Swann™

SwannCloud

INSTRUCTION MANUAL

Important Information

FCC Verification: This equipment has been tested and found to comply with the limits for 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 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 or more of the following measures -

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and the 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.

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions -

- These devices may not cause harmful interference.

- These devices must accept any interference received, including interference that may cause undesired operation.

Important Note: All jurisdictions have specific laws and regulations relating to the use of cameras. Before using any camera for any purpose, it is the buyer's responsibility to be aware of all applicable laws and regulations that prohibit or limit the use of cameras and to comply with the applicable laws and regulations.

FCC Regulation (for USA) - Prohibition against eavesdropping: Except for the operations of law enforcement officers conducted under lawful authority, no person shall use, either directly or indirectly, a device operated pursuant to the provisions of this Part for the purpose of overhearing or recording the private conversations of others unless such use is authorized by all of the parties engaging in the conversation.

Warning: Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

Important Safety Instructions

- Make sure product is fixed correctly and stable if fastened in place.

- Do not operate if wires and terminals are exposed.

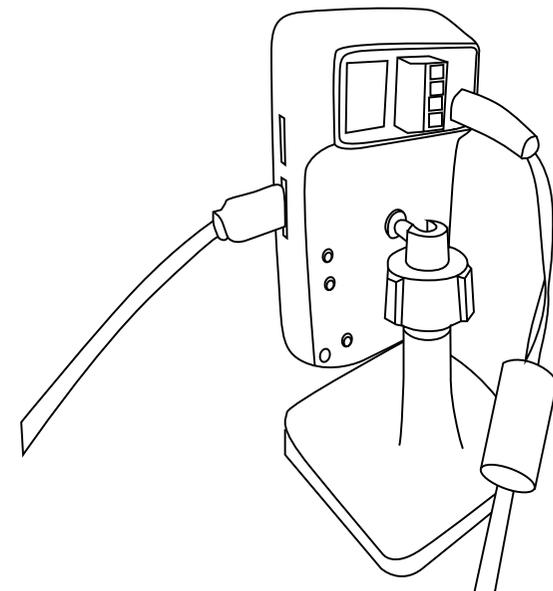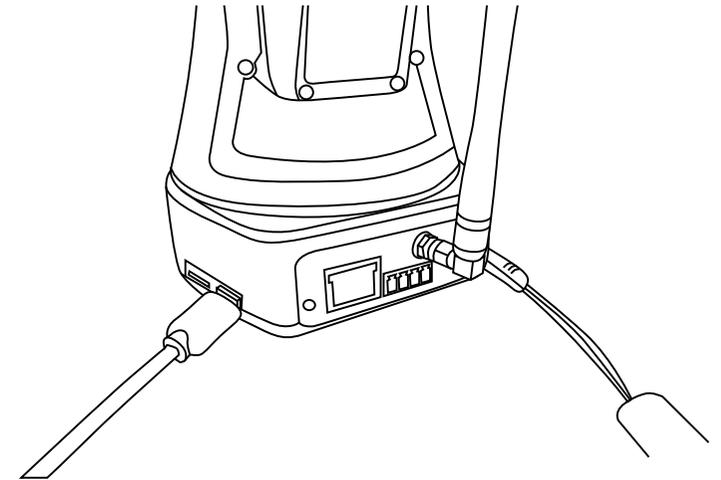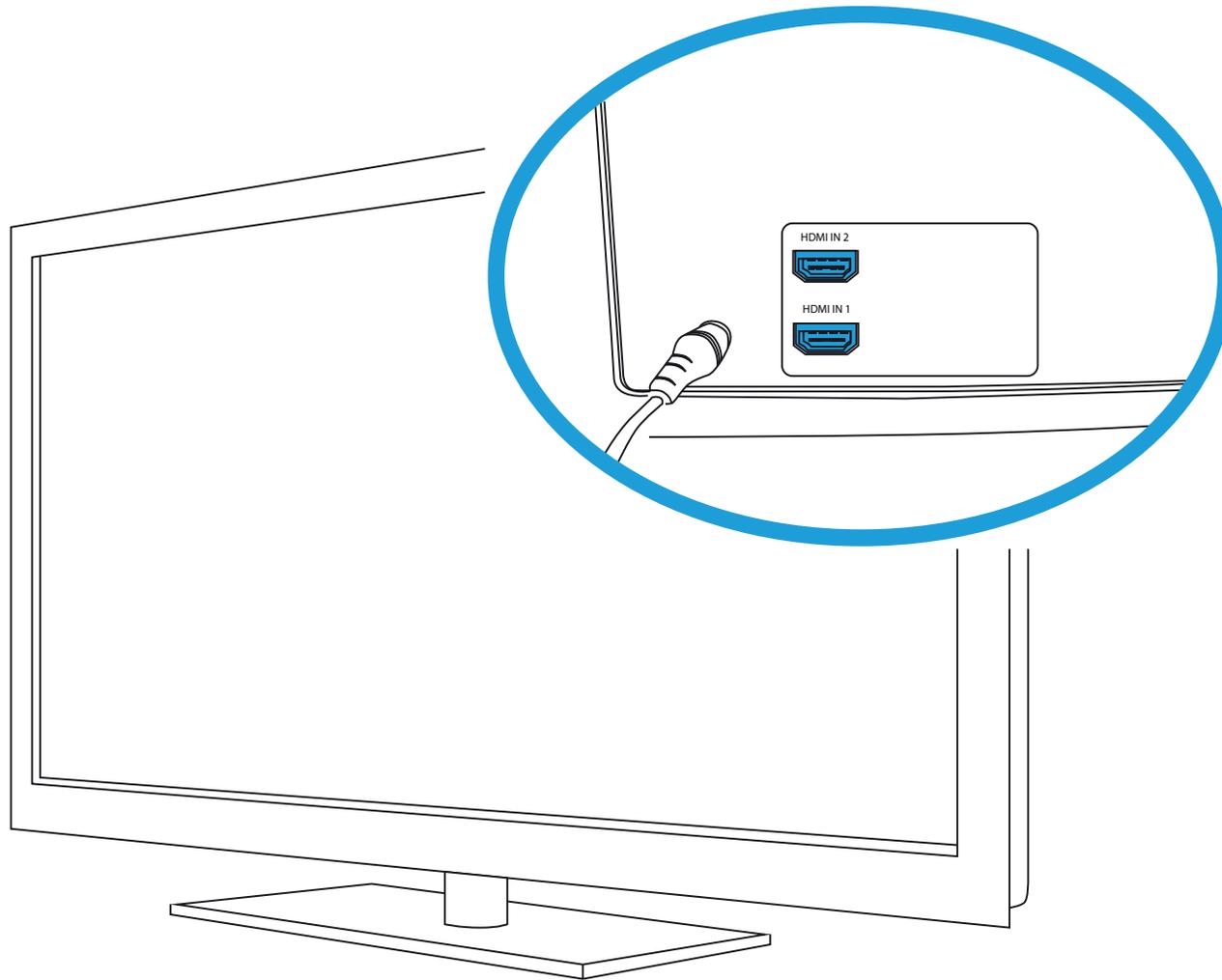- Do not cover vents on the back of the device and allow adequate space for ventilation.

