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# User Manual

## IPmotion v. 1.0



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# I. Preface

**IPmotion** is a powerful mobile application designed for connecting your mobile device to specific IP Cameras. **IPmotion** supports push video (motion notification), for IP Cameras using an SD Card.

**IPmotion** is able to provide live video and playback videos from SD card. Snapshots are also supported on this version.

## II. Features

- Live Video
- Split screen view
- Sort camera by title, IP, status
- Snapshot
- Change channel
- Two way audio
- PTZ control
- Preset points setting
- Digital zoom for non PTZ-camera
- Motion Detection
- Push video
- Push video list
- Reading from SD card
- Searching LAN devices

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## III. Installation

Before the Installation make sure your Android mobile can connect to the internet via WIFI or ISP (3G, 4G). **Note: After installing you must grant IPmotion full permissions**

### A. Installation via QR code

1. Scan the following QR code with your Android Phone. **NOTE: You will need a QR code scanner previously installed on your phone.**



2. After scanning the code. The phone will open the APP store, displaying the IPmotion general information. **Please go to point 7.**

### B. Installation via APP Store

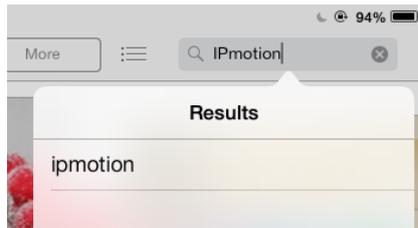
3. Find the  icon on your phone desktop. Press it for opening the APP store interface.

4. Press on the  icon or showing the “search bar”. **Note:** In some devices, by default, the “search bar” is displayed on the top-right corner of the screen.

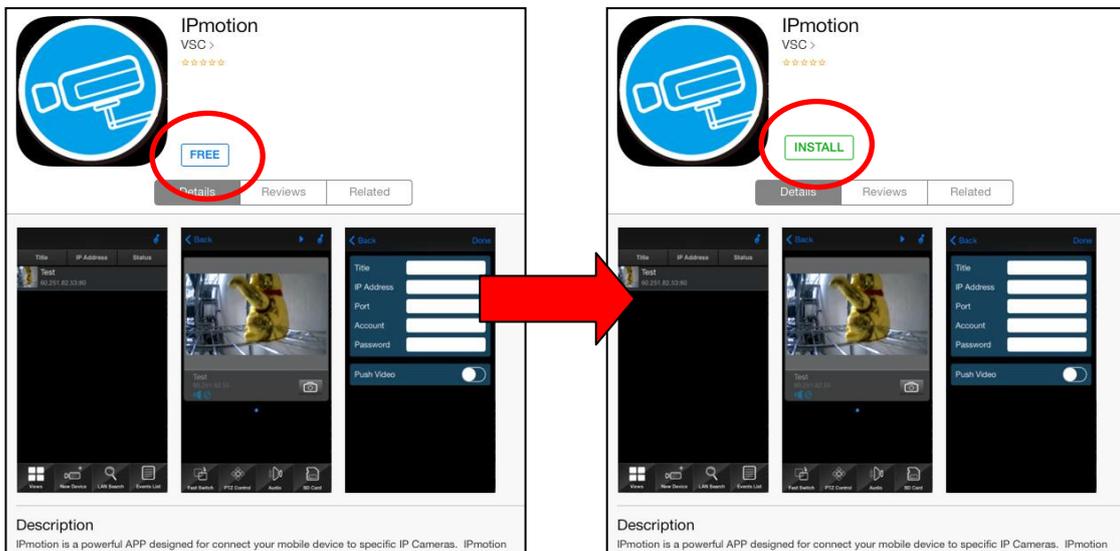
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5. Press on the icon or showing the “search bar”. Note: In some devices, by default, the “search bar” is displayed on the top-right corner of the screen.

6. Type-in “IPmotion” for start the searching. Note: on iPad, please select to search on for iPhone



7. When the APP general is displayed press on “Free” and then “Install” for start the installation.



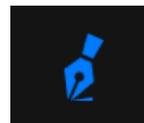
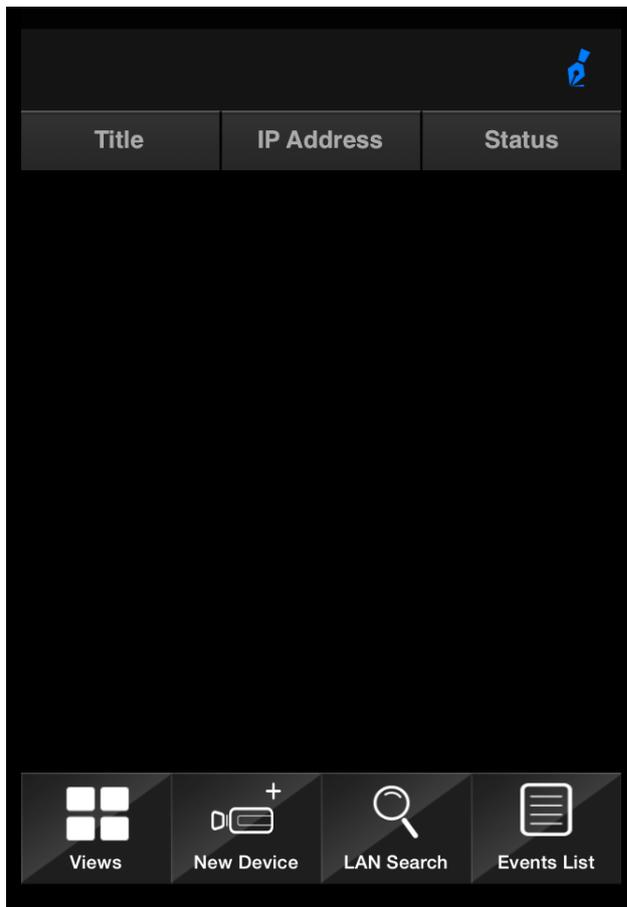
8. After completing the installation, the IPmotion icon  can be found on your phone desktop. Press on the icon for opening the APP.

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# IV. GUI Description

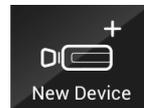
## 1. Main Screen



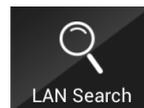
Edit



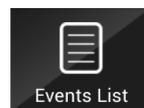
Switch between List View/ 4 Split Screens view mode.



