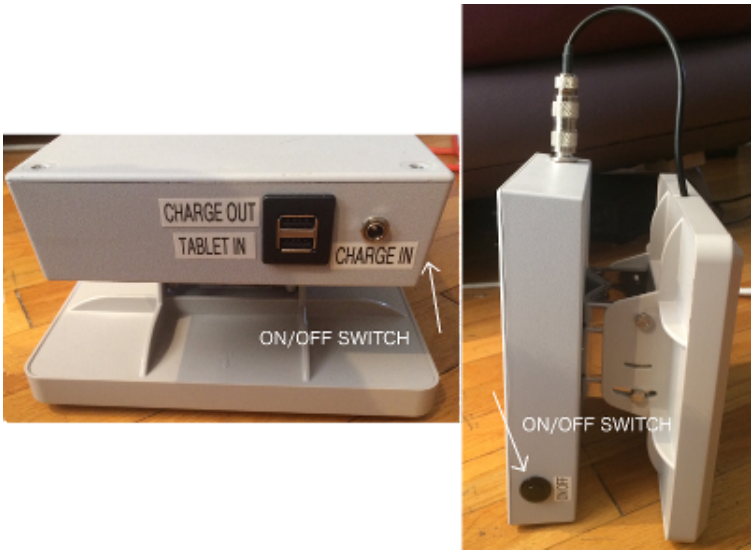
3. If your device shows the Ethernet options, your device is compatible.

How to use the Range Extender

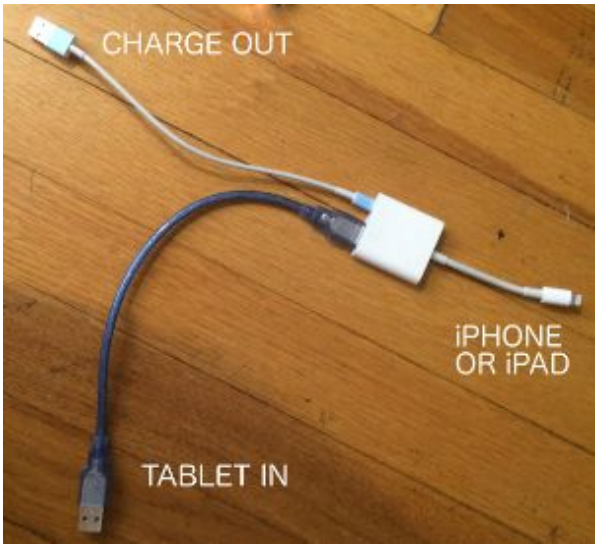
1. Turn your paired Bounce Imaging Explorer camera ON and make sure its Wi-Fi is visible (**You don't need to connect the iOS device to it**)



2. Turn the Range Extender ON



3. Find the iOS cable and connect it to the extender as shown below

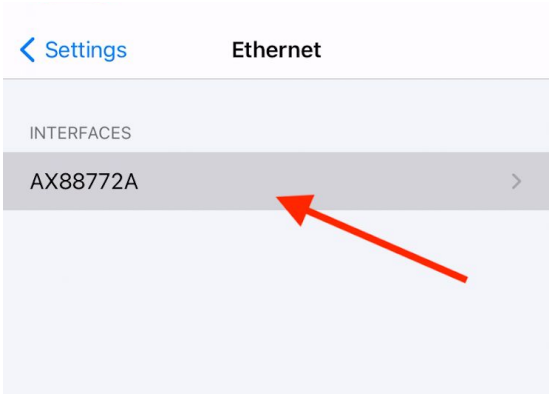


OR

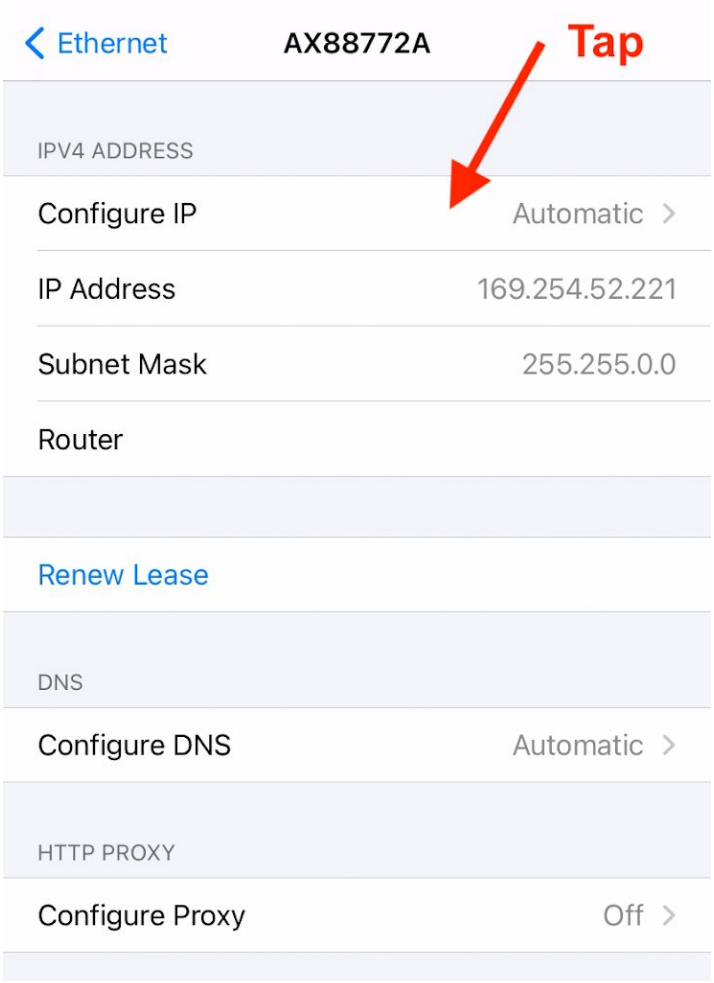
4. Connect the iOS cable to the iOS device as shown below