Default Password Information (Internet Browser Login only)

- To ensure your privacy, this device supports password protection.

- The default, all-access username is **admin**, the default password is **12345**. This is the camera's password - not your account password!

- To ensure your ongoing privacy, we strongly recommend setting a password as soon as possible. Choose something that you'll remember, but that others would be unlikely to guess.
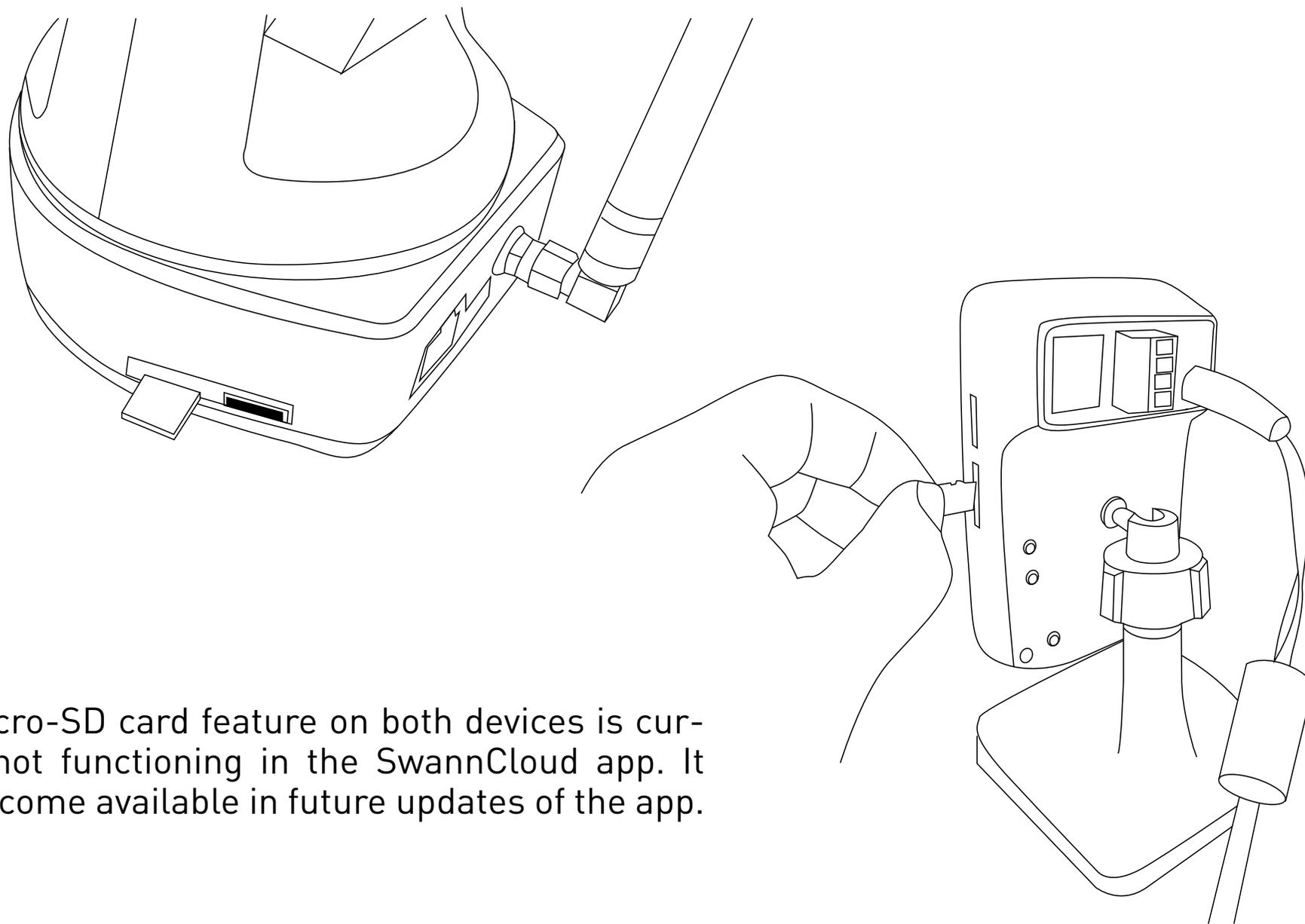
Contents

Connect the Camera to your HDTV

HDMI IN 2

HDMI IN 1

Connect a mini HDMI cable (not supplied) to the mini HDMI input on the camera and connect the other end to a spare HDMI input on the TV.

