

# Aetherlink 720p IP Camera

## GKB AC80128 Users Menul



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

V1.2.0

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## 1. First Time Using

AC7024 IP camera uses cloud platform support, just plug in the power and connect the cable (some models do not have a network cable interface, you must do the Wi-Fi configuration) without complicated network settings. First need to install the client software using the following steps.

### 1.1 Installation

#### Step1 : Download and Install APK

Once download is completed, run the installer and go through the quick setup



process to complete software installation then click to open.

#### Step2 : Input User Name and Password

Login with the provided camera ID and password (default password:111111) that are affixed on the back of the camera.

As shown in Figure 1.1.



Figure 1.1

Checking "Stay logged in" will prompt the program to automatically log in with the current information on its next startup.

When the camera is not connected to the network cable, and is the first use of Wi-Fi to connect. It needs to be initially set up a wireless connection, as shown in Figure 1.2.

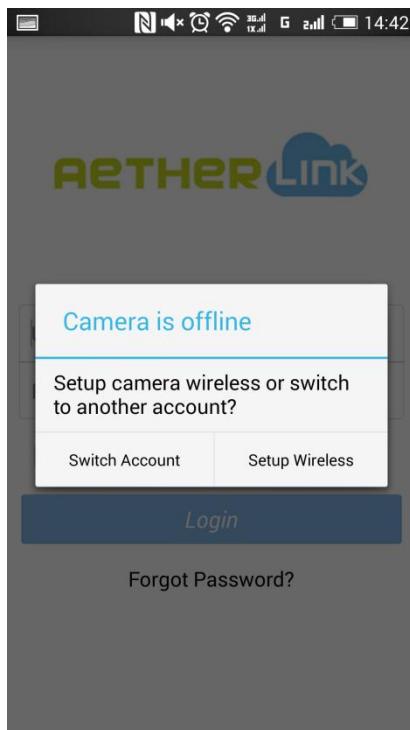


Figure 1.2

### **Step3 : Wi-Fi Configuration** (The step is unnecessary for wired connection.)

You need to set up the Wi-Fi at the first time use (or replacing Wi-Fi router). Click "Setup Wireless", the setup wizard will automatically search for nearby wireless networks. Select desired wireless SSID and input the password, click "send", the phone will broadcast an audio to the camera, it will be connected after the completion.

(Make sure audio output is enabled during wireless setup, and place the camera within 30cm to ensure a strong signal reception.). As shown in Figure 1.3.

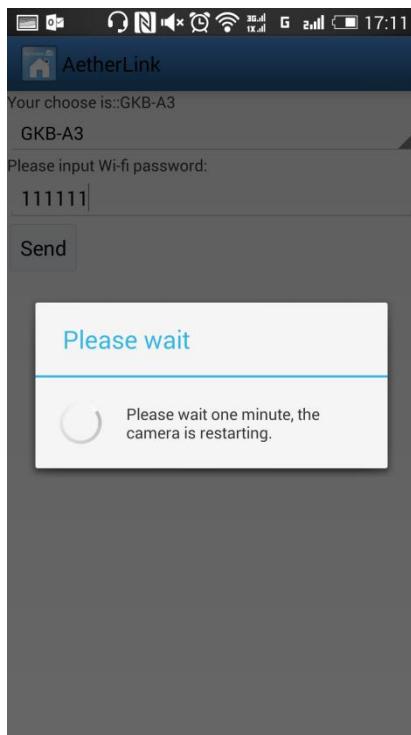


Figure 1.3

Once the transmission is finished, follow the instruction to login again.