Add a new IP Camera.



Search for a IP Camera within the LAN.



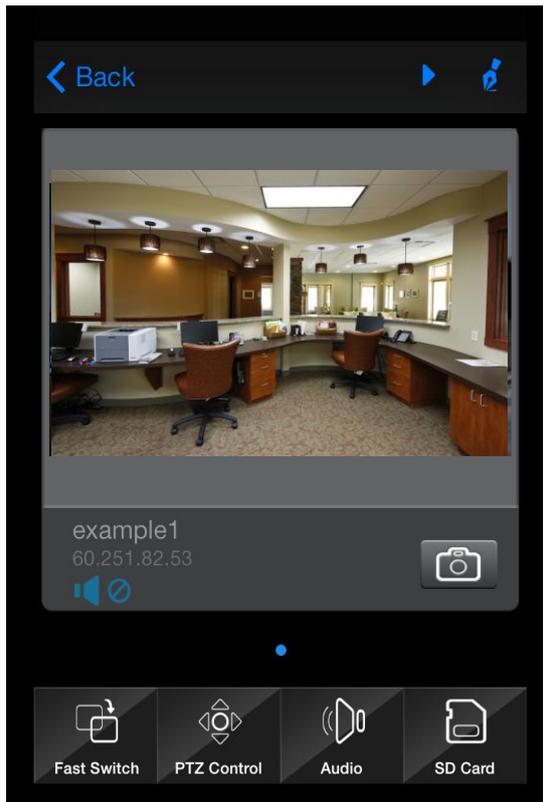
Display the Events List.



Sort the IP Cameras by Title, IP and Status

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## 2. Live View



Go back to main screen



Auto play



Take a snapshot



Switch the IP Camera Live view for another one on the IP Cam list.



Enable / Disable the PTZ controls or digital zoom control



Enable / Disable audio from IP Cam



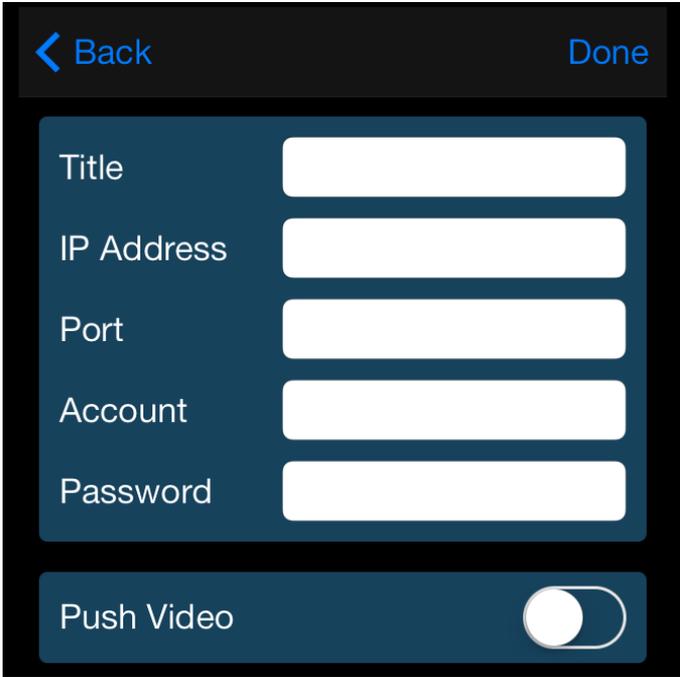
Display the files inside the SD card.

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# V. Operations

## 1. Adding IP Cam

Press on the  button. It will open the following interface.



The screenshot shows a mobile application interface for adding a new device. At the top, there is a dark blue header with a white back arrow and the text 'Back' on the left, and the text 'Done' on the right. Below the header is a dark blue form with five white input fields. The labels for these fields are 'Title', 'IP Address', 'Port', 'Account', and 'Password'. At the bottom of the form is a dark blue button labeled 'Push Video' with a white toggle switch to its right.

Type-in the following information:

**Title:** The name for the IP Camera to be displayed on the APP.

**IP Address:** The IP address or DNS of the IP Camera

**Port:** The port used for connecting to the IP Camera.

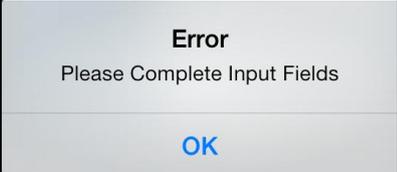
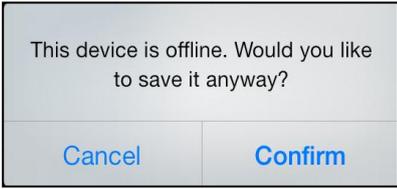
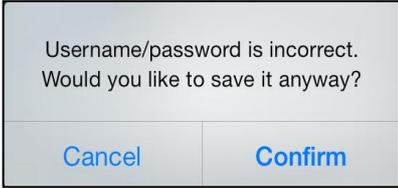
**Account:** The account name for login into the IP Camera.

**Password:** The password associated with the account name.

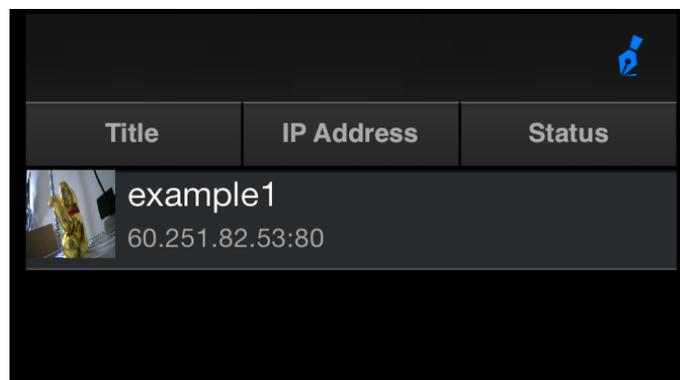
The Push Video function will be explained later in this document.

After typing-in all the information press on “Done” (the top-right corner of the screen) for adding the IP Camera.