Inserting a Micro-SD Card

The Micro-SD card feature on both devices is currently not functioning in the SwannCloud app. It may become available in future updates of the app.

Installing the Mounting Bracket (ADS-446)
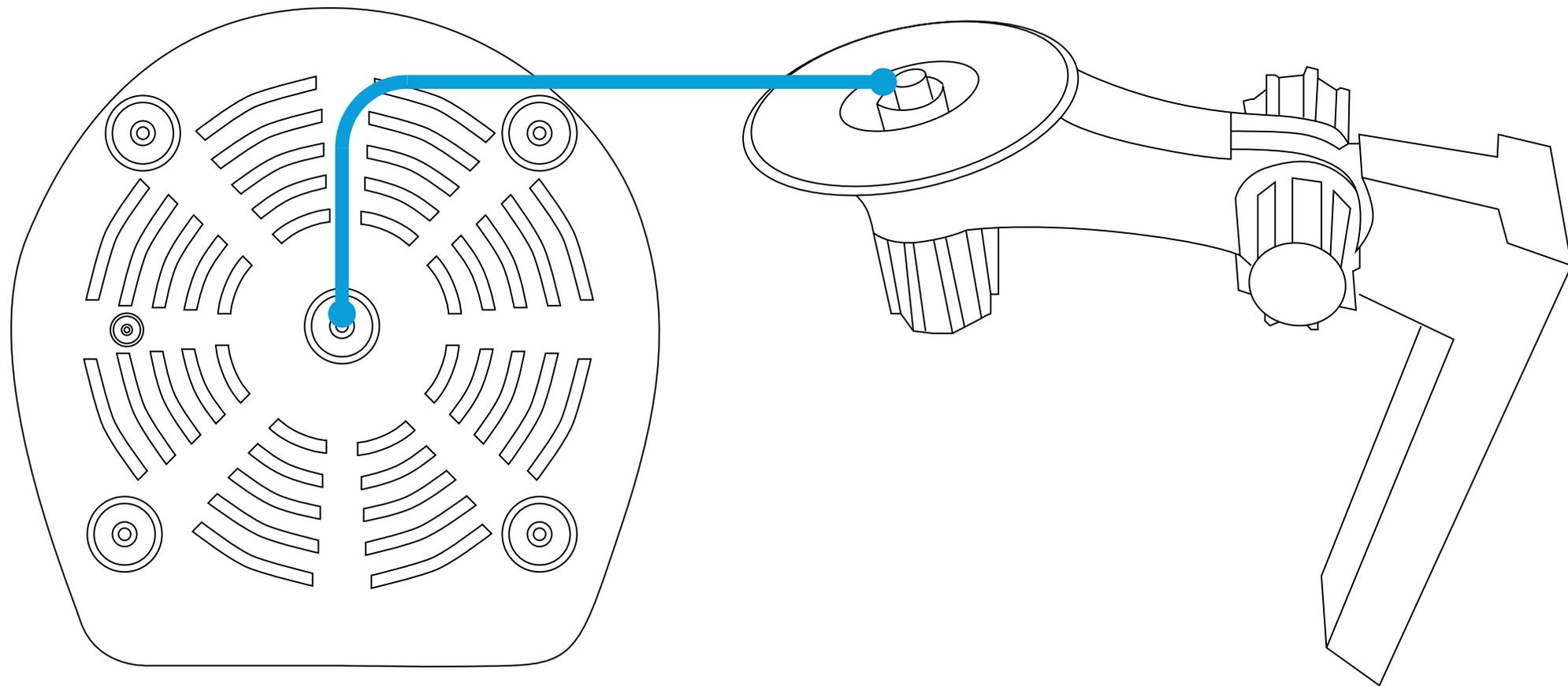
The provided mounting bracket connects to the bracket mount located underneath the camera. You can use this to mount the camera to a wall or ceiling.