As shown in Figure 1.4

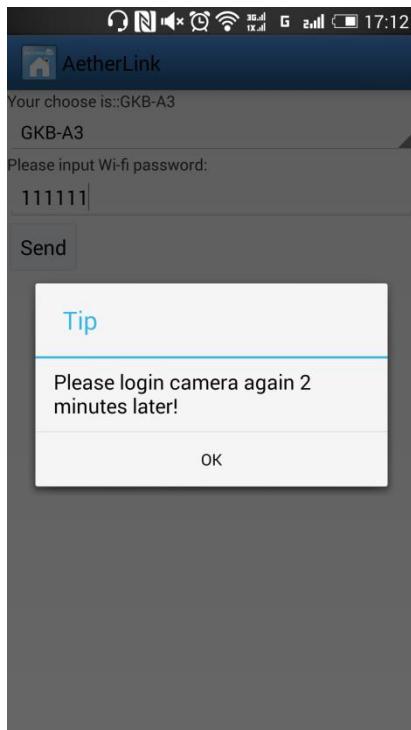


Figure 1.4

## 1.2 Forgot Password (Only be used in LAN)

“Forgot Password” is a function that allows users to recover lost password. If the camera is not located in local area network, password retrieval will result in failure, as shown in Figure 1.5.

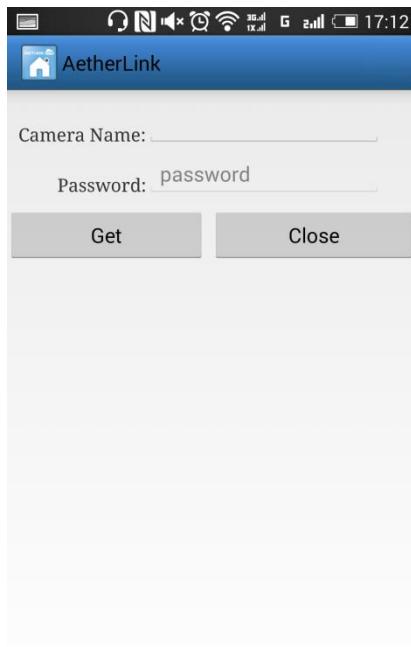


Figure 1.5

## 1.3 Real Time Video

Click “Login” will direct user to real-time video stream , as shown in Figure 1.6.

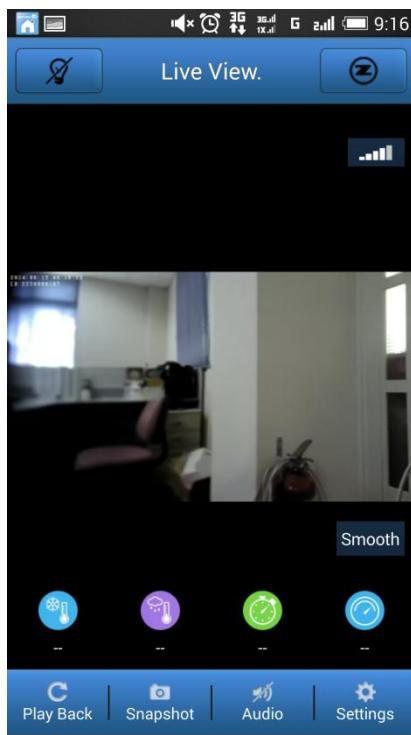


Figure 1.6

Different camera model will display different function icons in the interface. Click the icon, you can use the corresponding function.



Temperature



Humidity



Illumination



Power switch meter

## 1.4 Focus Adjustment

If the image is not clear, user can rotate the lens.

Clockwise rotation can focus further objects.

Counterclockwise rotation can focus closer objects.

## 2. Live View

### 2.1 Switch Viewing Mode

Click "Smooth" on the upper right corner, "Smooth-SD-HD" can be switched.

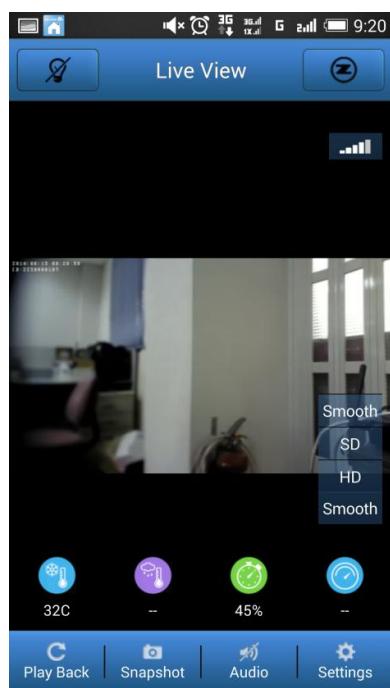


Figure 2.1

### 2.2 Playback

If SD card isn't inserted, the screen will pop-up the warning. As shown in Figure 2.2.