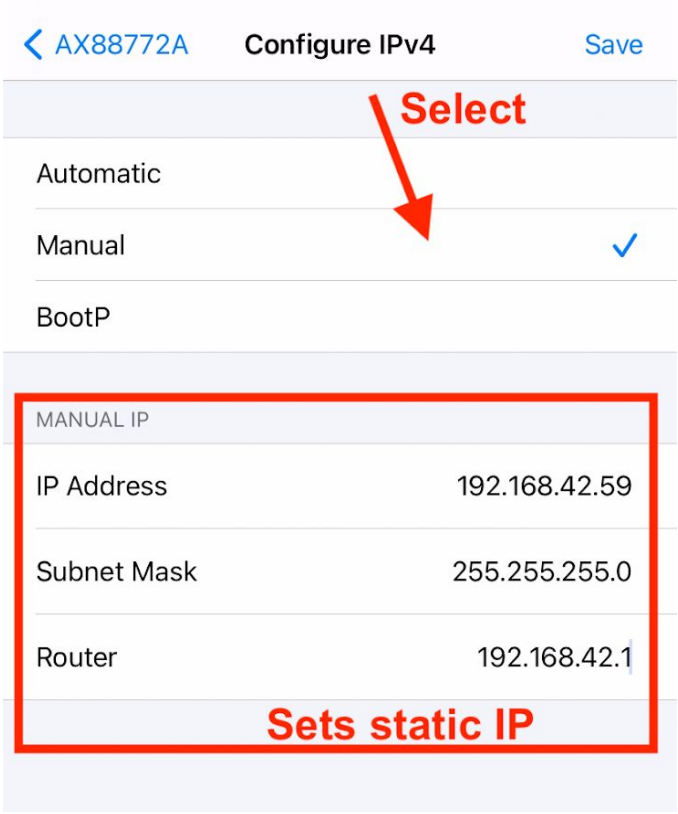
5. Make sure the iPhone/iPad detects the Range Extender. Open the **iOS Settings** and you should see the **Ethernet** option.

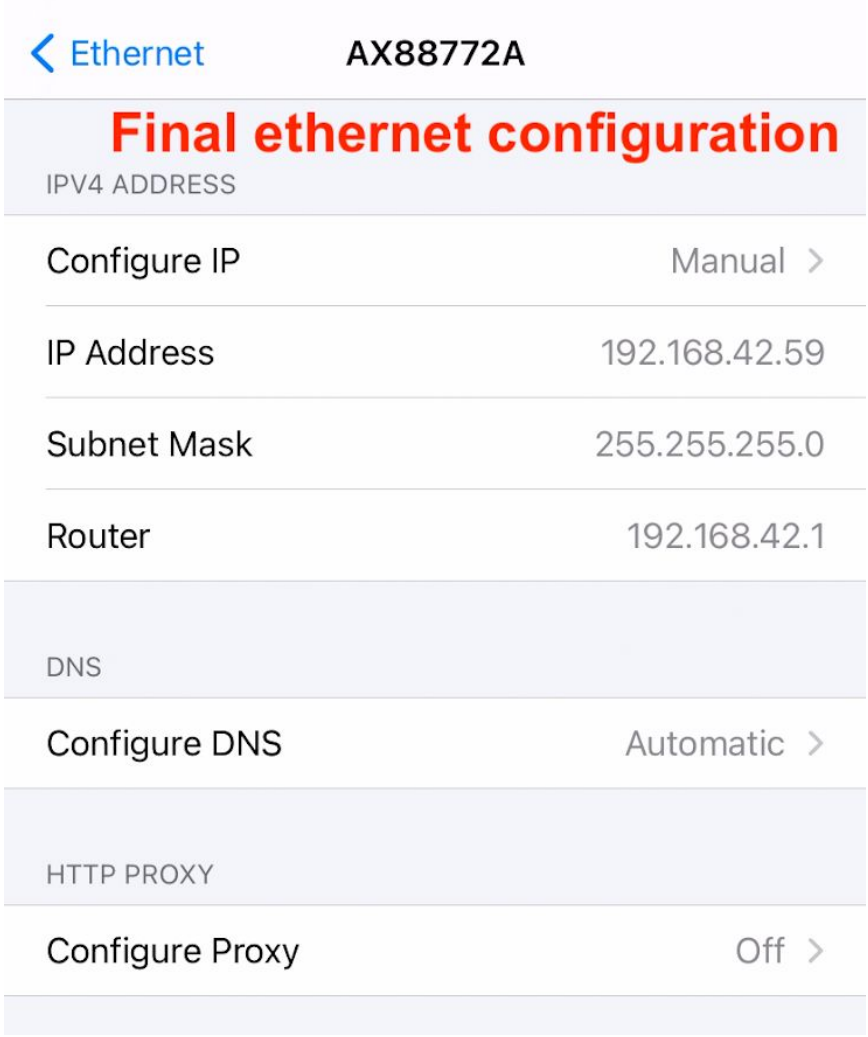
6. Now you need to set the static IP of the Ethernet interface in the iOS device settings. Click the **Ethernet** option and you will see a list of interfaces. Select the first one of the list.