Alarm I/O Block
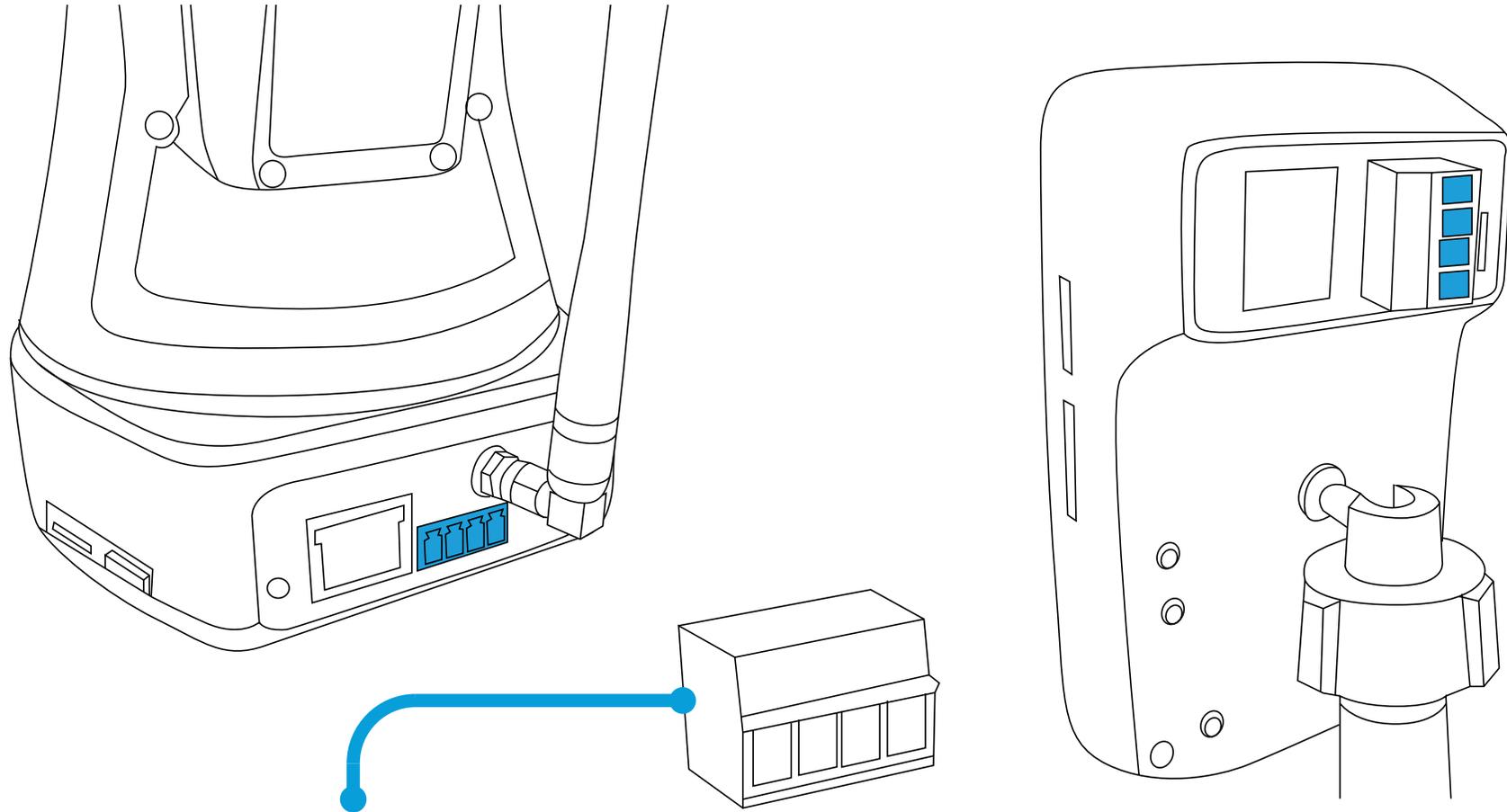
The connection to the Alarm I/O input can be disconnected from the camera, for easier connection of external alarms and sensors. Note the markings on the camera for OUT, GROUND and IN. Consult the documentation that is included with your alarm for connection instructions.

SwannCloud Mobile App: Camera Settings: Motion Area

Camera Settings

General Settings

Camera Name	Living Room ❯
About Camera	Up-To-Date ❯

Event Settings

Motion Detector	**ON**
Intrusion Detector	OFF
Camera Tamper	OFF
Face Detector	OFF
Video Analytics Settings	❯ 🟢
PIR	OFF
Alarm In	OFF
Offline Detector	OFF

Video Settings

Video Stream	❯
Image Quality	❯

Event Settings

Video Analytics Settings

Sensitivity	80 ❯
Person Size	❯
Motion Area	❯ 🟢
Intrusion Direction	❯
Event Delay	1 ❯

Home   Event (45)   Camera   More

Event Settings

Motion Area

Select All   Clear All

Home   Event   Camera   More

Have a look at the quick start guide on how you access camera settings. Tap on "Video Analytics Settings" then tap "Motion Area". This is where you can select a particular area of the cameras view that you would like to enable for motion detection.

In the above example, the entire view of the camera is enabled. Tap "Clear All" or tap on one of the squares to disable or enable that area. Tap the return button on your mobile device or tap "Home" to exit.

Camera Settings

General Settings

Camera Name	Living Room >
About Camera	Up-To-Date >

Event Settings

Motion Detector	OFF
Intrusion Detector	ON
Camera Tamper	OFF
Face Detector	OFF
Video Analytics Settings	>
PIR	OFF
Alarm In	OFF
Offline Detector	OFF

Video Settings

Video Stream	>

Home   Events (1)   Camera   More

Event Settings

Video Analytics Settings

Sensitivity	80 >
Person Size	>
Motion Area	>
Intrusion Direction	>
Event Delay	1 >