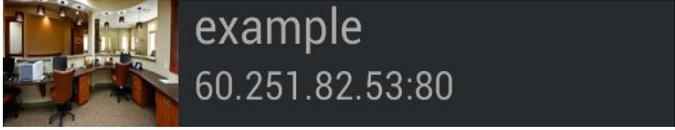
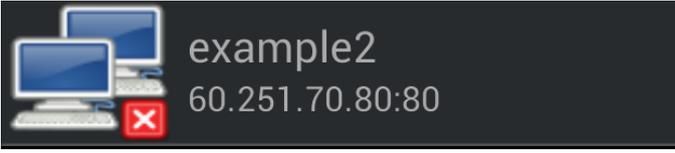
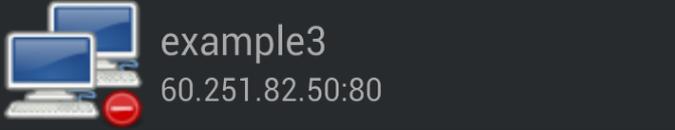
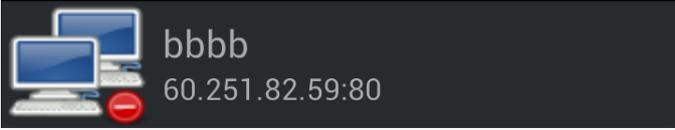
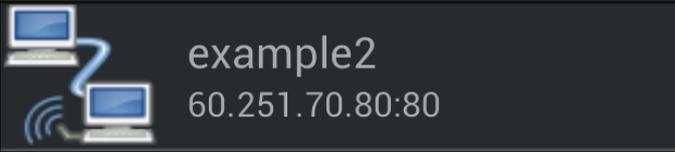
After pressing on “Done”, the following messages might appear.

Situation	Message
<p>Information incomplete (All fields require an input)</p>	
<p>The IP Camera is off-line</p>	 <p>By pressing on “Confirm” the IP Camera will be added displaying an off-line state</p>
<p>Invalid account name or password</p>	 <p>By pressing on “Continue” the IP Camera will be added displaying an off-line state</p>

If there is no any error message the Camera will be added into the APP interface.



On the interface the IP Camera will display of the following states:

<p><b>On-line</b></p>	 <p>Displays snapshot from current Live View</p>
<p><b>Off-Line</b></p>	 <p>Connection loss</p>
<p><b>Incorrect Account</b></p>	 <p>Incorrect account name or password</p>
<p><b>Not IP CAM</b></p>	 <p>The device added is not an IP Camera</p>
<p><b>Connecting</b></p>	 <p>The APP tries to re-connect the IP Camera after a login error or a connection loss.</p>

**NOTE:** Pressing the IP Camera on the IP Camera list will refresh its state

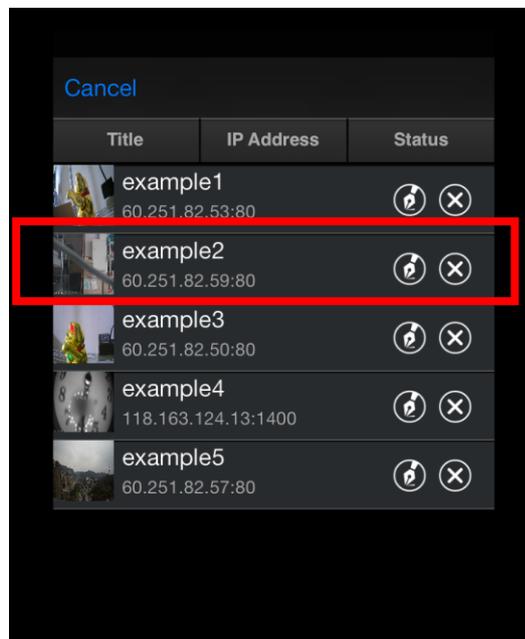
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## 2. Edit & Delete IP Cam

### 1. List View

After adding the IP Camera you can modify its information or delete it. It can be performed in two ways.

Press on the  button for enabling the editing mode.

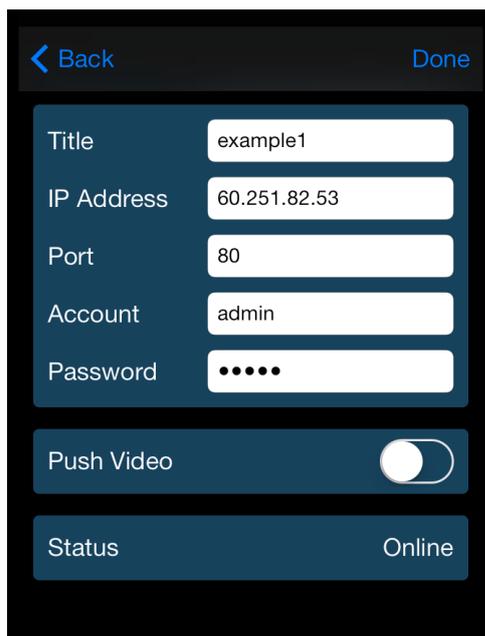


Pressing on the  button will delete the IP Cam from the list.

Pressing on the  button will display the Camera info for modifying its information.

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After typing-in all the information press on **“Done”** (the top-right corner of the screen) for applying the changes.

## 2. Live View

Press on the  button located at the top-right corner of the screen for showing the options. The following options will pop-out.



By selecting on **“Edit”** the  buttons will be displayed at the bottom-right corner of the Live View screen.

Pressing on the  button will delete the IP Cam from the list.

Pressing on the  button will display the Camera info for modifying its information.

After typing-in all the information press on **“Done”** (the top-right corner of the screen) for applying the changes.

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## 3. Push Video

Push Video is a function triggered when the IP camera detects motion. The IP Camera will send notification together with the video event.

### BEFORE USING PUSH VIDEO:

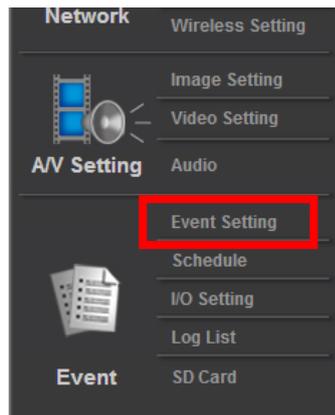
- Make sure the IP camera has access to the Internet.
- Make sure the mobile device has access to the Internet.
- You need an SD Card inside the IP Camera.
- Setup the IP Camera, for storing video at the SD Card when motion is detected.