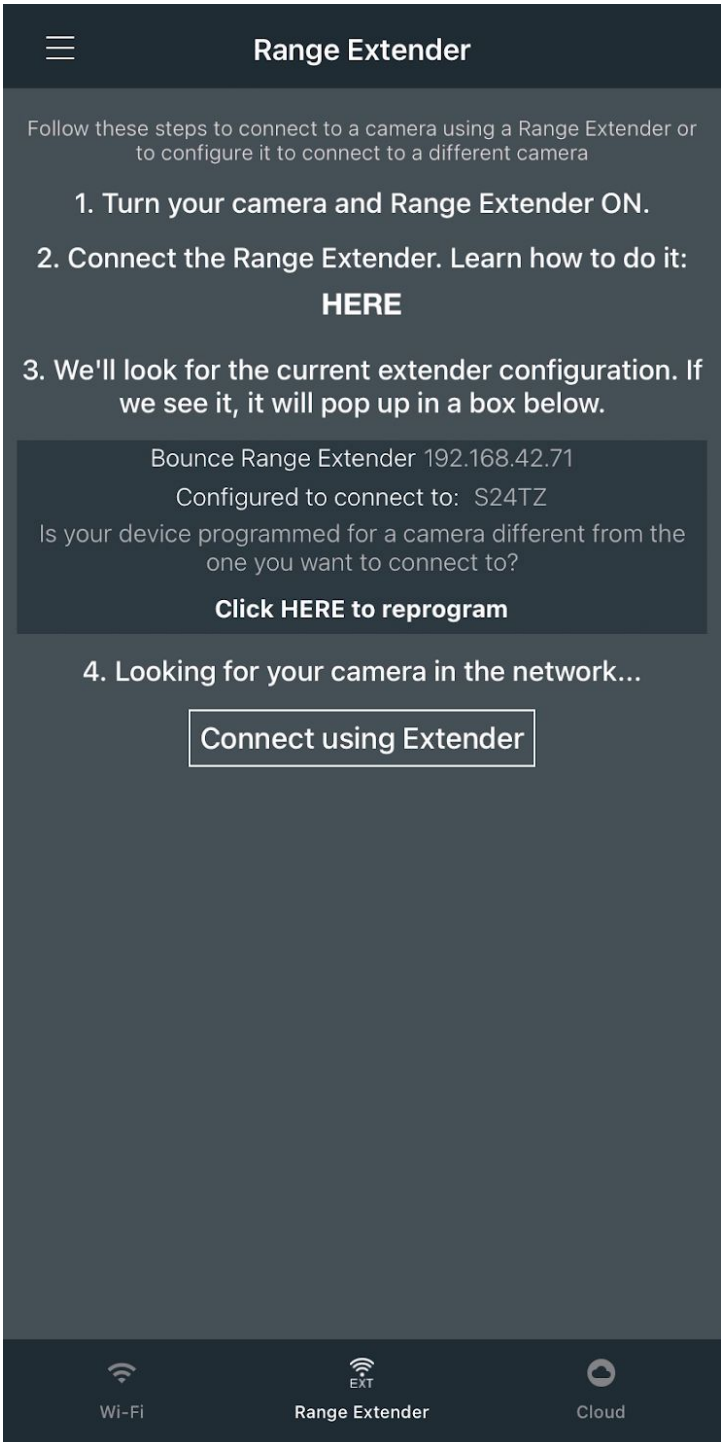
7. Follow these steps to set the static IP:







8. Open the Bounce Viewer app. Open the **Connect screen** and the **Range Extender tab**. After setting the static IP, the app now can detect the Range Extender.



9. Click **Connect using Extender.** You are now connected using the Range Extender. You can confirm if you see this icon in the screen:

10. You can also turn your iOS device Wi-Fi OFF to confirm you are connected using the Range Extender.

Cloud Streaming Service

Share real-time 360 video with team members or a command center anywhere. Plans start at $35/month or $385/year. Contact sales@bounceimaging.com to learn more.

How to sign up and confirm your account

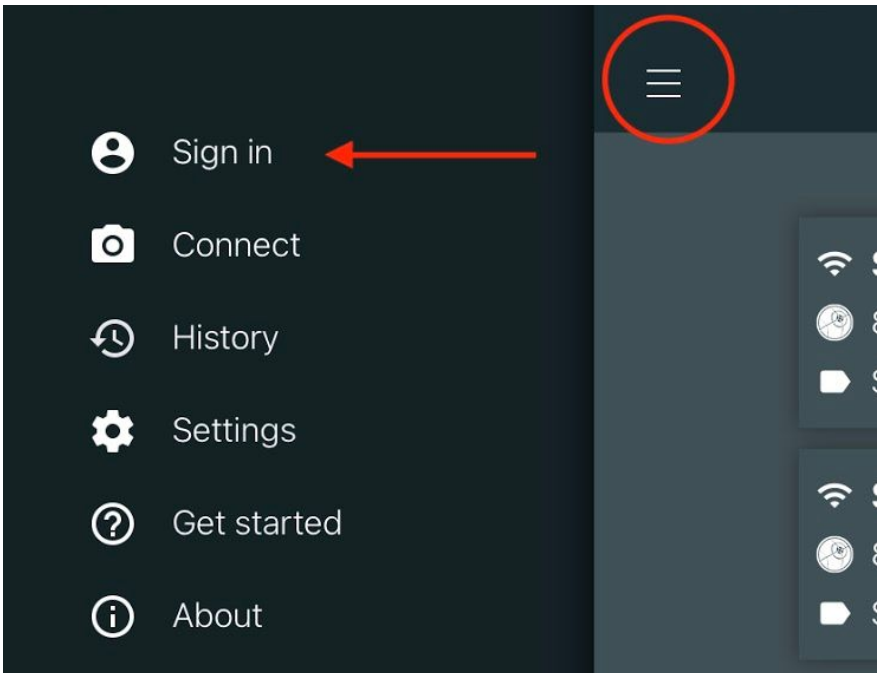
You must have a confirmed account in order to stream to the cloud or receive the stream in the app.

1. Enter https://cloud.bounceimaging.com/users/sign_up and fill the form. Your password must be at least 8 characters long.
2. You will receive an email with a link to confirm. Click it.
3. Your account is now created and confirmed. You can now login.

How to login

In order to upload or download streams to the cloud, you must login.

