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# User Manual

## IPmotion v. 1.0



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# Content

<b>I. PREFACE .....</b>	<b>3</b>
<b>II. FEATURES .....</b>	<b>3</b>
<b>III. INSTALLATION .....</b>	<b>4</b>
<b>IV. GUI DESCRIPTION .....</b>	<b>7</b>
1. MAIN SCREEN.....	7
2. LIVE VIEW .....	8
<b>V. OPERATIONS.....</b>	<b>9</b>
1. ADDING IP CAM .....	9
2. EDIT & DELETE IP CAM .....	12
3. PUSH VIDEO .....	16
4. IP CAM SORTING .....	21
5. VIEW MODE .....	21
6. LAN SEARCH .....	23
7. EVENTS LIST.....	25
8. FAST SWITCH VIEW .....	27
9. PTZ & DIGITAL ZOOM CONTROL.....	28
10. SNAPSHOT .....	31
11. OPEN / CLOSE AUDIO.....	32
12. SD CARD READING .....	33
13. AUTO PLAY .....	35
<b>VI. TROUBLESHOOTING.....</b>	<b>36</b>
1. INFINITE INTERFACE LOOP.....	36

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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

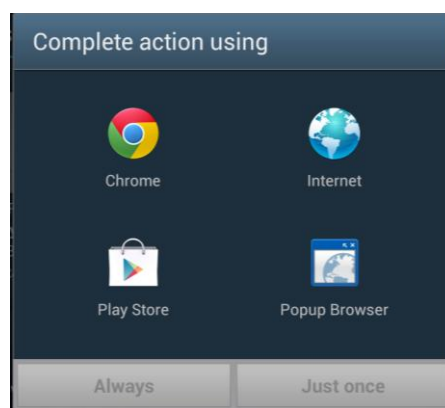
Before the Installation make sure your Android mobile can connect to the internet via WIFI or ISP (3G, 4G).

### A. Installation via QR code

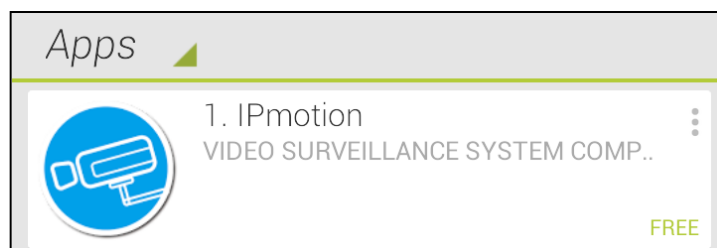
1. Scan the following QR code with your Android Phone. **NOTE: You will need a QR code scanner previously installed on your phone.**



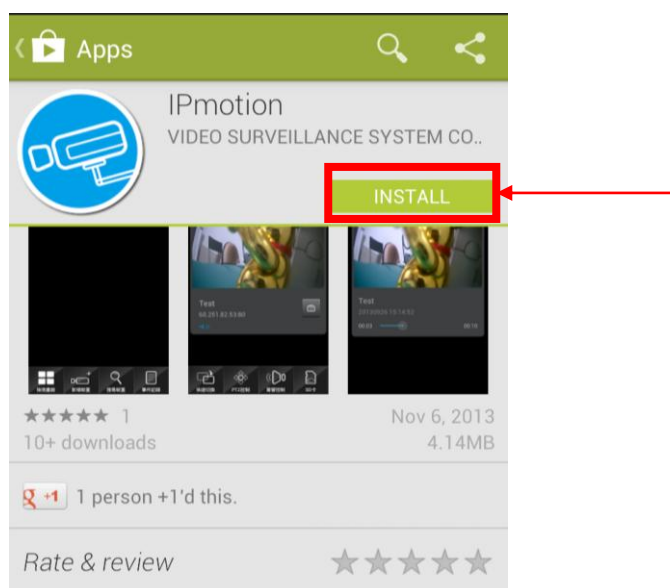
2. After scanning the code your phone might ask you for select of the following options (depending on the phone configuration):



3. Select the "Play Store" option and press on "Always" or "Just Once" depending on your preference.



4. Press on 'Install' for start the installation.

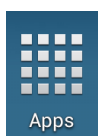


After completing the installation, the application **IPmotion** can be found within all programs.





5. Press on the IPmotion icon to run the APP.

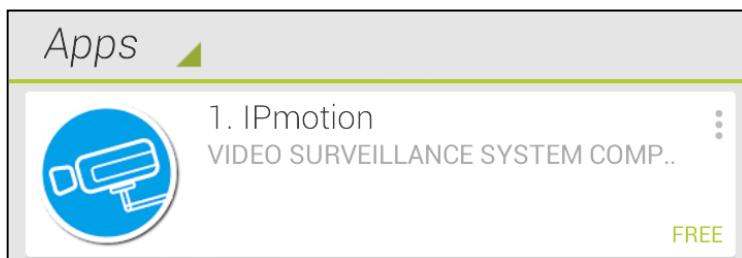
## B. Installation via Play Store



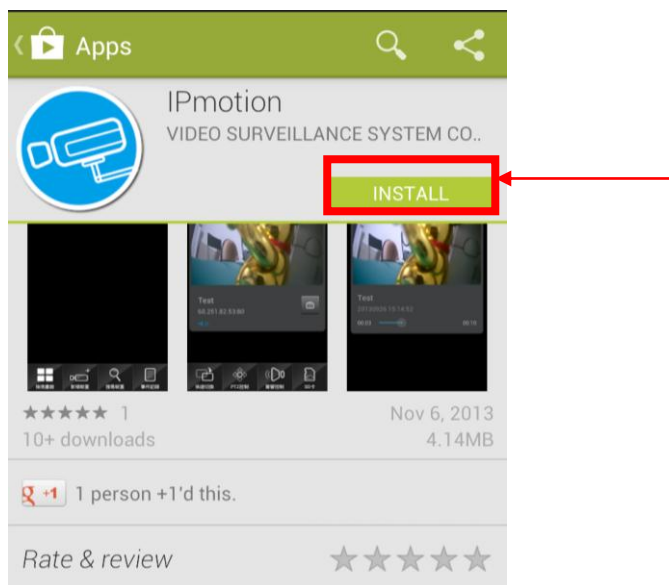
- On the main press the Apps button for displaying all the apps installed.