### EXAMPLE:

1. Open your browser and type-in the IP address of the IP camera.
2. Click on the “administration page” button, located at the top-right corner, as shown in the picture below.



3. On the “administration page” click on “Event Setting”, as shown in the picture below.



4. Set the area motion and tick on “Save to SD Card”, as shown as the picture below. Also, set the interval time for detecting motion events. It is recommended to set **60 seconds**.



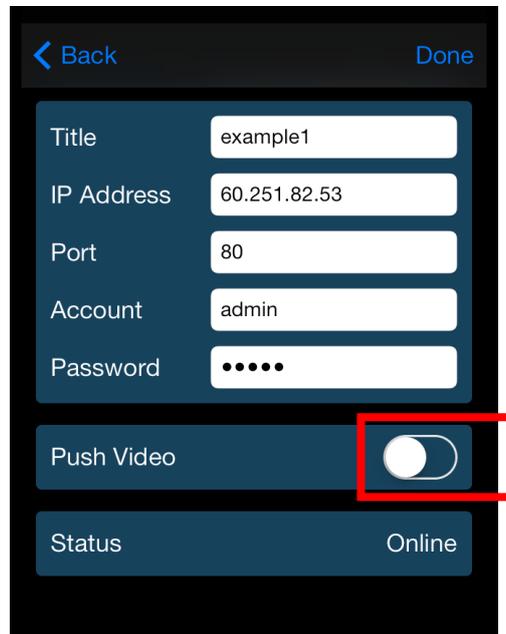
5. “Record Time Setting” set the video length for the video. This length will be same as the video received by the push notification.



5. Click on **APPLY** for saving the changes.

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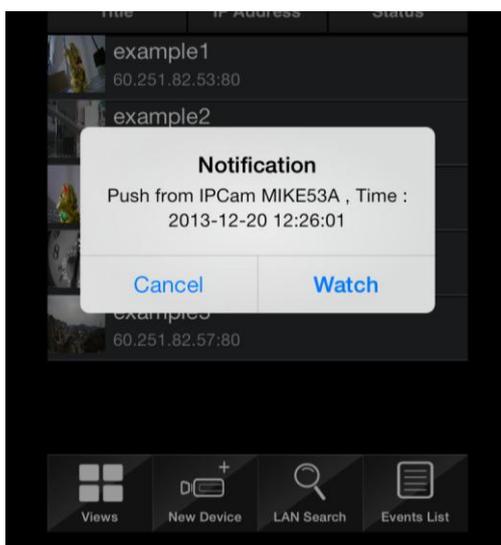
When adding or editing an IP camera. Press on the “Push Video” button.



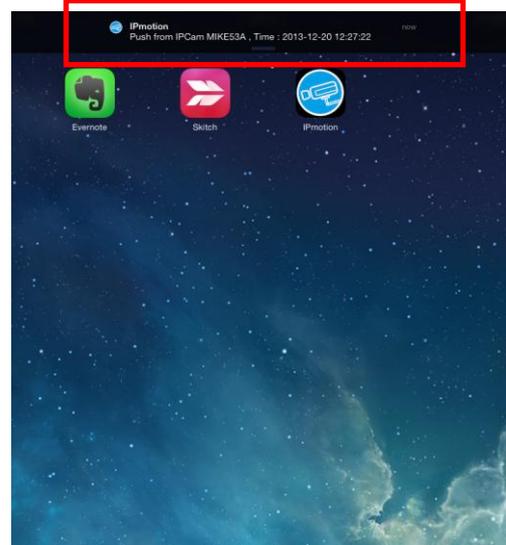
After typing-in all the information press on “**Done**” (the top-right corner of the screen) for applying the changes.

The IP Camera will start receiving notifications and soon as it detects motion.

**While using IPmotion**



**While performing another activity**



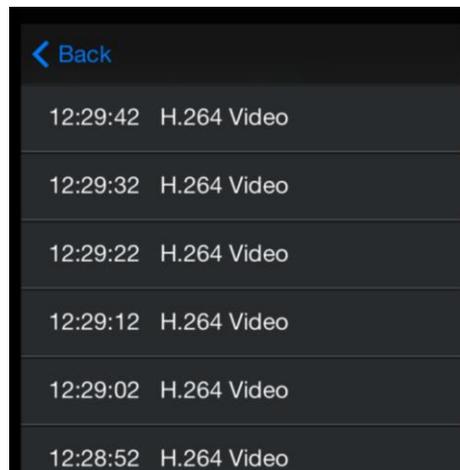
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The APP can display up to **1, 5 or 10** notifications, depending on your settings.

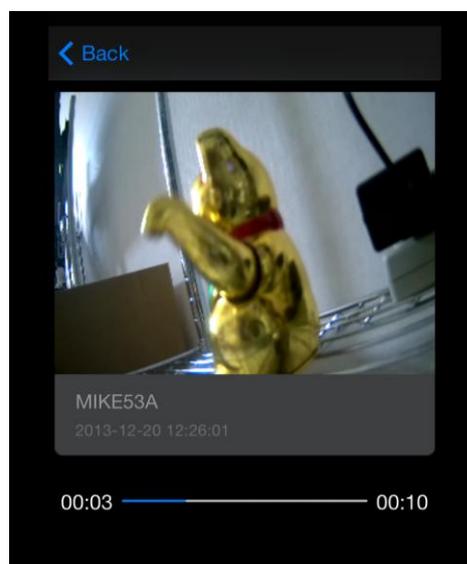
If you received the notification while using IPmotion, please press on **“Watch”**, to see more details about the notifications.

If you received the notification while performing another action, please open the notification bar and press on any “Push Video” event to see more details about the notifications.

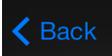
After this you will see a list of the recent events registered on the APP, classified by date and time.