1. Open the app Menu and select **Sign in/Sign up.**
2. Enter your email and password.

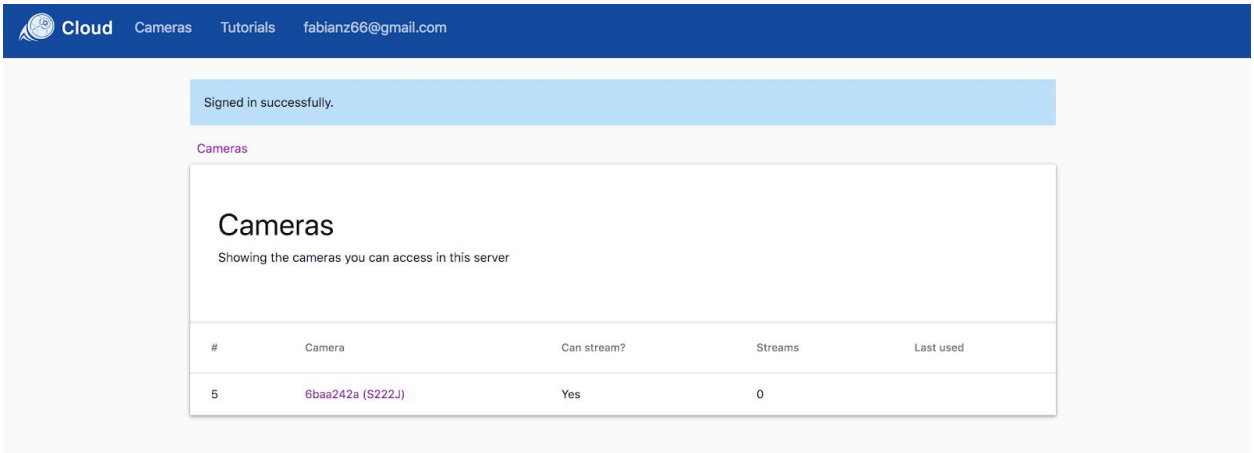


Who can receive and upload videos to the cloud?

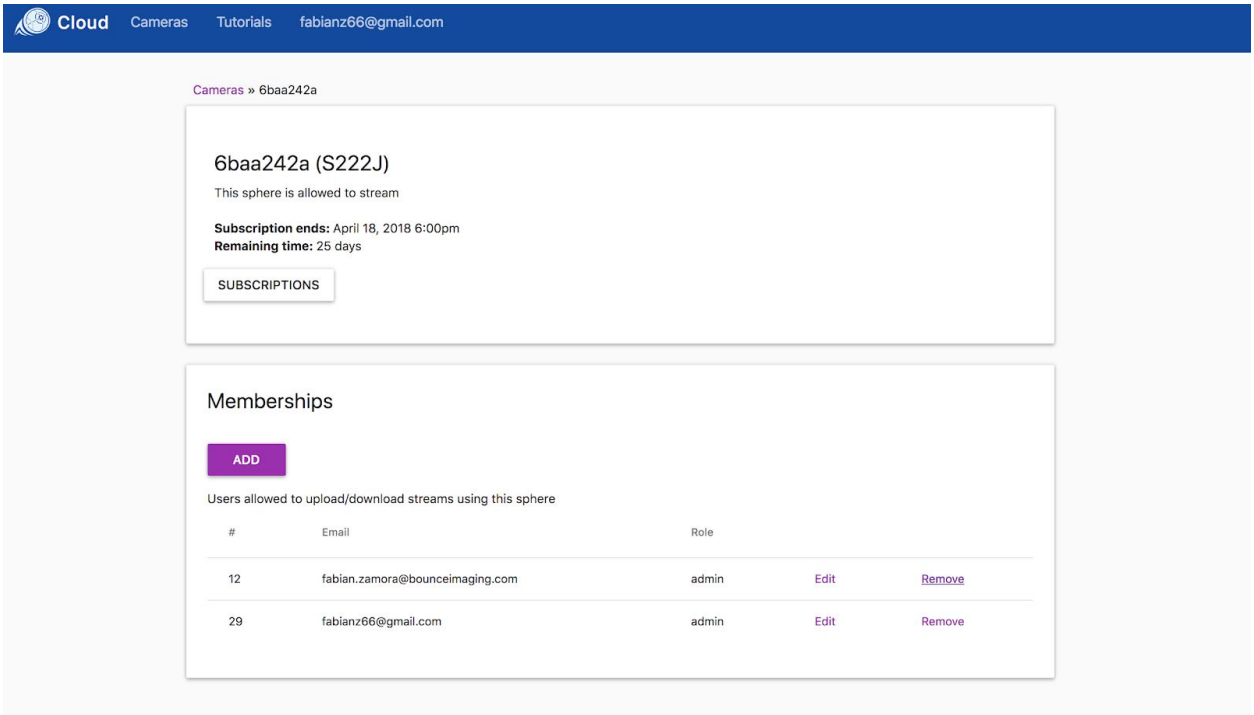
Each camera has a list of **members**. Members are users allowed to upload and download video from it. Members can be **regular** or **admin.** Both can upload and download video, but **admin** members can add (or remove) other members.