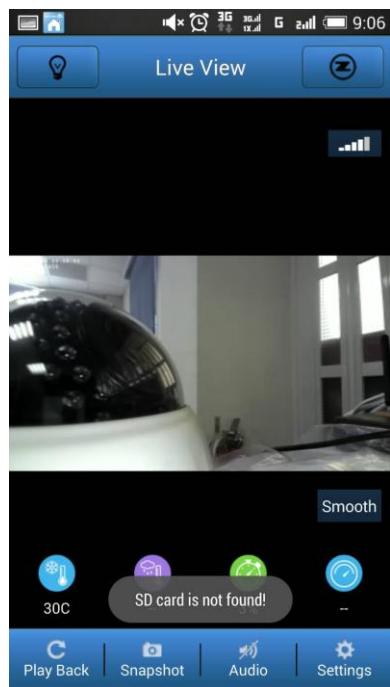


Figure 2.2

The video will be stored in the SD card. Click "Replay" to view the recording. You can drag the progress bar to select the desired playback time, as shown in Figure 2.3. It is important to unplug the power when you insert or pull out the SD card.



Figure 2.3

## 2.3 Snapshot

Click "Snapshot", user can take the current viewing image that will be saved in the mobile phone. As shown in Figure 2.4.

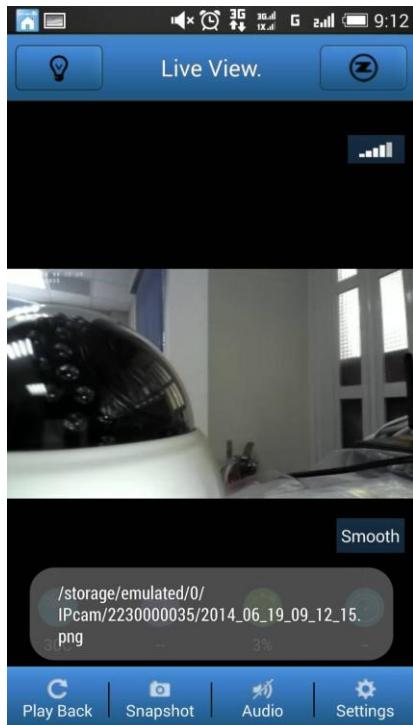


Figure 2.4

## 2.4 Audio

Click "Audio"  audio is on, you can hear the voice of microphone collection.  audio is off.

## 3. Settings

Click "Settings"  to change the settings on the camera. As shown in Figure 3.1

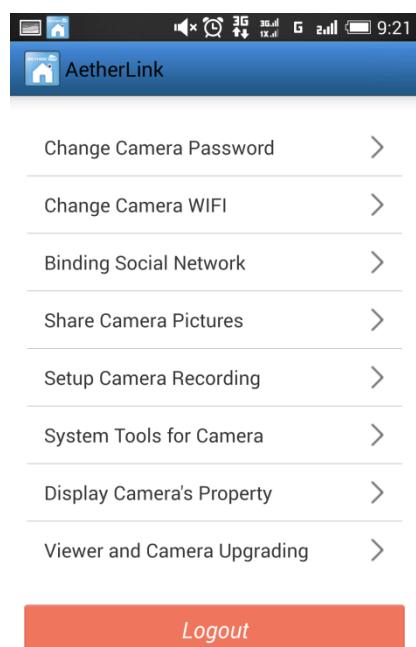


Figure 3.1

### 3.1 Change Camera Password

Users may change password any time online. When successful, it takes effective on the next attempt to log in. As shown in Figure 3.2.