- 
- Find the  icon and press it.


- On “Play Store”, press the  button and type-in **IPmotion** for start the searching.



- Press on ‘Install’ for start the installation.



After completing the installation, the application **IPmotion** can be found within all programs.

- Press on the  icon to run the APP.

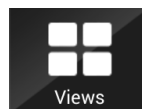
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## IV. GUI Description

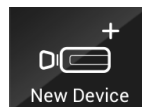
### 1. Main Screen



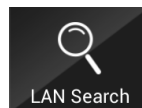
Press on the IPmotion icon to open the APP.



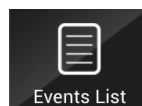
Switch between List View/ 4 Split Screens view mode.



Add a new IP Camera.



Search for a IP Camera within the LAN.



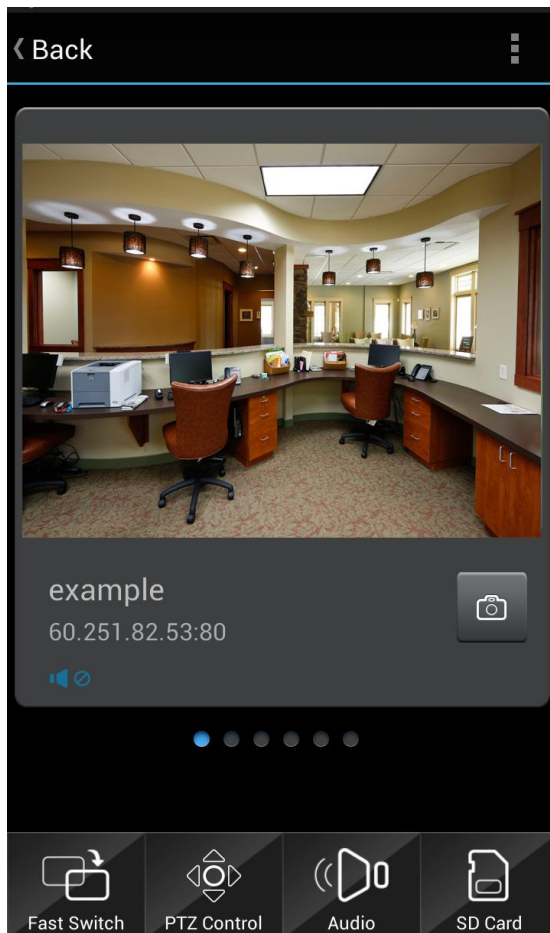
Display the Events List.



Sort the IP Cameras by Title, IP and Status

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## 2. Live View



◀ Back

Go back to main screen



Options



Take a snapshot



Fast Switch

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



PTZ Control

Enable / Disable the PTZ controls or digital zoom control



Audio

Enable / Disable audio from IP Cam



SD Card

Display the files inside the SD card.



Fast Switch



PTZ Control



Audio




SD Card

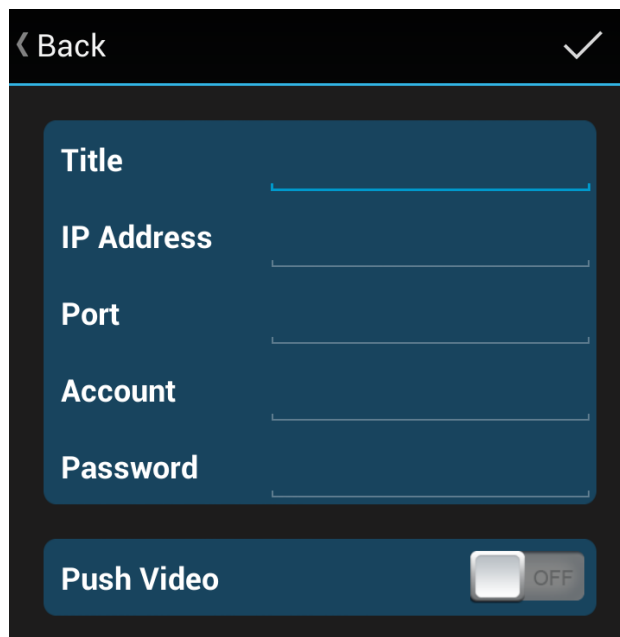


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## V. Operations

### 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 bar with a white left arrow and the text 'Back' on the left, and a white checkmark on the right. Below the header is a light blue rounded rectangle containing five input fields, each with a label on the left and a text input area on the right: 'Title', 'IP Address', 'Port', 'Account', and 'Password'. At the bottom of this rectangle is a 'Push Video' label followed by a toggle switch that is currently in the 'OFF' position.

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.

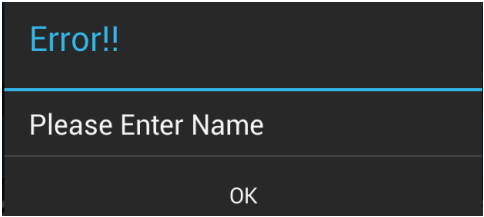
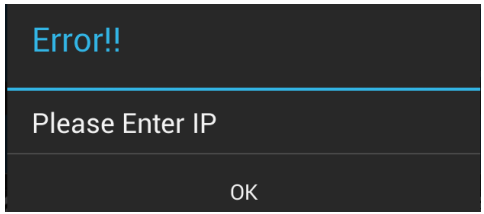
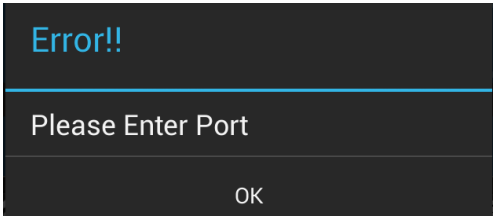
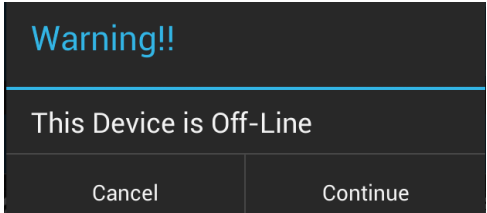
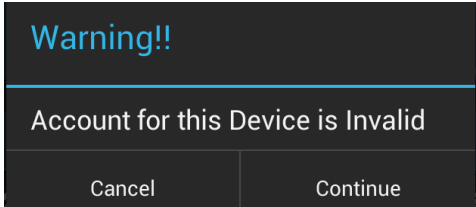
**Account:** The account name for login into the IP Camera.