How to add members to a camera

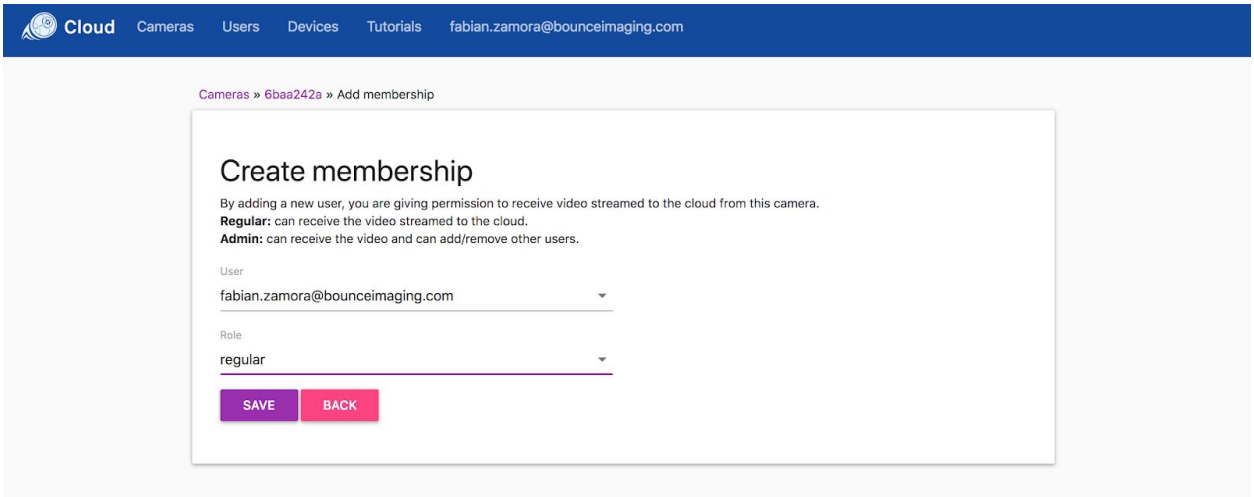
1. Login at https://cloud.bounceimaging.com/users/sign_in
2. After login you will be redirected to the **cameras management screen** https://cloud.bounceimaging.com/spheres. In here, you will see the cameras you are member of, as seen below:



   a. If you don't see your camera listed, contact us at help@bounceimaging.com.
3. Open the **camera screen** by clicking the serial number of the camera.
4. To add a member to the camera, click the **ADD** button under the *Memberships* section.
   a. If you don't see the **ADD** button it means you are not an **admin** member of the camera. If you think this is a mistake, contact a member admin of the camera or contact us at help@bounceimaging.com.



5. In the **create membership screen**, add the email of the user you want to add. **The email must be of a previously created and confirmed user**.



6. The new user is now able to upload and download videos using the camera.

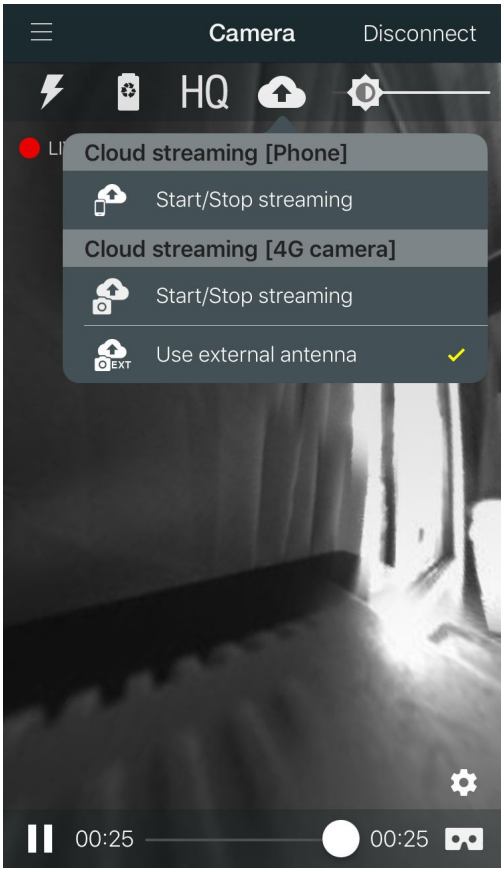
How to stream to the cloud using an iOS device

Requirements

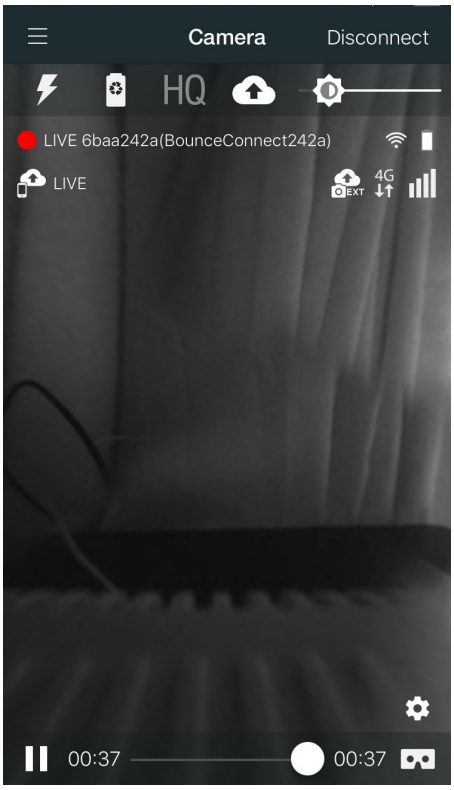
- iPhone or iPad with **cellular network** (4G/LTE) and **iOS version 9.0 or later**
- Bounce Viewer app for iOS version **3.0.0** or later
    - https://apps.apple.com/us/app/bounce-viewer/id1001843752
- Bounce camera with software version **M1.0.9/I1.0 , 1.6.20** or later
- You must have a user in https://cloud.bounceimaging.com and a **valid subscription for your camera.** Contact sales@bounceimaging.com to get a valid subscription.

How to start uploading video

1. Login with your Bounce Imaging account
2. Connect to the camera locally using the camera's WiFi or Range Extender.
3. Once connected, find and tap the **cloud button** as shown below:



4. Under the **Cloud streaming [Phone]** section, tap the option **Start/Stop streaming**. This will try to start streaming to the cloud using the phone cellular network. Make sure you are logged in with a member of the camera in order to be able to stream.
5. When successfully streaming to the cloud, you will see a **LIVE** indicador with a **cloud+phone** icon at the left of the screen as shown below:



6. **To stop**, click the **cloud button** and tap the option **Start/Stop streaming** again . The LIVE indicador will no longer be visible on the screen.