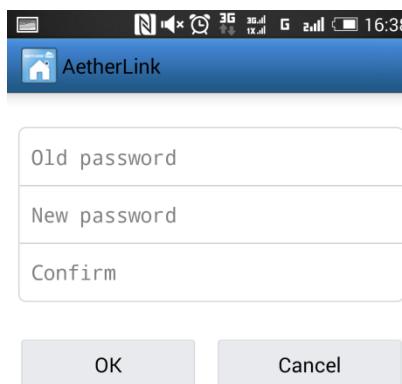


Figure 3.2

### 3.2 Change Camera Wi-Fi

In the Wi-Fi Configuration page, system will automatically obtain a list of Wi-Fi those are in range of the camera. To change an access point, select a desired SSID and input its password, then select "ok". As shown in Figure 3.3

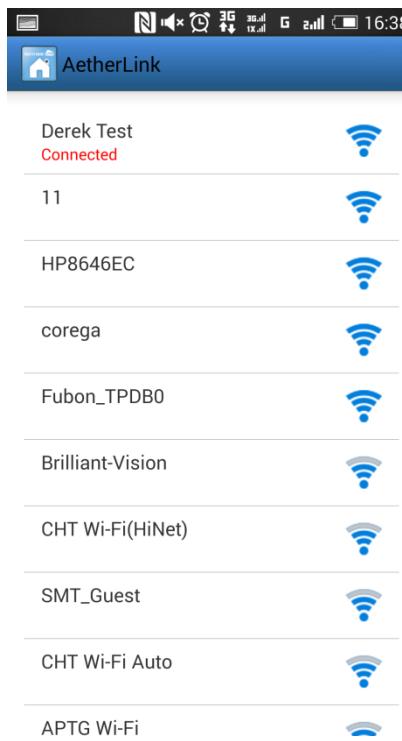


Figure 3.3

### 3.3 Binding Social Network

Instead of original ID and passwords, users can bind the Weibo account to login the camera. As shown in Figure 3.4.



Figure 3.4

### 3.4 Share Camera Pictures

Users may upload the capturing pictures to Weibo and share with friends. As shown in Figure 3.5.



Figure 3.5

### 3.5 Setup Camera Recording

The recording can be stored in SD card or Baidu SkyDrive. As shown in Figure 3.6

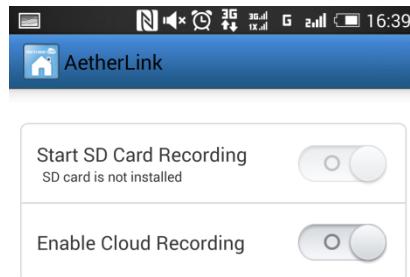


Figure 3.6

### 3.6 Setup Camera Alarming

Users can add or delete sensors.  Click the sensor name will pop up the list. As shown in Figure 3.7.

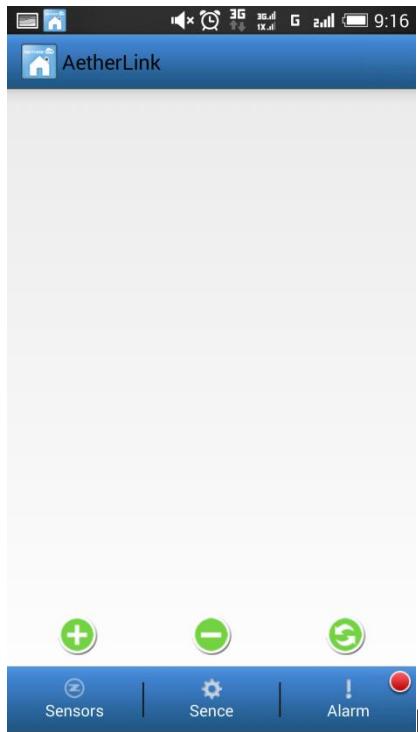


Figure 3.7

### 3.6.1 Deleting Sensor

Step1> Select required sensor name and click “Delete” ;

Step2> Push the sensor button 3 times within 3 seconds. The sensor must be in effective range of the camera (normally about 20 meters).