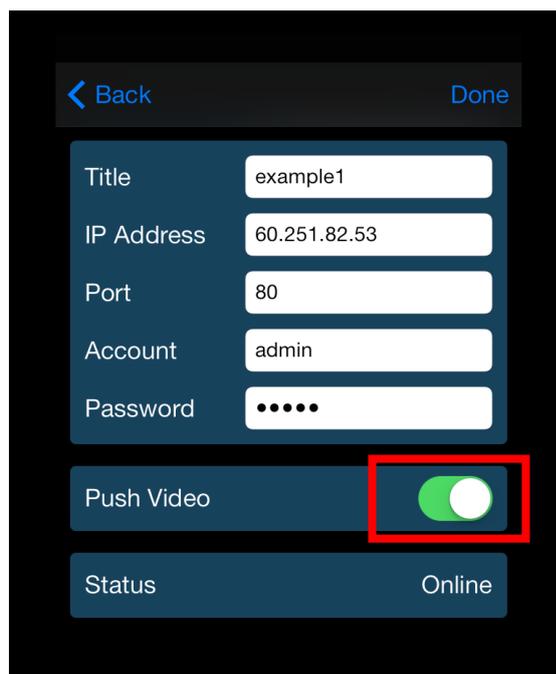
Press on any of the recent events to see the video related with the event.



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After watching the video press back on your phone or press the  button for going back to the latest event list.

For disabling the Push Video function press “Push Video” on the editing interface.



After typing-in all the information press on “**Done**” (the top-right corner of the screen) for applying the changes.

## 4. IP Cam Sorting

In the top of the main screen you will find the following buttons:



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Each one represents a different kind of sorting. The sorting is enabled by pressing on it.

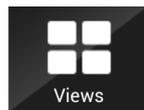
The APP is able to sort the IP Cameras in three different ways:

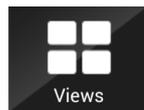
**Title:** Alphabetically ordered from A to Z.

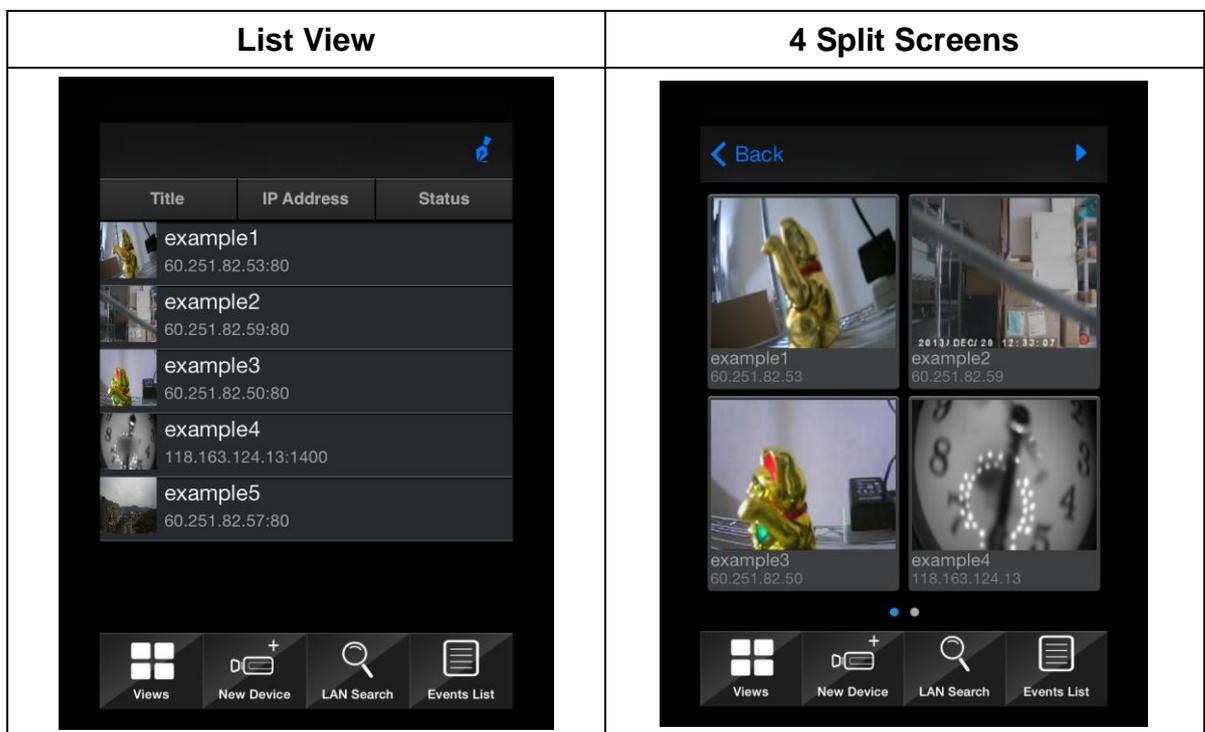
**IP:** Ordered by the IP address, from 0 to 9.

**Status:** Ordered by Status: Online, Offline, Incorrect Account

## 5. View Mode



Press on the  button to switch between List View / 4 Split screens view mode.



**NOTE:** On 4 Split Screens mode the “Edit” function is no available

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## 6. LAN Search



Press on the  button for search IP Cameras connected to the LAN network.

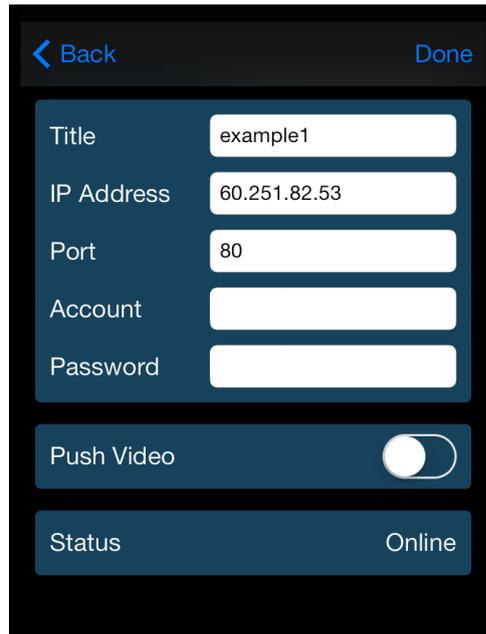


Press back with the phone or press on the  button to go back to the main screen.

Press the  button to search again in the LAN network.