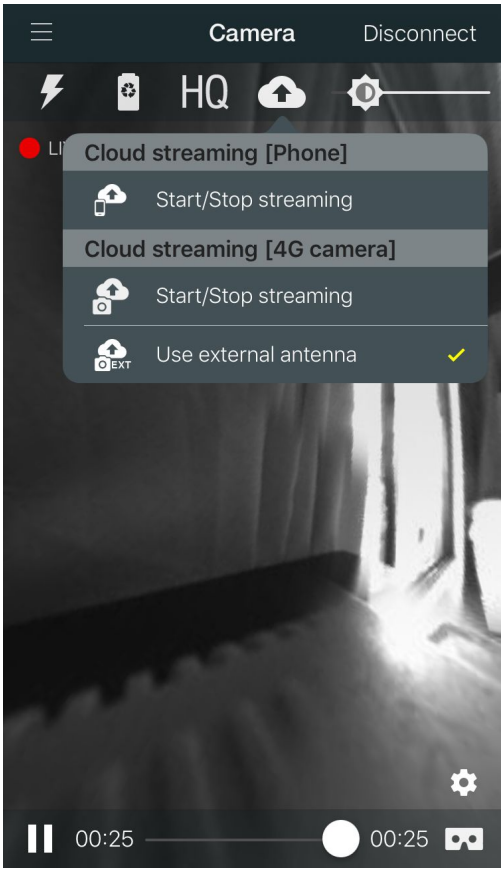
How to stream to the cloud using an Explorer Unleashed (4G)

Requirements

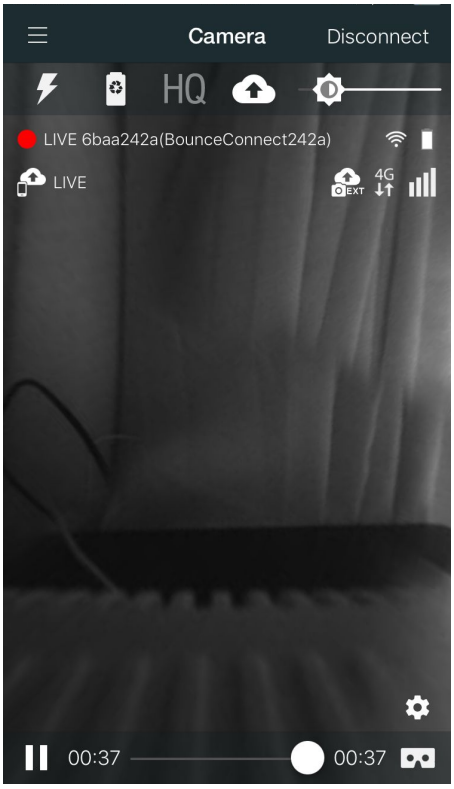
- Bounce Viewer app for iOS version **3.0.0** or later
    - https://apps.apple.com/us/app/bounce-viewer/id1001843752
- Bounce camera with software version **M1.0.9/I1.0 , 1.6.20** or later
- **You must have a valid subscription for your camera.** Contact sales@bounceimaging.com to get a valid subscription.

How to start uploading video

1. Connect to the camera locally using the camera's WiFi or Range Extender.
2. Once connected, find and tap the **cloud button** as shown below:



3. Under the **Cloud streaming [4G camera]** section, tap the option **Start/Stop streaming**. This will try to start streaming to the cloud using the sim card inside the camera.
4. When successfully streaming to the cloud, you will see the status of the streaming as shown below:

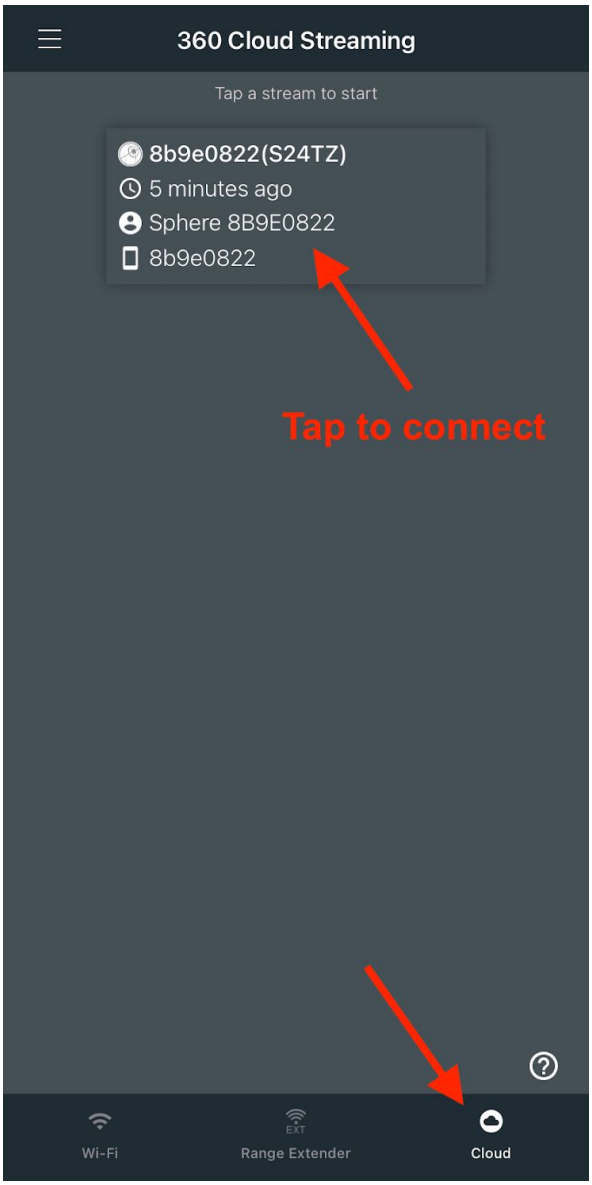


5. **To stop**, click the **cloud button** and tap the option **Start/Stop streaming** again.