Step3> Wait for displaying “Success” (normally about 10 seconds)

*Note: Delete the sensor operation can be repeated many times, does not affect the subsequent operation.*

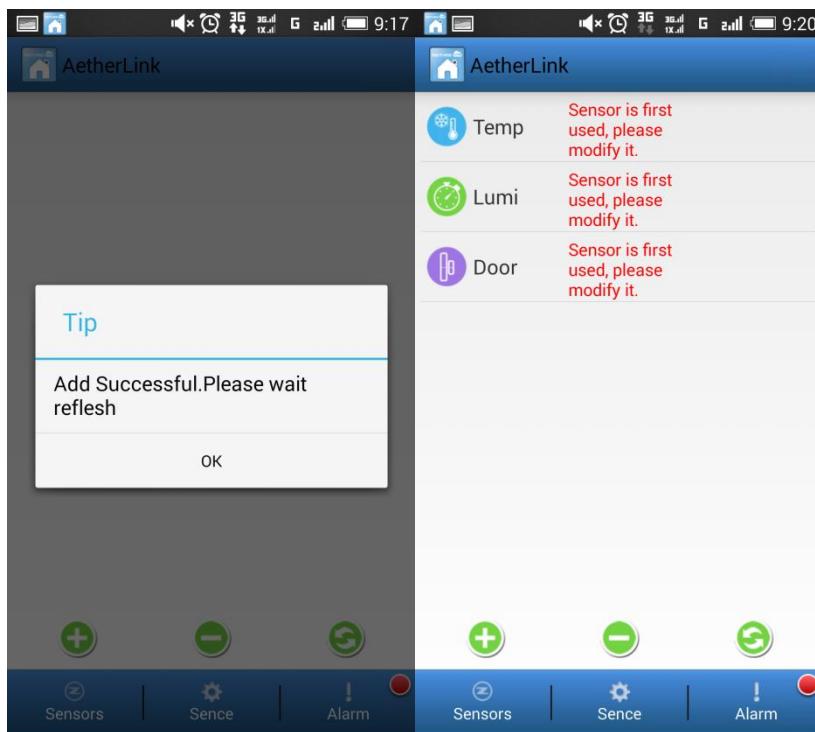
### 3.6.2 Adding Sensor

Step1> Select required sensor name and click “Add” ;

Step2> Push the sensor button 3 times within 3 seconds. The sensor must be in effective range of the camera (normally about 20 meters).

Step3> Wait for displaying “Success” (normally about 10 seconds)

*Note: It is recommended that you delete the sensor in the original camera first, then add the sensor to another camera. Sensors such as bound to the other devices can not be added again. The 3.6.1 operation can relieve the previous binding.*



### 3.6.3 Scene Settings

There are a variety of scene setting modes; at home, go out, sleep and default mode.

Click the scene that you need to set, will pop up bound sensor list.  
In each scene, select the sensors you need from the list.