Home   Event (45)   Camera   More

Event Settings

Intrusion Direction
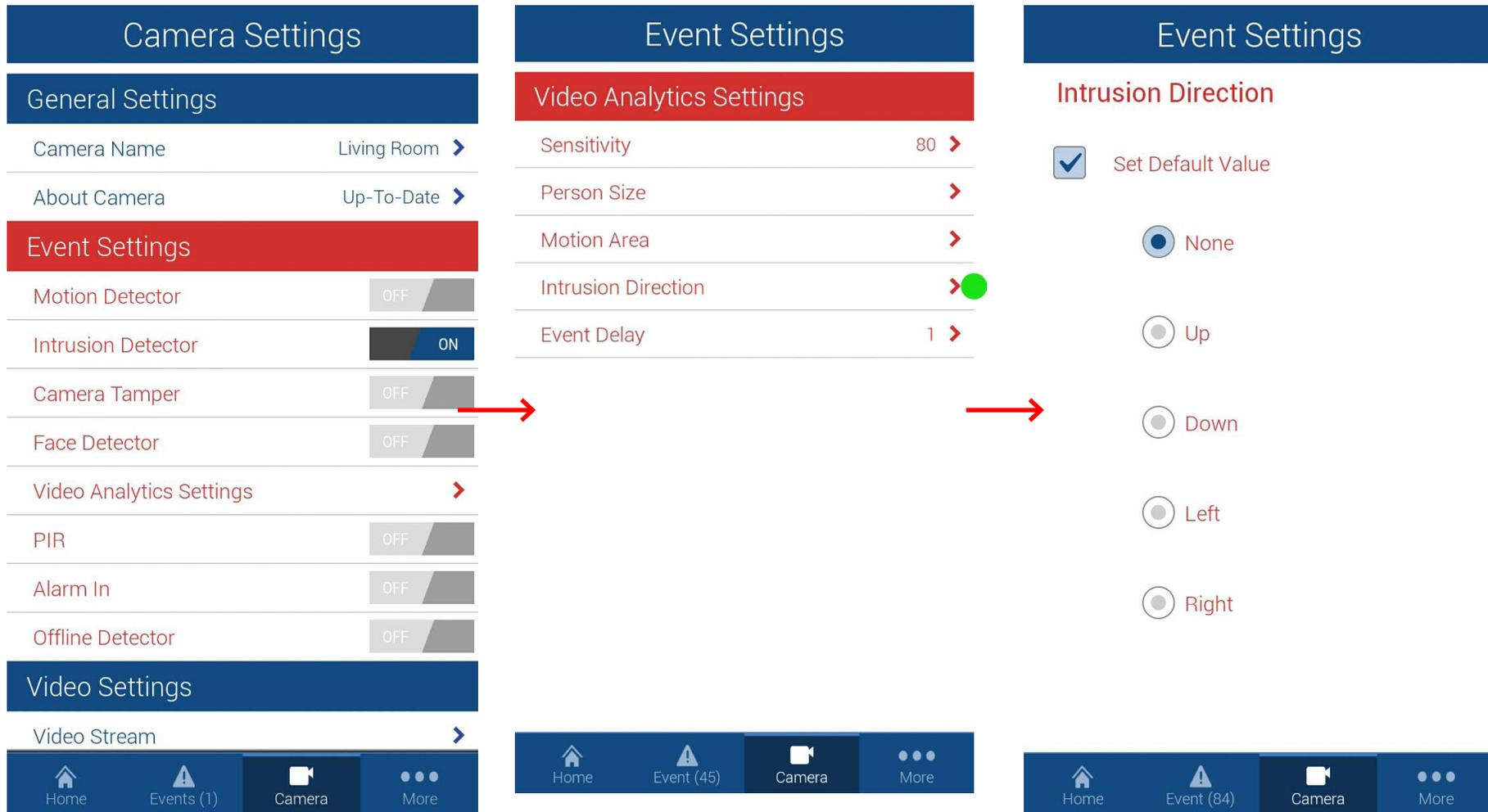
☑ Set Default Value

- ● None
- ○ Up
- ○ Down
- ○ Left
- ○ Right

Home   Event (84)   Camera   More

Have a look at the quick start guide on how you access camera settings. Tap on "Video Analytics Settings" then tap "Intrusion Direction". This is where you can select which intrusion direction you would like the camera to alert you to.

For example, if someone is entering the cameras view from the left and moving to the right, you would select the "Right" direction value for an intrusion to be detected. Tap the return button on your mobile device or tap "Home" to exit.

Camera Settings: Sensitivity, Person Size & Event Delay

1 Event Settings

Sensitivity

☑ Set Default Value

80%

0 ————————⬤———— 100

2 Event Settings

Person Size		
Minimum Width	10%	>
Minimum Height	10%	>
Maximum Width	80%	>
Maximum Height	80%	>

3 Event Settings

Event Delay

☐ Set Default Value

2 minutes

0 ——⬤————————— 10

Home | Event (40) | Camera | More

Home | Event (40) | Camera | More

Home | Event (40) | Camera | More

1. Sensitivity – This will adjust how sensitive the camera will be when detecting events. The default value of 80% will work in most environments, but you can adjust it according to your needs.

2. Person Size – This will adjust the settings for facial detection. The default values will work in most environments, but you can adjust it according to your needs.

3. Event Delay – This will adjust the delay time between events.

Which event type(s) should I be using?

Intrusion Detection - Intrusion detection is really useful if you want the camera to detect movement in a particular direction. For example, if an object is moving from left to right, you would select "Right" as the intrusion direction within the app.

Motion Detection - Select motion detection if you want the camera to detect any type of motion within the camera's viewpoint. You can also notify the camera to detect motion in a particular area of its view, a window or door for example.

PIR Detection - This detection method utilizes the PIR sensor that is located at the front of the camera. PIR technology can measure infrared light radiating from an object; therefore selecting this will ensure you won't get false events recorded. Please note; the PIR sensor has a shorter range of detection, therefore it is mainly used to record movement that is closer to the camera's view. It is recommended to enable this if you have selected motion detection.

Facial Detection - Facial detection technology determines the location and size of a human face. It detects facial features and ignores anything else such as buildings, trees and other objects. This is recommended if you are monitoring the front entrance to your house or garage.