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

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

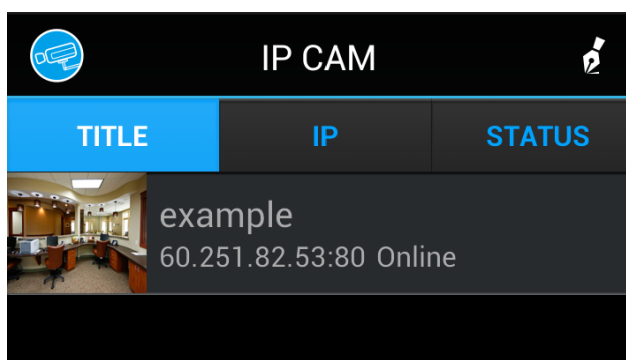
After typing-in all the information press on the  button for adding the IP Camera.

After pressing on the  button, the following messages might appear.






Situation	Message
No title provided	
No IP provided	
No Port provided	
The IP Camera is off-line	 By pressing on “Continue” the IP camera will be added displaying an off-line state
Invalid account name or password	 By pressing on “Continue” the IP camera will be added displaying an off-line state

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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:

<b>On-line</b>	 <div>example 60.251.82.53:80 Online</div> <p>Displays snapshot from current Live View</p>
<b>Off-Line</b>	 <div>example2 60.251.70.80:80 Offline</div> <p>Connection loss</p>
<b>Incorrect Account</b>	 <div>example3 60.251.82.50:80 Incorrect Account</div> <p>Incorrect account name or password</p>
<b>Not IP CAM</b>	 <div>bbbb 60.251.82.59:80 Not IPCam</div> <p>The device added is not an IP Camera</p>
<b>Connecting</b>	 <div>example2 60.251.70.80:80 Connecting...</div> <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

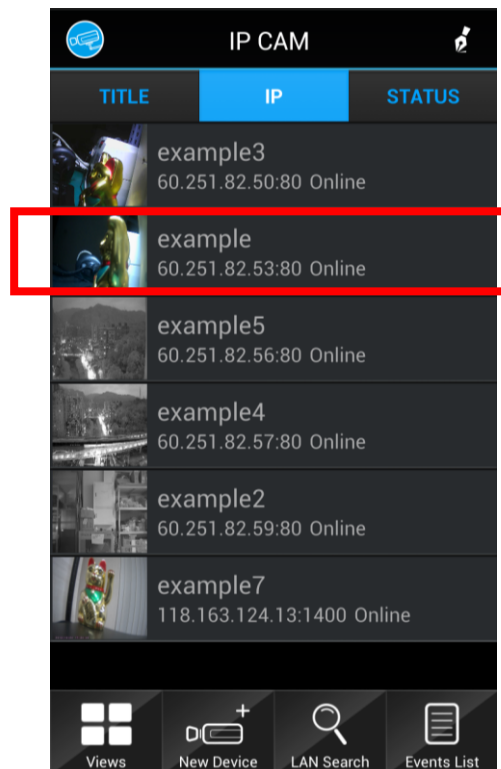
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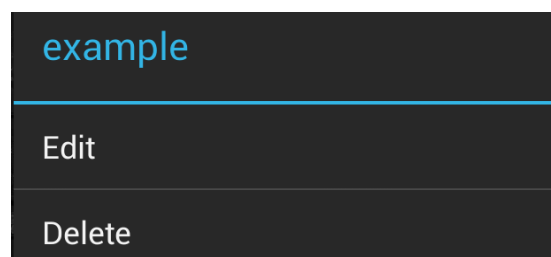
## 2. Edit & Delete IP Cam

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

### 1. On the IP Cam list



Long pressing on the specific IP Camera from the list will pop-out the following options.

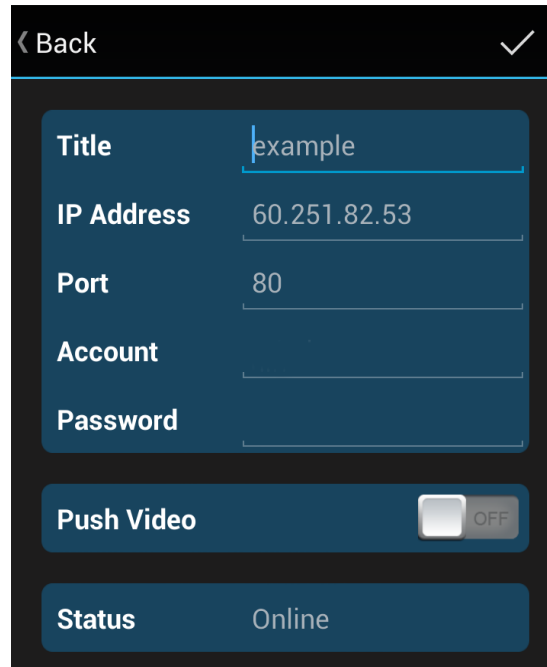



By pressing on “Delete” the IP Camera will be deleted from the list.

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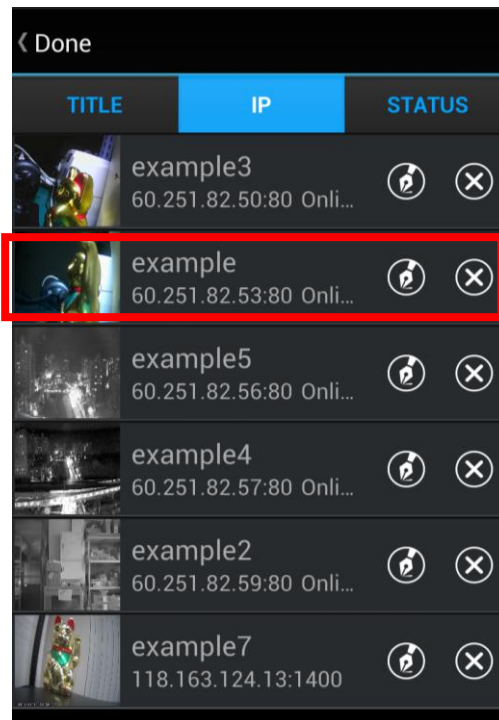
By pressing on “Edit”, you can view the Camera info and be able to change its information.