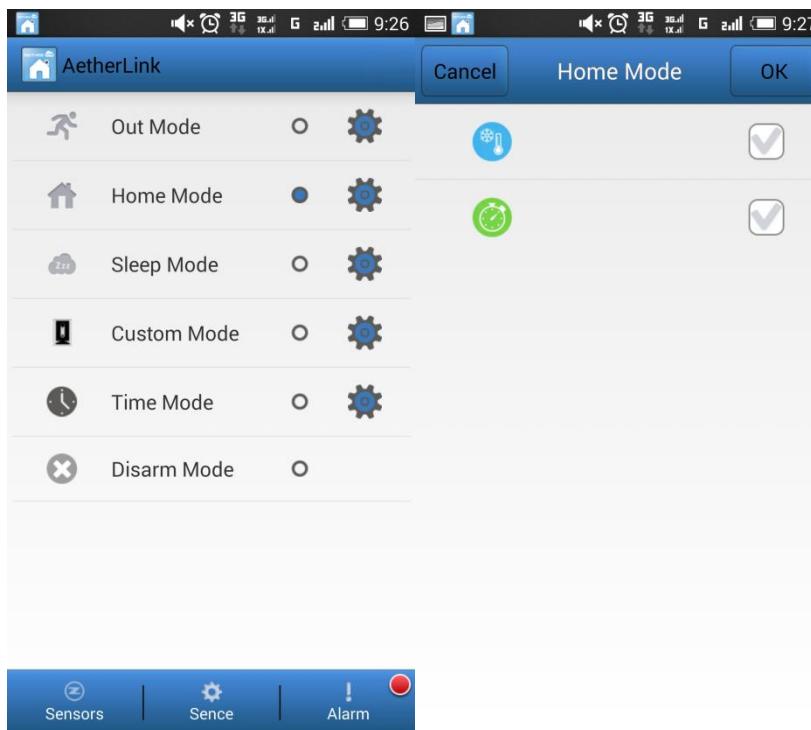


Figure 3.8

### 3.6.4 Alert Settings

Users can set the alarm time. As shown in Figure 3.9

Step1> Set working days and rest days then select time period ;

Step2> Each time period selects a scene mode. (In 3.6.3 set the required sensors).

*Note: To start the arm setting, the "default mode" is to be selected. (Reference 4.1).*

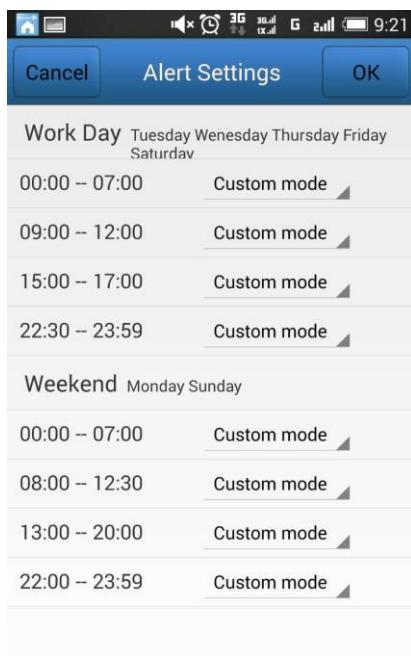


Figure 3.9

### 3.7 System Tools

**Reboot Camera** : To restart the current camera. Afterwards, users will be required to login again.

**Privacy Mode** : If privacy mode is off , the real-time viewing is normal.

When it is on , the screen will change to green.

As shown in Figure 3.11

**OSD ( Water Print )** : Set the time water print on the upper left to be on or off.

**Camera Time Sync** : To synchronize the camera system time and the mobile phone time. The camera will record the time zone and get the accurate time from the

network clock.

**Set Frequency** : Select the appropriate standard frequency 50Hz or 60 Hz, mostly it may vary by nations. To Set the wrong frequency may cause ripples on the video.

**Flip/Mirror Control** : For the camera upside down and set the screen flip.

System tools interface is as shown in Figure 3.10 / Figure 3.11

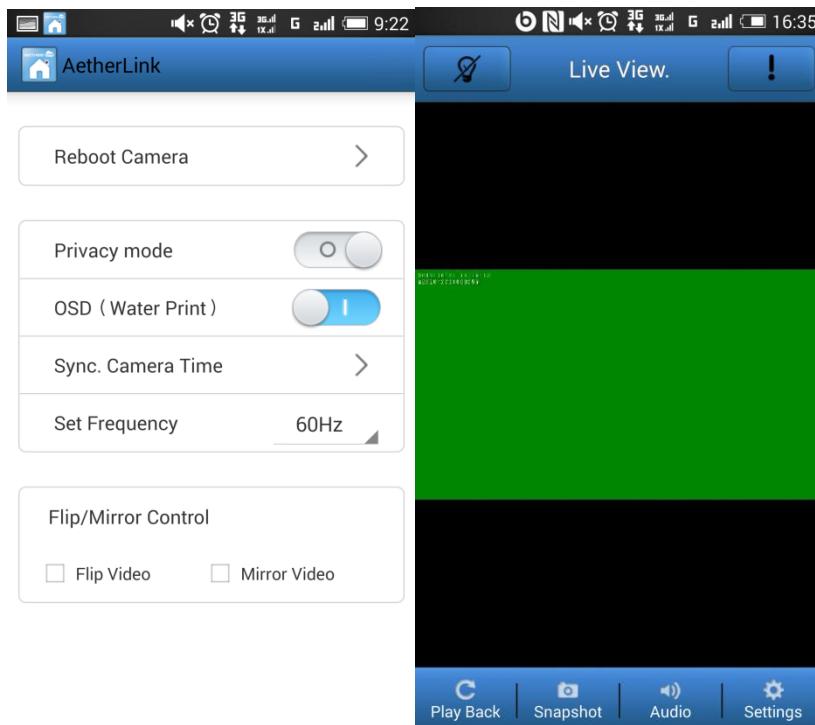


Figure 3.10

Figure 3.11

### 3.8 Display Camera's property

The interface can see the relevant information of the camera equipment. As shown in Figure 3.12