How to connect/receive video from a camera using the cloud

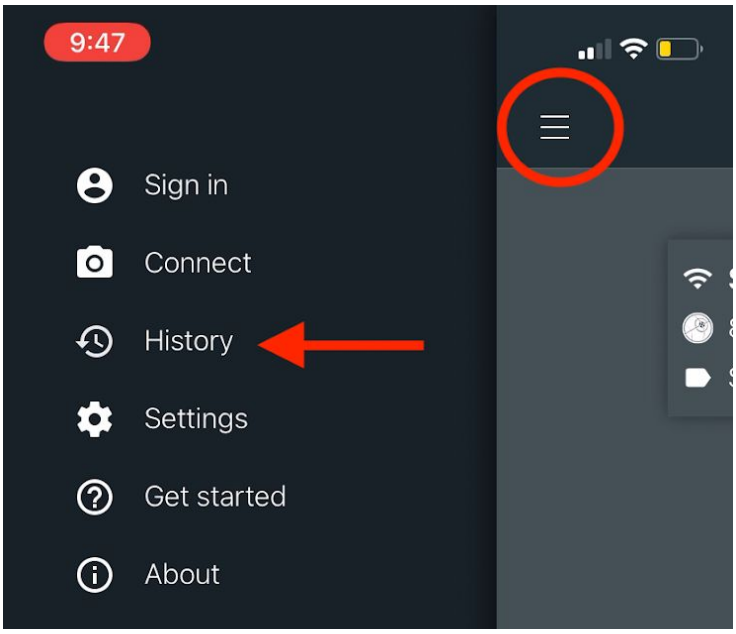
To receive the video streamed over the cloud from a camera, **you must be logged in with a user account that is a member of the camera**. (refer to How to add members to a camera)

1. Open the **Connect** screen and select the **Cloud** tab. You will see the available streams you have access to.
2. Tap on the stream you want to connect to.