A screenshot of a mobile application interface for configuring a camera. At the top, there is a dark blue header bar with a white back arrow and the text "Back" on the left, and a white checkmark icon on the right. Below the header is a light blue rounded rectangle containing several fields. The first field is labeled "Title" and contains the text "example". The second field is labeled "IP Address" and contains the text "60.251.82.53". The third field is labeled "Port" and contains the text "80". The fourth field is labeled "Account" and is empty. The fifth field is labeled "Password" and is empty. Below these fields is a toggle switch labeled "Push Video" which is currently turned off, with the word "OFF" to its right. At the bottom of the light blue rectangle is a dark blue bar with the label "Status" and the text "Online".

After changing the IP Cam info press on the  button located in the right-top corner for applying the changes.

## 2. Editing mode


Press on the  button for enabling the editing mode.




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

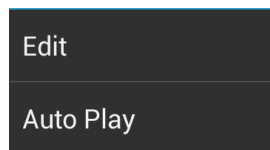
Pressing on the  button will display the Camera info for modifying its information.



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After changing the IP Cam info press on the  button located in the right-top corner for applying the changes.


## 2. Live View


Press on the  button located at the right-top 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 changing the IP Cam info press on the  button located in the right-top corner for applying the changes.

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## 3. Push Video

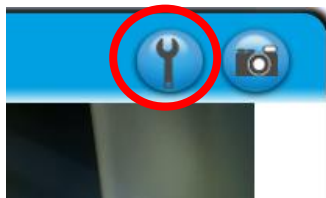
Push Video is a function triggered when the IP camera detects motion. The IP Camera will send notification together with the video event.

### 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.

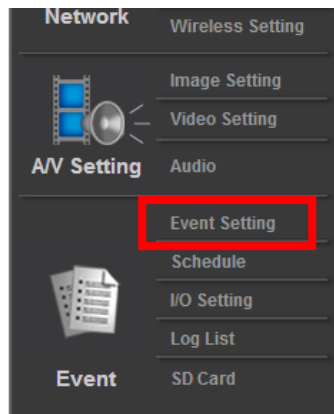
### EXAMPLE:

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



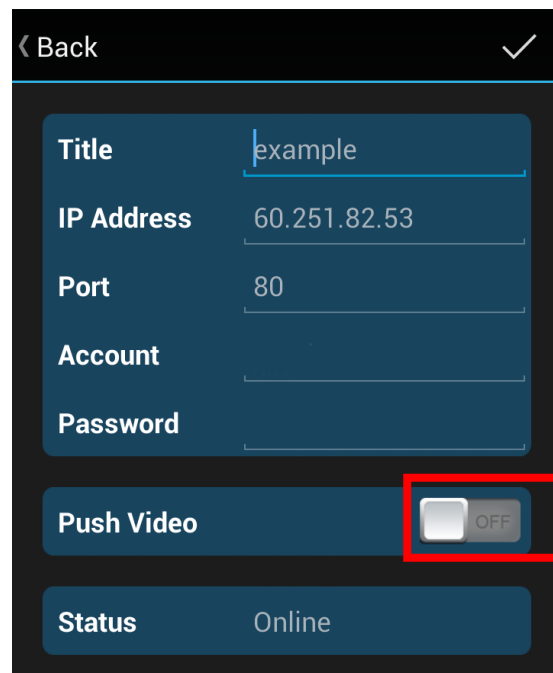
5. “Record Time Setting” set the video length for the video. This length will be same as the video received by the push notification.




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

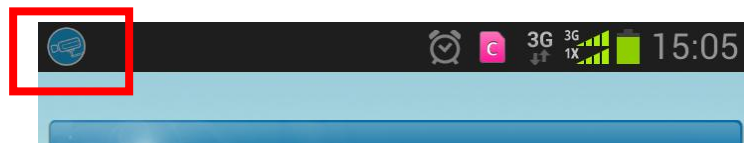
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When adding or editing an IP camera. Press on the “Push Video” button.



After adding/changing the IP Cam info press on the  button located in the right-top corner for applying the changes.

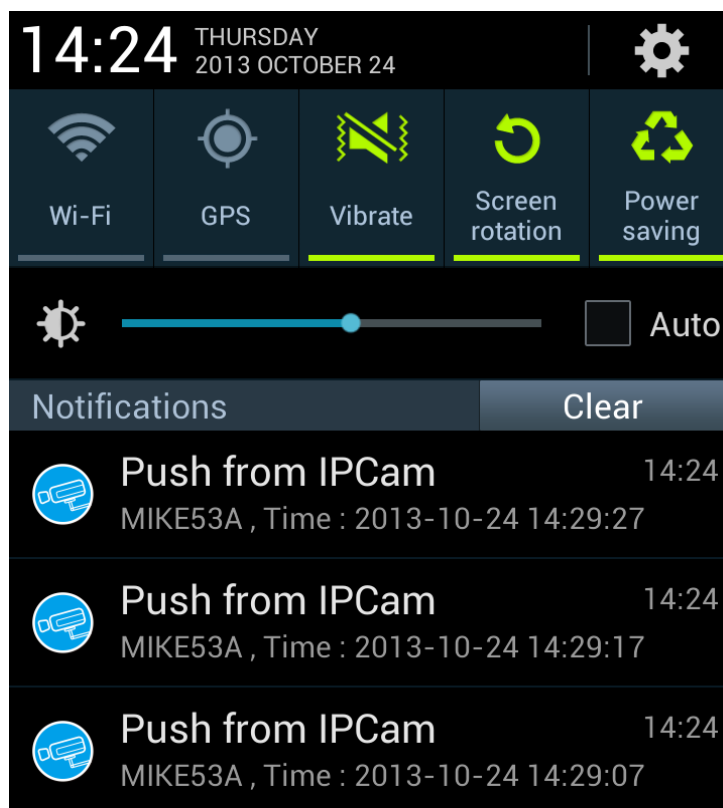
The IP Camera will start receiving notifications and soon as it detects motion.