The SwannCloud Web App

Using your computer, you can use an Internet browser to access your SwannCloud camera. You can use the web app to view and delete events, and to mark events so they are permanently stored. At this stage of development live video is not available, but it may become available in future updates. Go to the following website (www.swann-cloud.com). You will see the following -
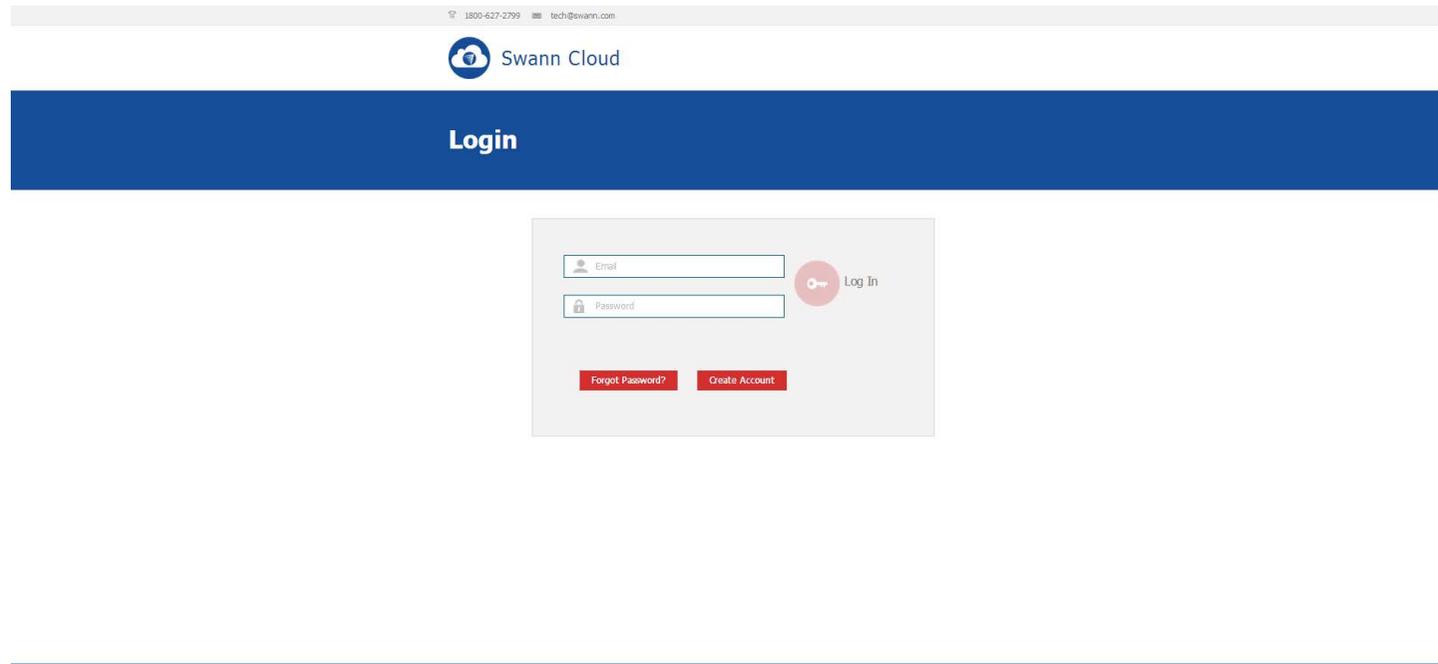

As you can see, the general look and feel is the same as the mobile app. Input your user name and password that you previously created or click "Create Account" to create a new user account. Please note; when creating a new account, you need to configure your camera(s) for that particular account.

💡 The basic SwannCloud account allows you to mark up to three events for safe keeping. Any settings that you change in the web app will also be reflected in the mobile app and vice versa.

Using SwannCloud Web App
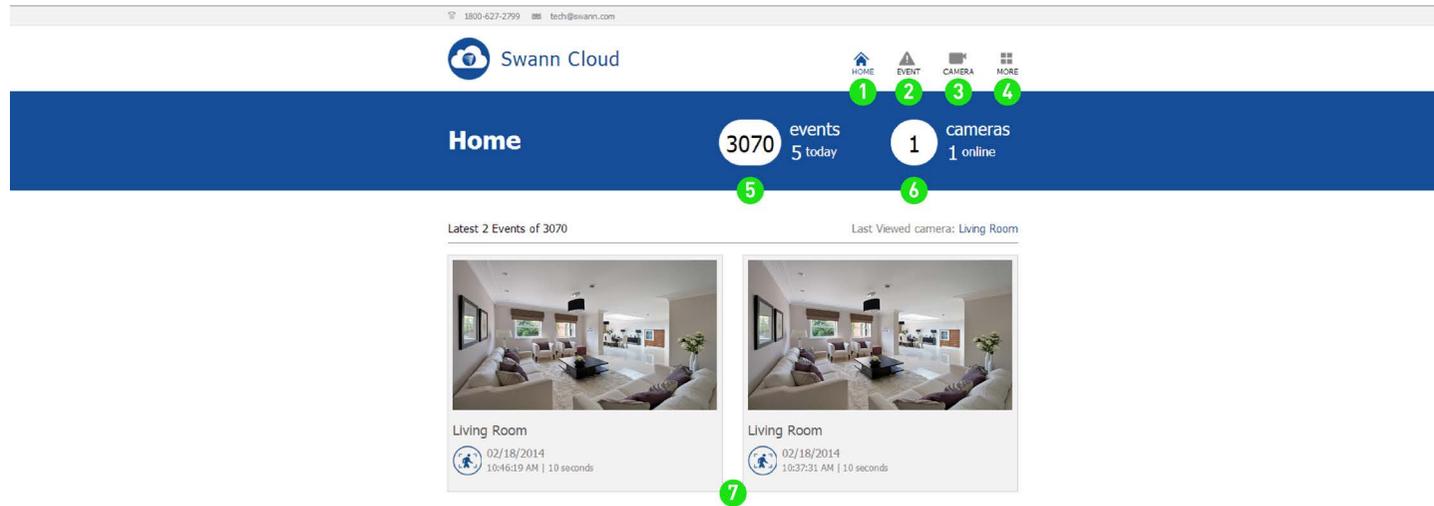
1. Click this to go to the home screen.