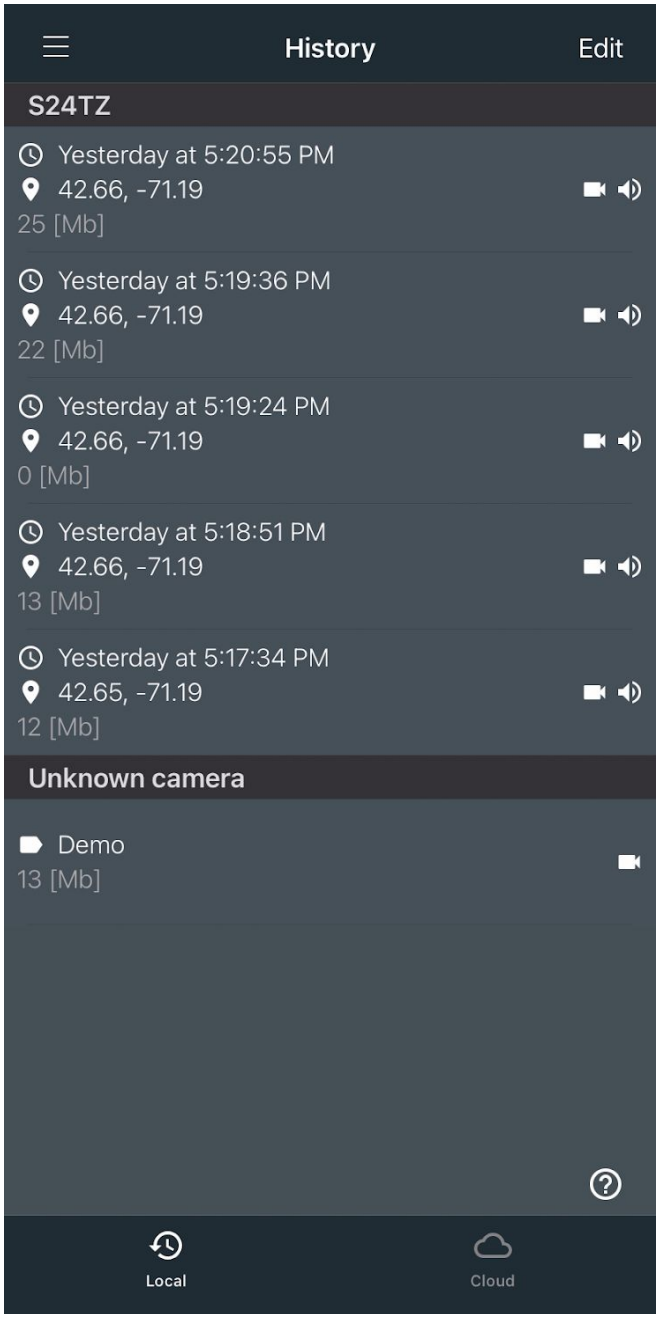


History videos

1. Open the app Menu and select **History**

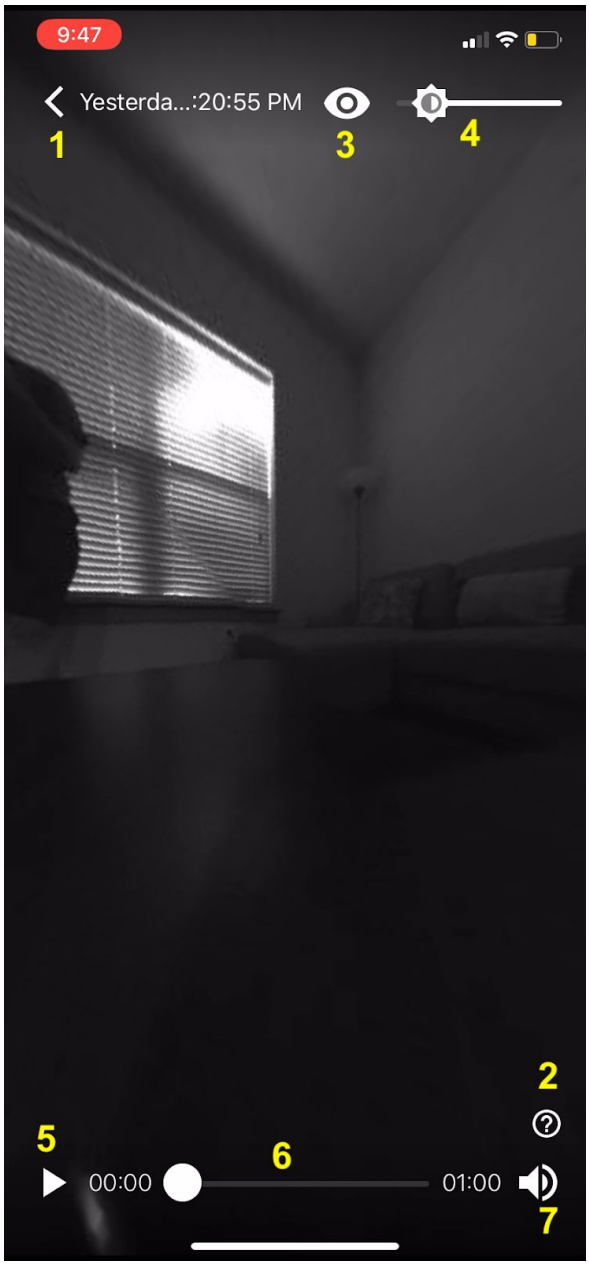


2. You have 2 tabs:
    a. **Local:** the videos you have stored in your iOS device memory. By default all videos are saved when received, you can turn this off in the app settings.
    b. **Cloud:** the videos stored in the cloud using Bounce Imaging cloud streaming service. You can access them from any iOS or iOS device.
3. Select the **Local** tab**.** You will see all the videos in the storage of the iOS device.



4. **Tap** a video from the list to play it.
5. Click **Edit** on the top right corner to select and delete videos.

History Player Options

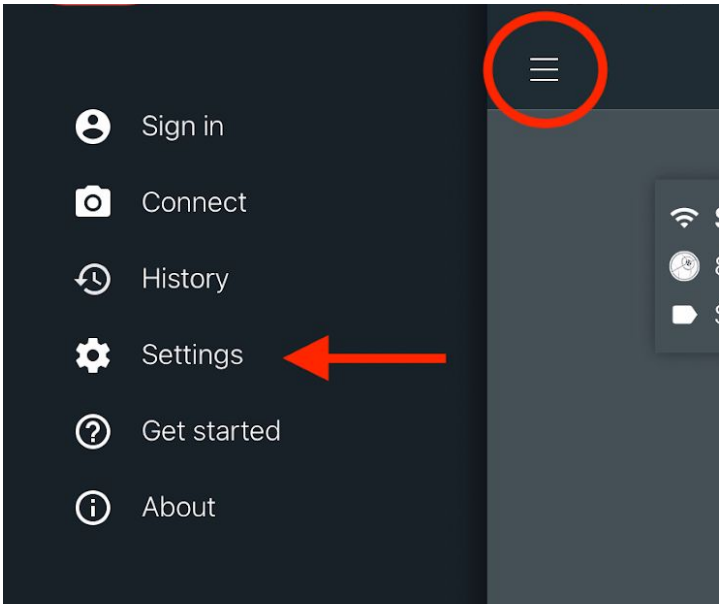


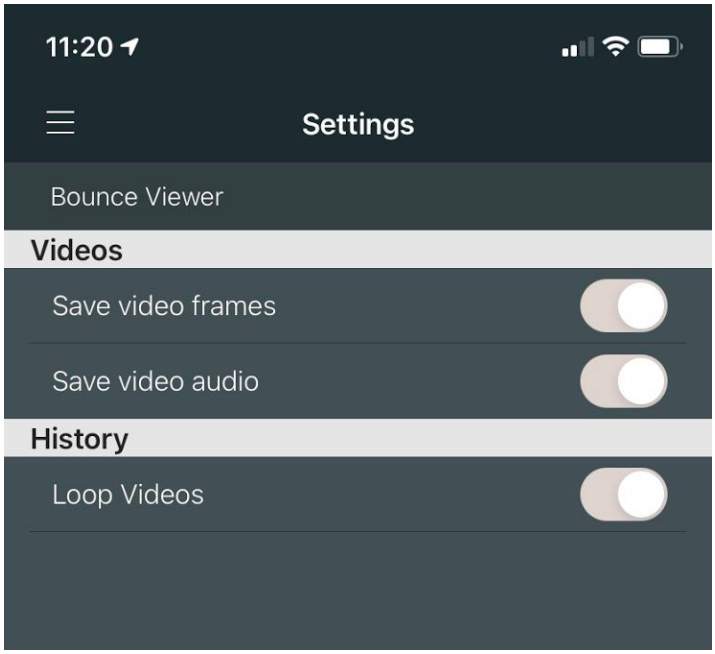
#	Description
1	Return to the History Videos screen.
2	Show additional help
3	Shows additional view options including 4-panel mode, Wide angle and Dog Mode. You can refer to Visibility Options.

4	Changes the video player brightness.
5	Resume/Pause the current video.
6	Playback controls. Used to navigate to a different position in time of the current video.
7	Mute/Unmute the audio received from the camera. Only available for Tactical Audio and Unleashed cameras.

App Settings

1. Open the app Menu and select **Settings**





Available Settings

Setting	Description
Window brightness	Allow the application to set the brightness

	automatically to max. Default is ON.
Save video images on device	Save the images of the received video locally on the device storage. Default is ON.
Save video audio on device	Save the audio of the received video locally on the device storage. Default is ON.
Loop History Videos	When looking at a video in History, restart the video when it finishes.
Silent Mode	Tap 3 times the “Bounce Viewer” text to switch to Silent mode. This will disable sharing analytics data with any server.