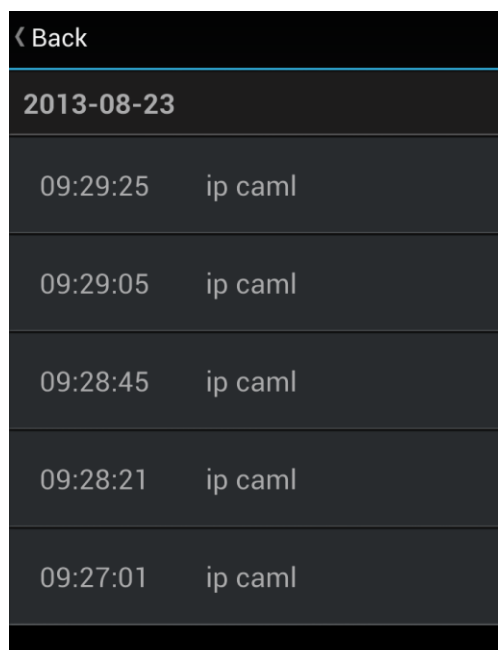
The APP can display up to 6 notifications. If there are more than 6 notifications it will display the latest 6 notifications.



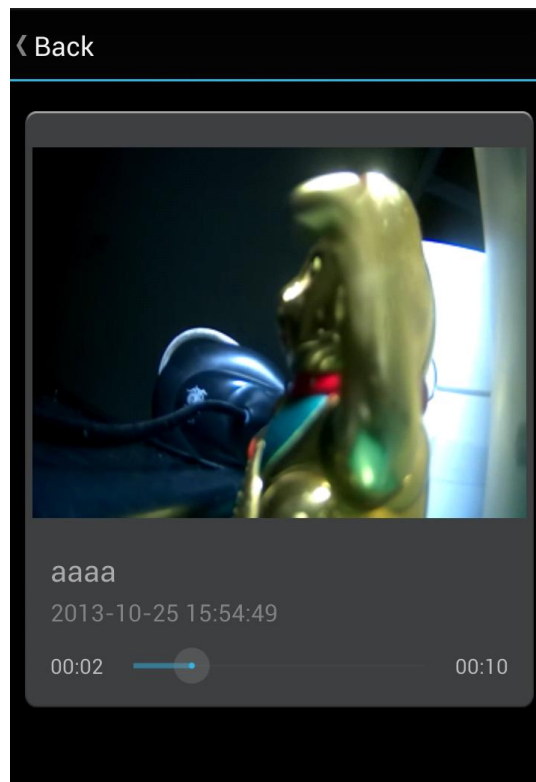
Open the notification area to see more details about the notifications.

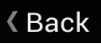


Then, press on any notification to see a list of the recent events registered on the APP, classified by date and time.

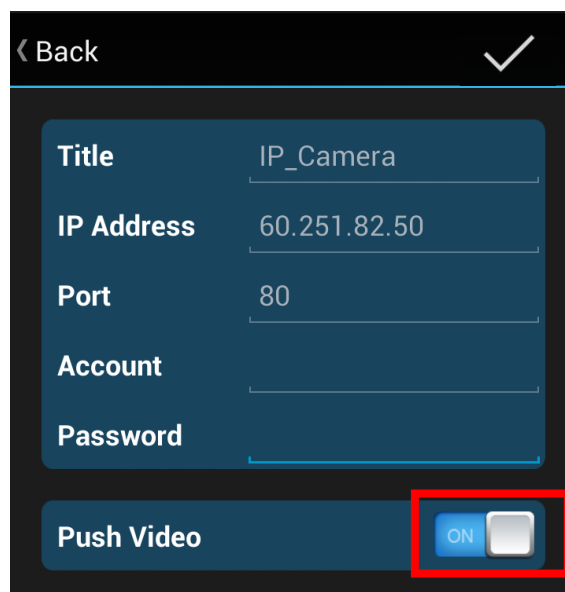


Press on any of the recent events to see the video related with the event.



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.



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## 4. IP Cam Sorting

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



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

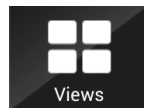
The APP is able to sort the IP Cameras in three different ways:

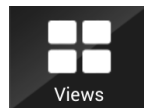
**Title:** Alphabetically ordered from A to Z.

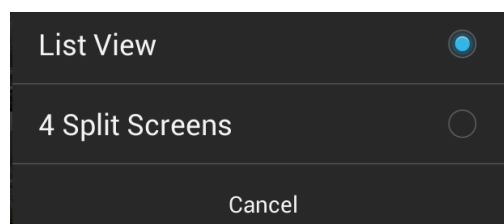
**IP:** Ordered by the IP address, from 0 to 9.

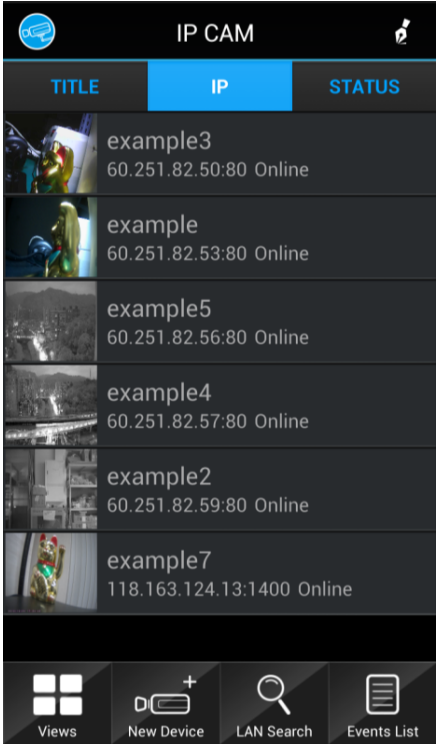
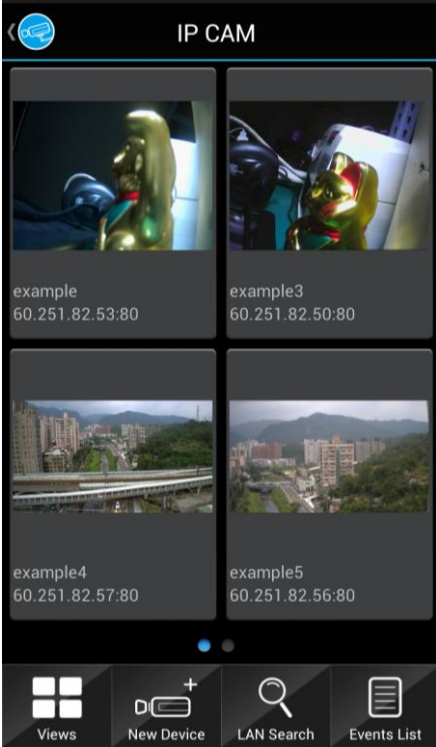
**Status:** Ordered by Status: Online, Offline, Incorrect Account