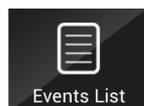
Pressing on any of the IP Cameras will open the edit interface for adding it.

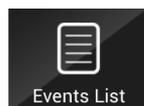
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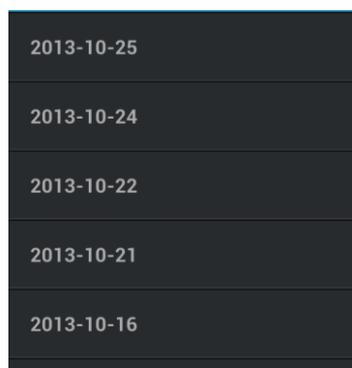


**NOTE:** For the “Search LAN” function the phone must be connect to WiFi. The function will not work under 3G.

## 7. Events List



Press on the  button for displaying the events list.

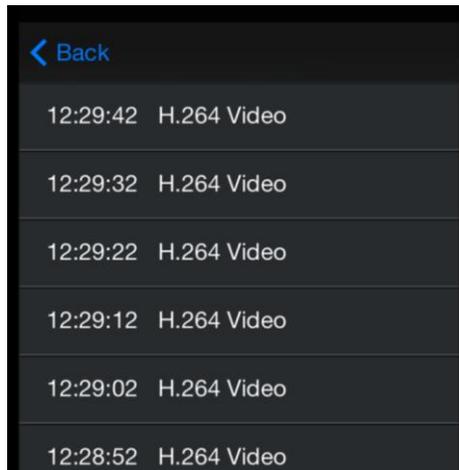
A vertical list of five dates on a dark background. The dates are: 2013-10-25, 2013-10-24, 2013-10-22, 2013-10-21, and 2013-10-16.

2013-10-25
2013-10-24
2013-10-22
2013-10-21
2013-10-16

Press back with the phone or press on the  button to go back to the main screen.

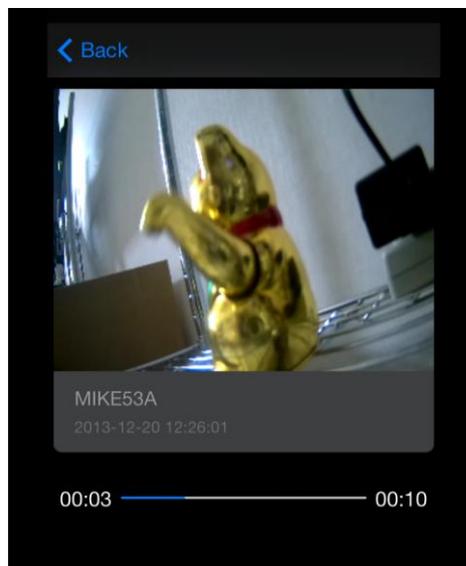
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Press on the specific date to display the event occurred on that specific date.



Press back with the phone or press on the  button to go back to previous screen.

Press on any event to see the video related with the event.



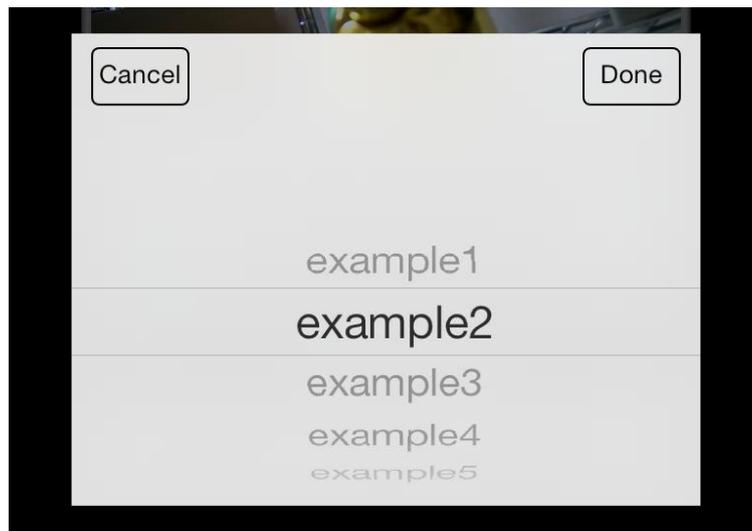
**NOTE:** The APP will store the history of all the events occurred after the installation, but it doesn't mean that all the videos can be found. If the video was already deleted from the SD card it will display an "Invalid Video" error.

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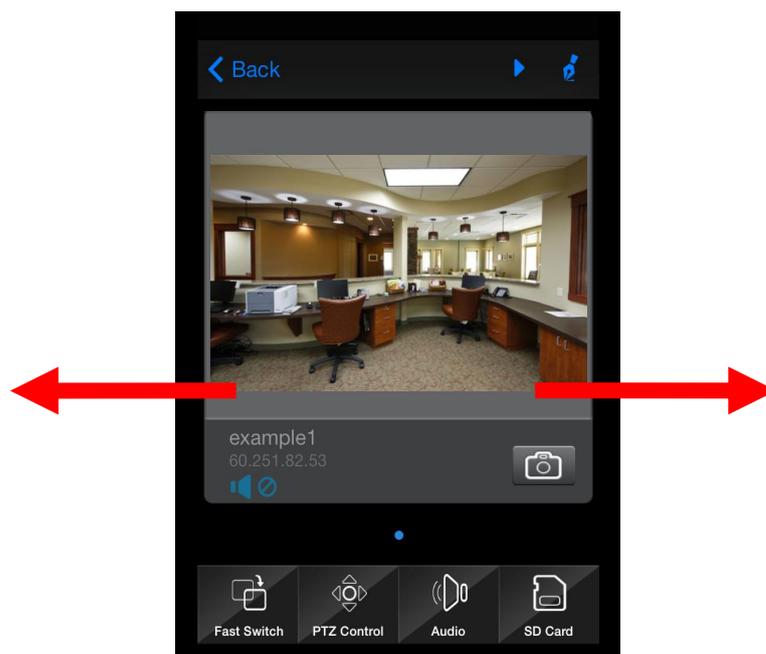
## 8. Fast Switch View



On Live View press on the  button to switch the IP Camera Live view for another one on the IP Cam list.



You can also change the view by sweeping with your finger to left-right of the view.