2. Click this to access the event screen.

3. Click this to access the camera list. You can also add additional cameras here.

4. Click to logout or to access account details.

5. This displays how many events have occurred in total and for the day. Events occur whenever motion or an intrusion has occurred.

6. This displays the amount of cameras that have been registered to your account. It also displays if a camera is offline.

7. SwannCloud will always display the last two events that have occurred on the home screen.

💡 Use the volume control on your computer to increase or decrease the volume level.

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SwannCloud Web App: Viewing your Camera

1. If you have multiple cameras, you can select a camera from the list to view.

2. Click this to add another camera to your account.

3. This displays the event settings that are currently enabled.

4. Click this to enter camera settings.

5. Click this to view your camera.

6. Click this to go back to the camera list.

7. Select a different camera in the drop-down list and click this to display a live view stream.

8. Click this to enter camera settings.

9. Click this to turn night vision on or off or to leave it on auto.

10. Click this to control a pan & tilt camera. This function is for the ADS-446 only.

11. Click this to take a snapshot of the live video stream.

SwannCloud Web App: Viewing Events

1. You can filter events by date and time, or by camera.

2. Click on the calendar icon to select a from and to date, then click this to search.

3. When tagging one or more events, you can select to delete, mark or unmark those events. Click "Update" to apply.

4. This allows you to select a different page when searching for events.

5. Click the play button to playback that particular event.

6. Tick the check box to tag an event.

7. Click this to go back to the event list.

8. Click to mark this particular event. Marking an event will prevent it from being deleted.

9. Click to delete this particular event.

10. Click this to display a live video stream.

SwannCloud Web App: Event Settings

Camera Settings | **Event Settings** | **Video Settings**

Video Analytics

Sensitivity

30   100

Person Size (%)

Minimum

Min.Width 10 ▼   Min.Height 10 ▼   **2**

Maximum

Max.Width 80 ▼   Max.Height 80 ▼   **3**

1. This will adjust how sensitive the camera will be when detecting events. The default value of 80% will work in most environments, but you can adjust it according to your needs.

2 & 3. This will adjust the object size for all event types. The default values will work in most environments, but you can adjust it according to your needs. Basically the app validates objects that are between the minimum and maximum sizes that you select. The position of the box does not matter.

📌 This pin icon will appear on events that have been marked. Events that are marked cannot be deleted. The basic SwannCloud account allows you to mark up to 3 events for safe keeping.

SwannCloud Web App: Event Settings

Motion Detector

On **Off** ④

Intrusion Detector

On Off ⑤

Intrusion Direction

Right ⑥

Camera Tamper

On **Off** ⑦

Face Detector

On **Off** ⑧

Event Delay (minutes)

⑨

0   10

4. Enable or disable motion detection.

5. Enable or disable intrusion detection.

6. This is where you can select which intrusion direction you would like the camera to alert you to. For example, if someone is entering the cameras view from the left and moving to the right, you would select the "Right" direction value, for an intrusion to be detected.

7. Enable or disable camera tampering. A camera tampering event will be created if someone obscures or blocks the view of the camera.

8. Enable or disable facial detection.

9. This will adjust the delay time (in minutes) between events.

Click the "Update" button to apply any changes.

SwannCloud Web App: Video Settings

Camera Settings | Event Settings | **Video Settings**

General

Image Flip

None ▼ **①**

Live View

Resolution
720p

Framerate

②
0   10

Bitrate (Kbits/s)

③
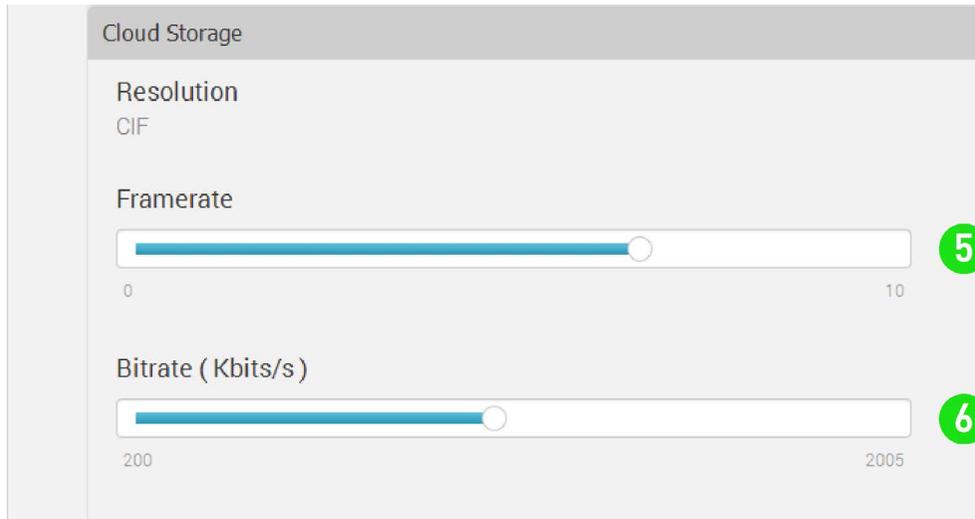200   700

Adaptive Bitrate Streaming

On Off **④**

1. General: Image Flip - If you are mounting the camera on a wall or ceiling, you can use this option to flip the screen horizontally or vertically.

2. Live View: Framerate - Use the slider to change the framerate when viewing a live view stream. Adjusting the frame rate may help if you're having problems when viewing a live stream. Please note; this only affects the mobile app.

3. Live View: Bitrate (Kbits/s) - Use the slider to change the bitrate when viewing a live view stream. Adjusting the bitrate may help if you're having problems when viewing a live stream.