## 5. View Mode



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

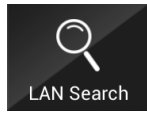


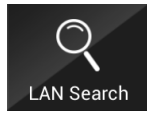
List View	4 Split Screens
	

**NOTE:** On 4 Split Screens mode the “Edit” function is not available

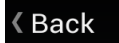
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## 6. LAN Search



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

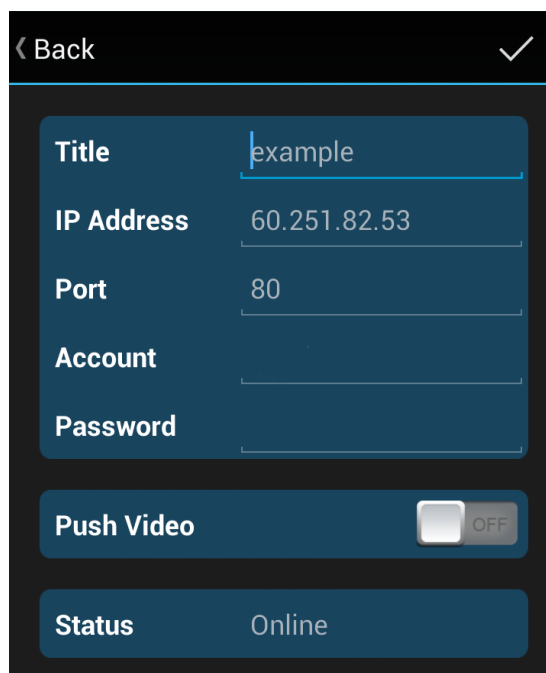
< Back		↺
S30	192.168.23.1:80	
7ACT	192.168.22.51:80	
1WCD	192.168.23.15:80	
79CT	192.168.23.62:80	
79CT	192.168.23.64:80	
IP_Camera	192.168.23.133:80	
81CD	192.168.23.33:80	
81CD	192.168.23.35:80	

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.

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



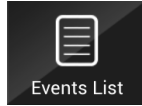
The screenshot shows a mobile application interface for editing an IP camera. At the top, there is a dark header bar with a white left arrow and the text 'Back' on the left, and a white checkmark on the right. Below the header is a form with a dark blue background. The form contains several input fields: 'Title' with the value 'example', 'IP Address' with the value '60.251.82.53', 'Port' with the value '80', 'Account' (empty), and 'Password' (empty). Below these fields is a toggle switch for 'Push Video', which is currently turned off, with the text 'OFF' to its right. At the bottom of the form is a status bar with the label 'Status' and the value 'Online'.

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



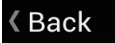
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## 7. Events List



Press on the  button for displaying the events list.

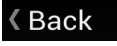
< Back	
2013-10-25	
2013-10-24	
2013-10-22	
2013-10-21	
2013-10-16	
2013-10-11	
2013-10-08	
2013-10-07	

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

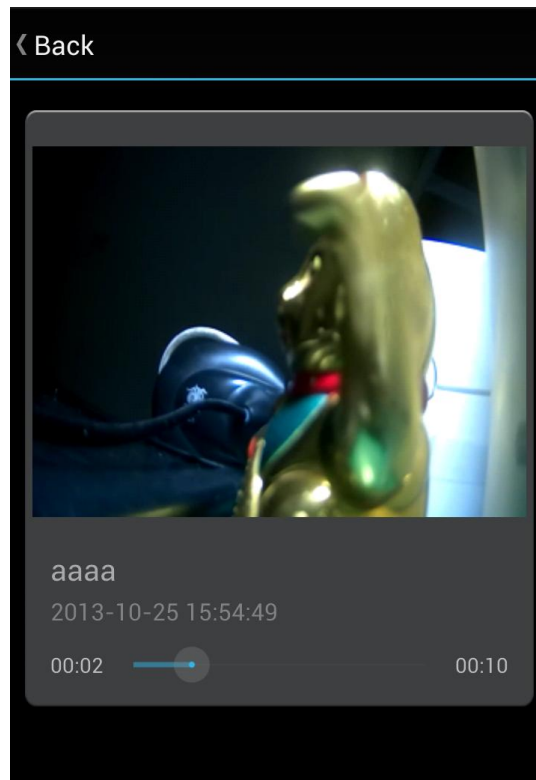
Press on the specific date to display the event occurred on that specific date.

< Back	
2013-08-23	
09:29:25	ip caml
09:29:05	ip caml
09:28:45	ip caml
09:28:21	ip caml
09:27:01	ip caml

---

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.




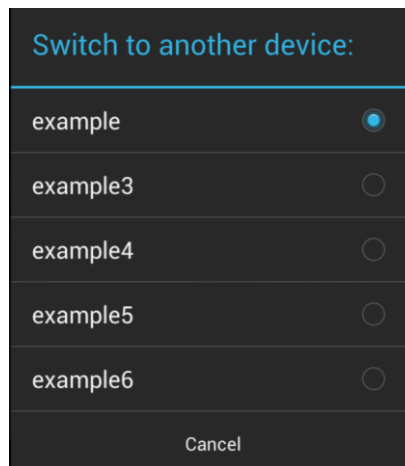
**NOTE:** The APP will store the history of all the events occurred after the installation, but it doesn't mean that all the videos can be found. If the video was already deleted from the SD card it will display an "Invalid Video" error.