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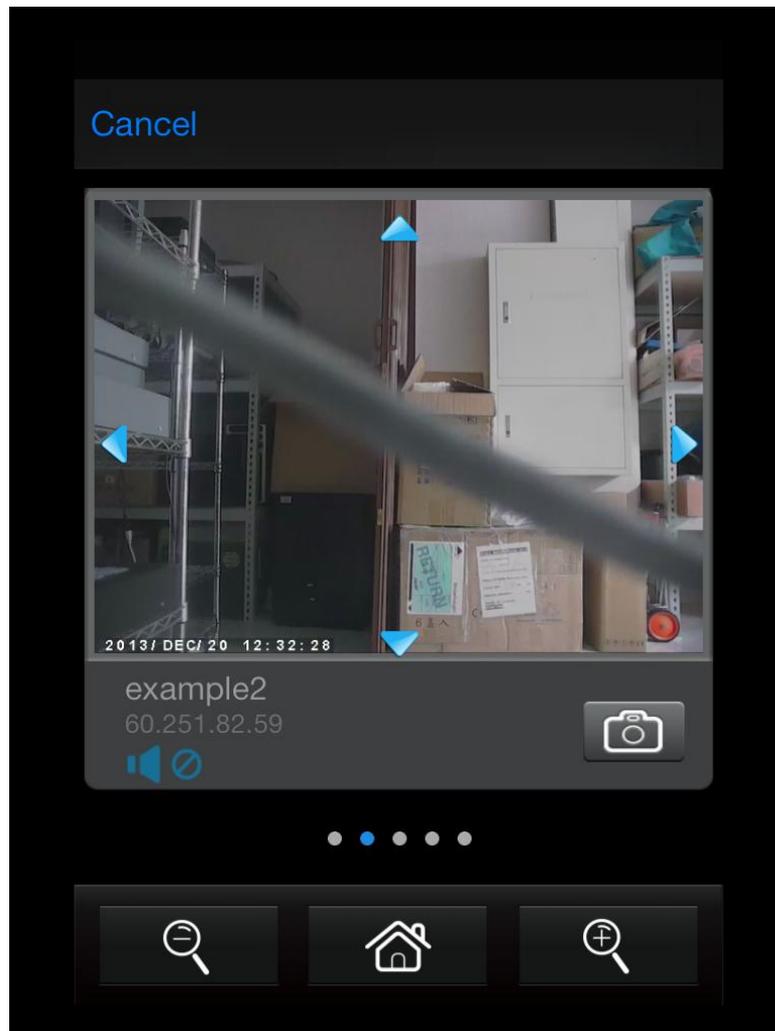
## 9. PTZ & Digital Zoom Control



On Live View, when pressing the  button two modes of PTZ control will be enabled depending of the camera type.

### a. PTZ supported

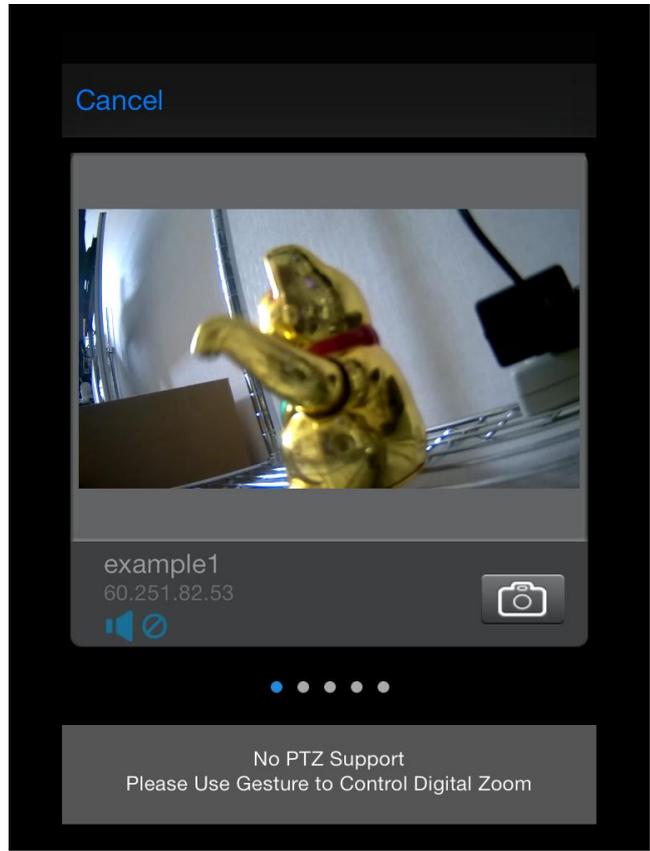
If the IP camera supports PTZ control, the following mode will be enabled.



	Close the PTZ control mode
	PTZ movement control
	Take a snapshot
	Zoom in
	Zoom out

**b. PTZ not supported**

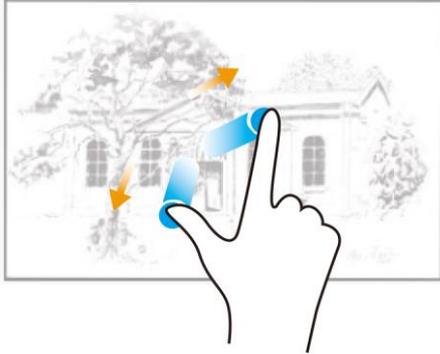
If the IP camera doesn't support PTZ control, the following mode will be enabled.



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You can pinch open / pinch close for zoom in/out the image. When performing zoom on the image you can also pan the image left, right, up, down.