4. Live View: Adaptive Bitrate Streaming - It is recommended to have this option enabled. This allows the app to adapt the live video stream so it displays smoothly even when there is high network traffic.

Cloud Storage

Resolution
CIF

Framerate

0   10   **5**

Bitrate (Kbits/s)

200   2005   **6**

Image Parameters

Saturation

0   50   **7**

Brightness

0   50   **8**

Contrast

0   50   **9**

Sharpness

0   50   **10**

Update

5. Cloud Storage: Framerate - This will alter the framerate for video events that are stored in the cloud. The maximum framerate for the web app is 15 frames per second.

6. Cloud Storage: Bitrate - This will alter the bitrate for the video events that are stored in the cloud. Lowering the bitrate will require less storage space but will affect the overall playback quality.
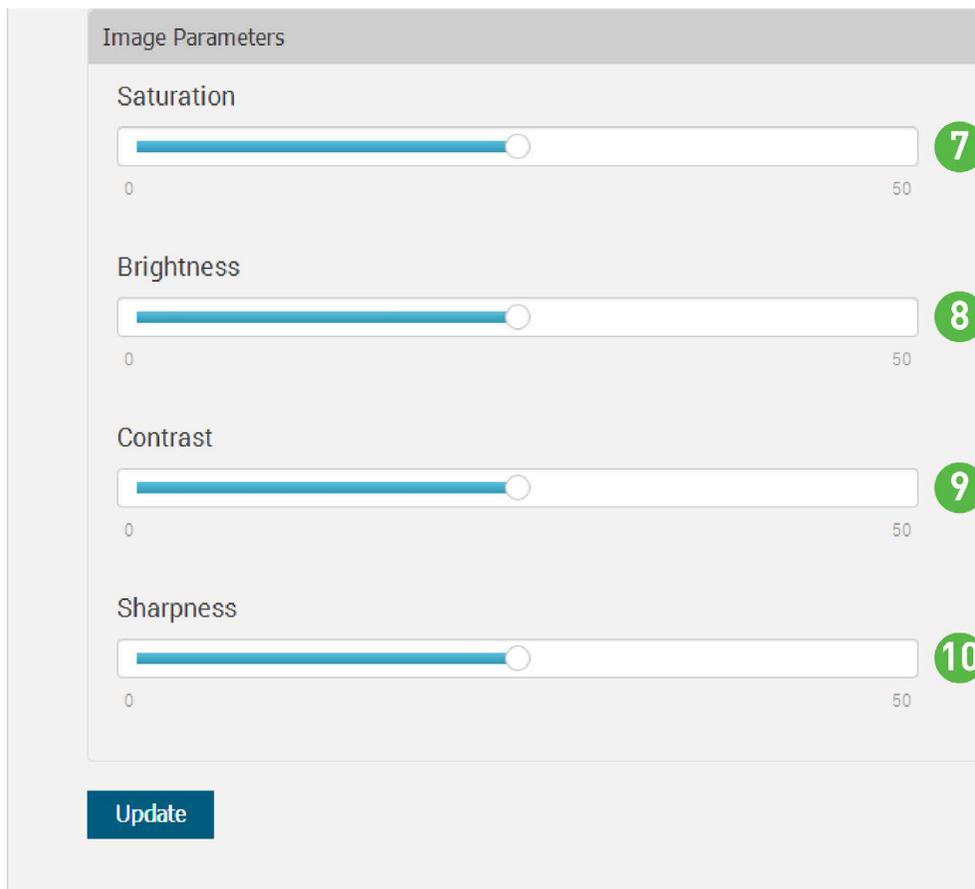
7. Image Parameters: Saturation - Alters how much colour is displayed in the image. The higher the saturation, the more bright and vivid the colours will be.

8. Image Parameters: Brightness - Changes how light the image appears to be.

9. Image Parameters: Contrast - Increases the difference between the blackest black and the whitest white in the image.

10. Image Parameters: Sharpness - This will increase or decrease how sharp the image will appear.

Click the "Update" button to apply any changes.

Warranty Information

USA

Swann Communications USA Inc.
12636 Clark Street

Santa Fe Springs CA 90670
USA

Australia

Swann Communications
Unit 13, 331 Ingles Street

Port Melbourne Vic 3207
Australia

United Kingdom

Swann Communications LTD.
Stag Gates House 63/64 The Avenue

SO171XS
United Kingdom

Warranty Terms & Conditions

Swann Communications warrants this product against defects in workmanship and material for a period of one (1) year from its original purchase date. You must present your receipt as proof of date of purchase for warranty validation. Any unit which proves defective during the stated period will be repaired without charge for parts or labour or replaced at the sole discretion of Swann. The end user is responsible for all freight charges incurred to send the product to Swann's repair centres. The end user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin.

The warranty does not cover any incidental, accidental or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility of the end user. This warranty applies to the original purchaser of the product only and is not transferable to any third party. Unauthorized end user or third party modifications to any component or evidence of misuse or abuse of the device will render all warranties void.

By law some countries do not allow limitations on certain exclusions in this warranty. Where applicable by local laws, regulations and legal rights will take precedence.

For Australia: Our goods come with guarantees which cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to major failure.

Helpdesk / Technical Support

Swann Technical Support

All Countries E-mail: tech@swann.com

Telephone Helpdesk

USA Toll Free	1-800-627-2799
USA Exchange & Repairs	1-800-627-2799 (Option 1)
	(M-F, 9am-5pm US PT)
AUSTRALIA	1300 138 324
NEW ZEALAND Toll Free	0800 479 266
UK	0203 027 0979