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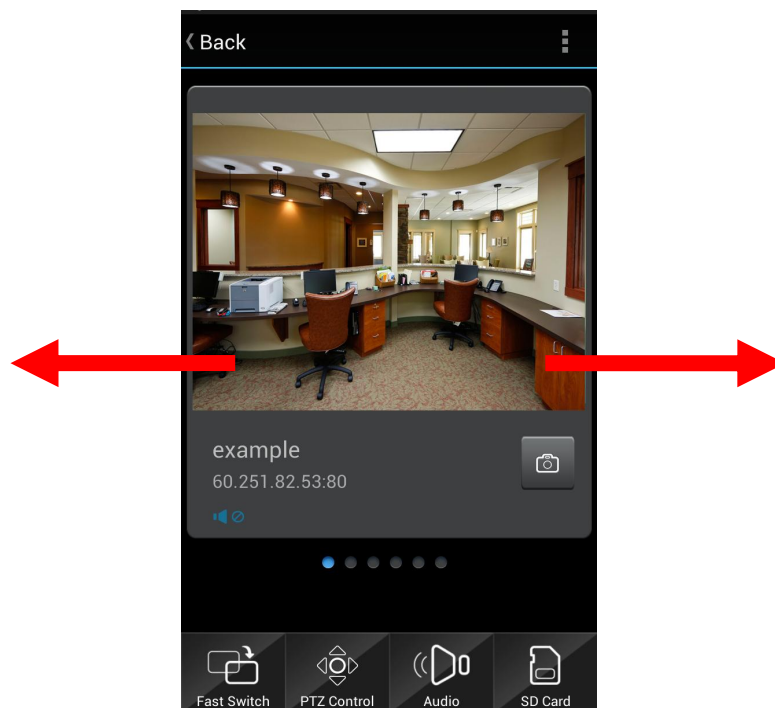
## 8. Fast Switch View



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

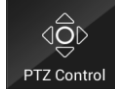


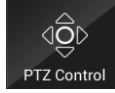
You can also change the view by sweeping with your finger to left-right of the view.



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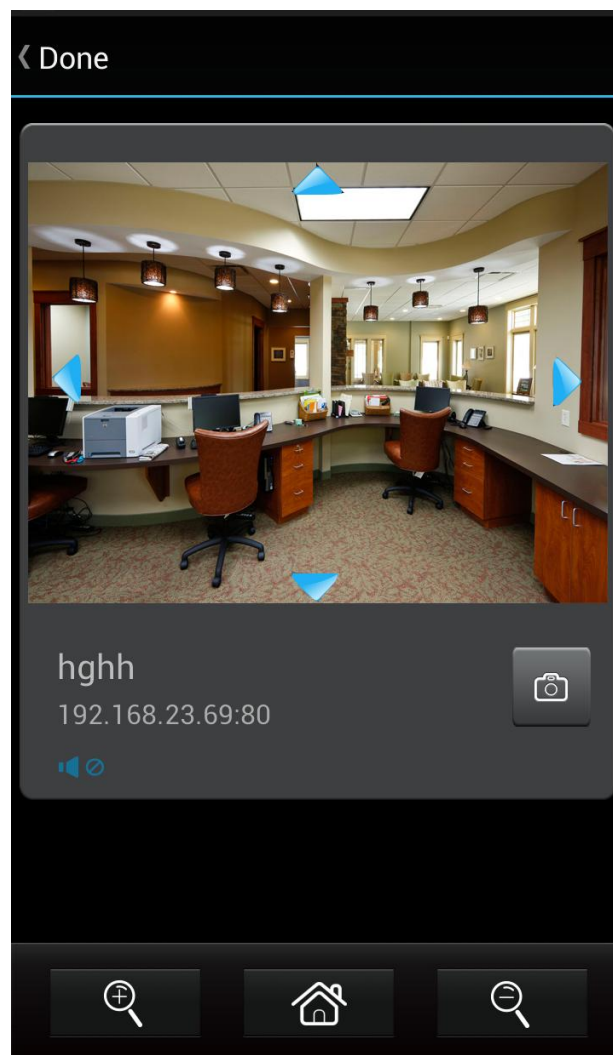
## 9. PTZ & Digital Zoom Control

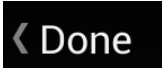






On Live View, when pressing the  button two modes of PTZ control will be enabled depending of the camera type.

### a. PTZ supported

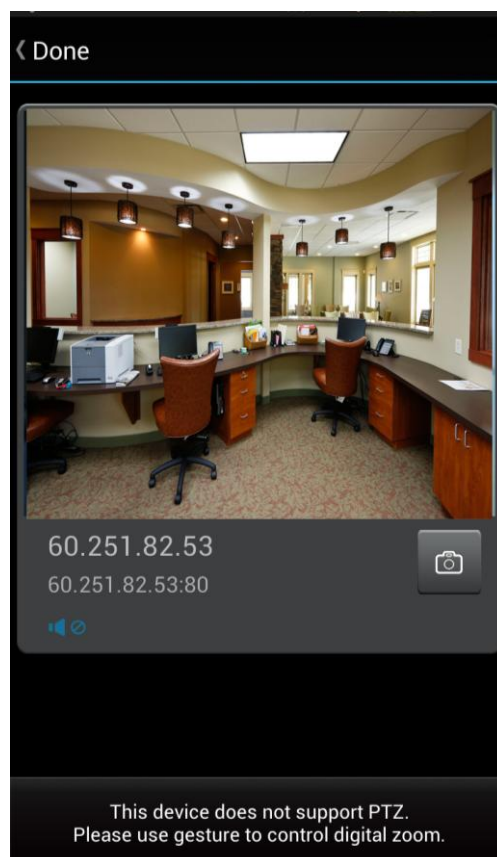
If the IP camera supports PTZ control, the following mode will be enabled.



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

#### b. PTZ not supported

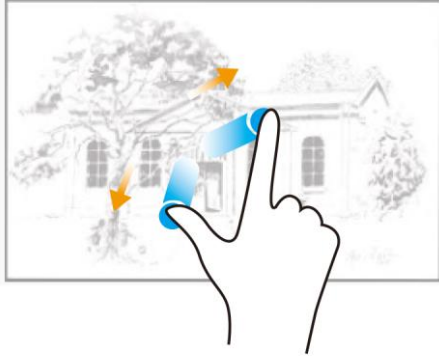
If the IP camera doesn't support PTZ control, the following mode will be enabled.



---

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.