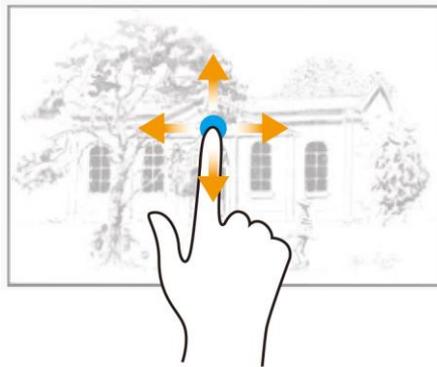
Pinch open



Pinch open



Pan

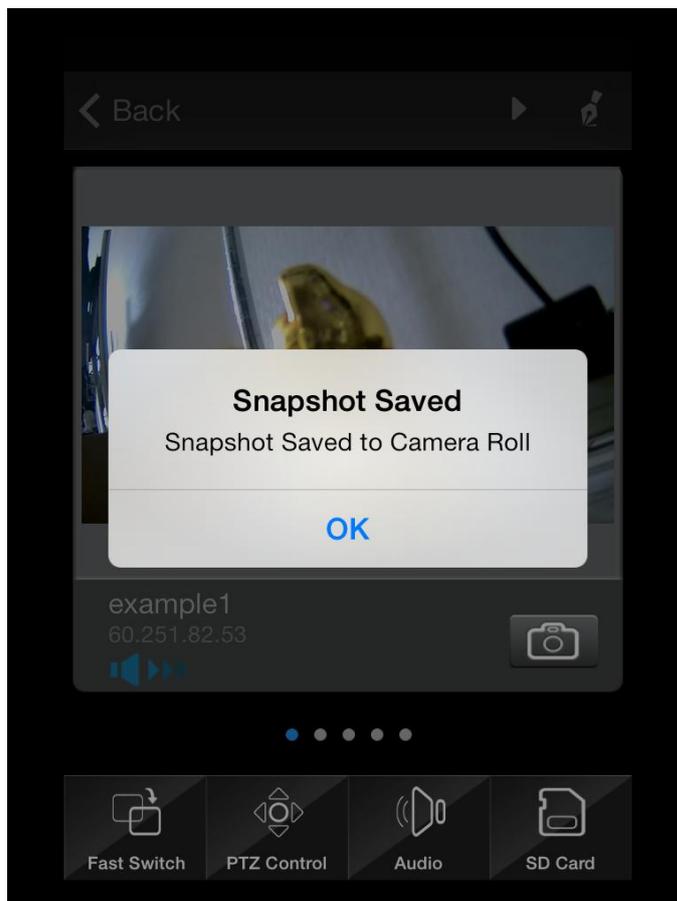


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## 10. Snapshot

On Live View and PTZ / Digital Zoom control mode you can take a snapshot by

pressing the  button. The following interface will pop out showing that the snapshot was taken.



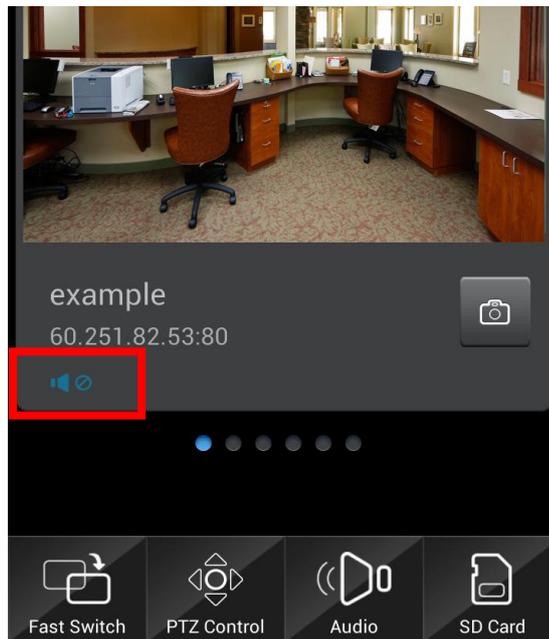
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# 11. Open / Close audio



By pressing the  button you can open / close audio from IP Camera.

The state of the audio is displayed in bottom-left corner of the image, below the IP address.



Audio closed



Audio open

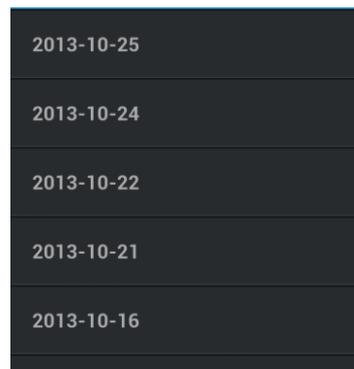
**Note:** A microphone must be connected to the IP Camera in order for listening audio.

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## 12. SD card reading

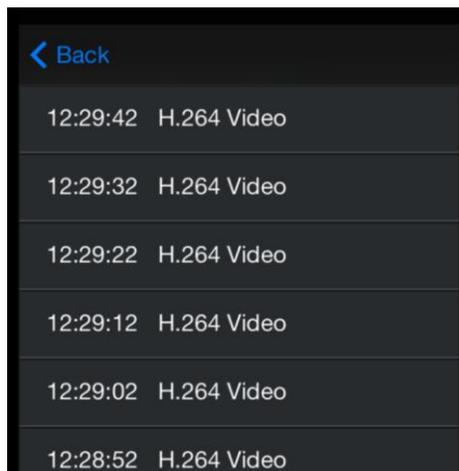


Pressing on the  button will display the content of the SD card inside the IP Camera.



Press back with the phone or press on the  button to go back to the main screen.

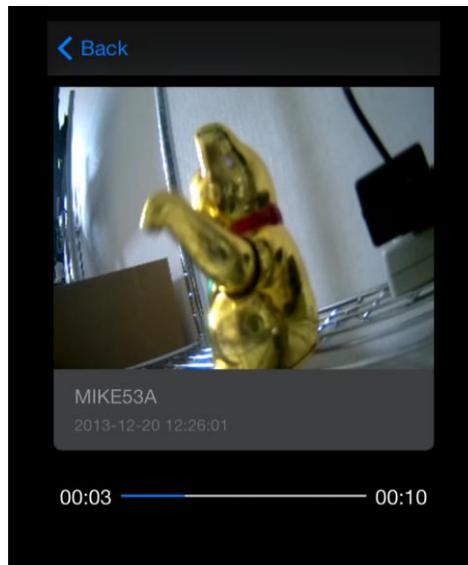
Press on the specific date to display the event occurred on that specific date.



Press back with the phone or press on the  button to go back to previous screen.

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Press on any event to see the video related with the event.



## 13. Auto Play

On Live View mode, press on the  button located at the top-right corner of the screen for the Live View mode to start switching every 15 seconds.

For stopping the “Auto Play” function, press on the “**Stop**” button.