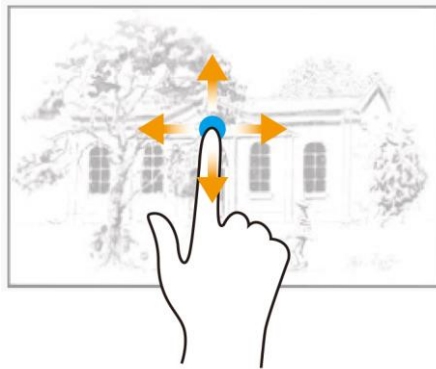
Pinch open



Pinch open



Pan



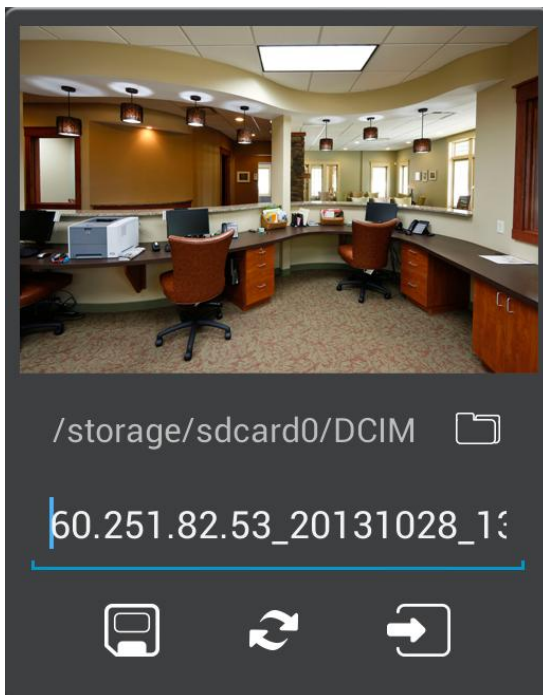
---

## 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 the snapshot taken.



Select the path where the snapshot will be stored.



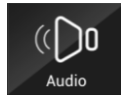
Refresh the snapshot.



Exit and close the window.

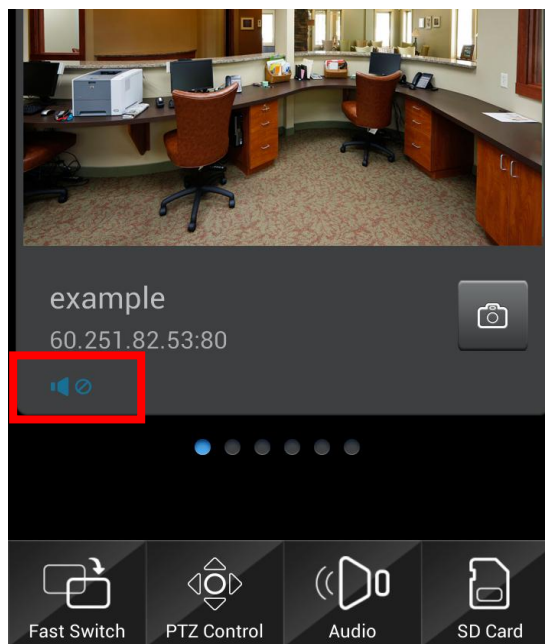
---

## 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



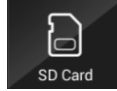
Audio open

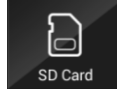
**Note:** A microphone must be connected to the IP Camera in order for listening audio.



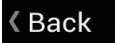
---

## 12. SD card reading



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

◀ Back
2013-10-25
2013-10-24
2013-10-22
2013-10-21
2013-10-16
2013-10-11
2013-10-08
2013-10-07

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 content on that specific date.

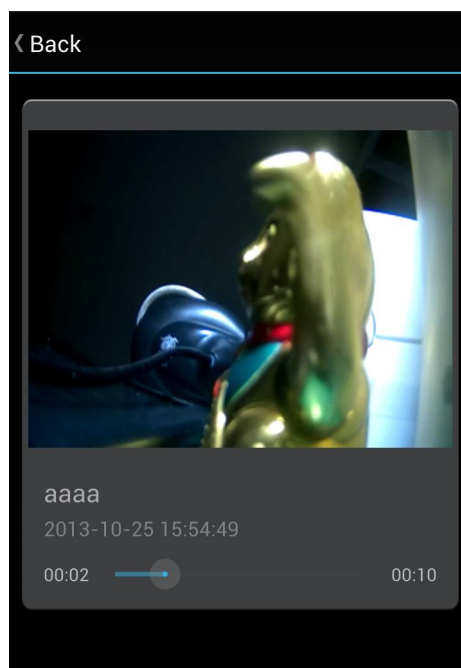
---

---

< Back	
20131028	
07:50:32	H.264 Video
07:50:42	H.264 Video
07:50:53	H.264 Video
07:51:03	H.264 Video

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

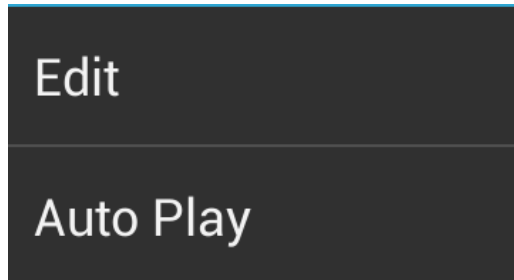
Press on any H.264 to watch the video.




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## 13. Auto Play

On Live View mode, press on the  button located at the right-top corner of the screen for showing the options. The following options will pop-out.



By pressing on “Auto Play” the Live View mode will start switching every 15 seconds.

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

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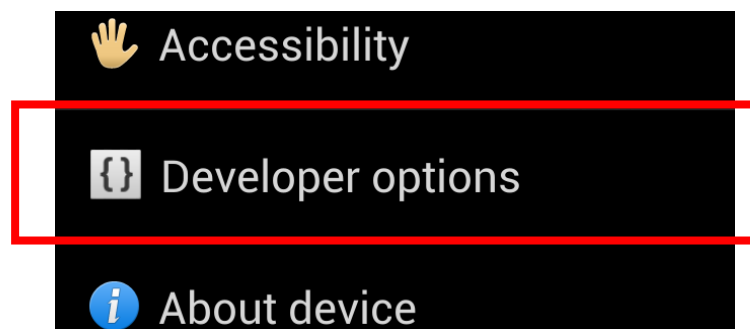
## VI. Troubleshooting

### 1. Infinite Interface Loop

**Description:** After playback a push video. The APP is not able to go back to main screen. It will stay switching between the event date list interfaces.

**Solution:**

1. On phone settings, under “System”, press on the “Developer Options” option as shown in the following picture:



2. Under “APPS”, make sure the option “Do not keep activities” is turn off