Figure 3.12

## 4 . Smart Home Control

### 4.1 Smart Home Control Interface

Touch the live view screen 1 second, the smart home control interface will pop up.

As shown in Figure 4.1

Smart home control interface can set the relevant scenes. From the installed sensors users can understand the current temperature, humidity and the other sensors' status.

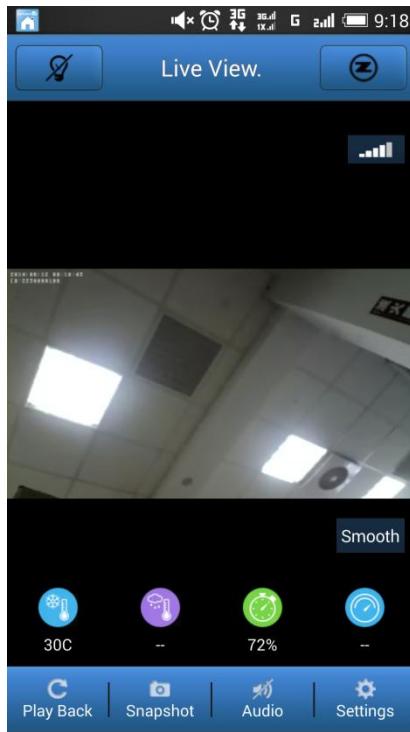


Figure 4.1

**Scene Select:** Click the set button can choose the scene you need. For example, go out, sleep...etc. Select the scene will start the default sensors (to be bound in alarm setting interface), the number of alarm events will be displayed in the alarm icon.

*Note : "Default Mode" will start the alarm time of the "Arm Setting". ( Reference3.6.4 )*

**Light:** Click the set button will pop up the list of the lights. No matter what is set in the scene mode, users can manually control all the switches.

**Control:** Click the set button will pop up the list of control type sensors, such as curtain, gas valve...etc. No matter what is set in the scene mode, users can manually control all the sensors.

## 4.2 Checking Alarm Events

Click on the  you can view the pictures captured by camera when the alarm is issued. As shown in Figure 4.2.

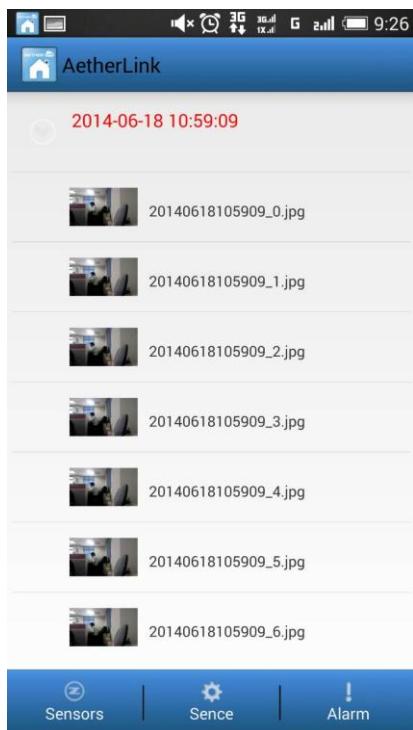


Figure 4.2

Each alarm event will capture 10 images, 5 seconds before and 4 seconds after. They are stored in the cloud server, system will automatically download to the mobile phone when viewing.

Alarm events are recorded in the cloud server, each camera can save 100 events. The system will automatically download to the mobile phone when viewing.

*Note: When the alarm occurs, the camera must be on line. If the camera is not on line or has network problems, the alarm information will not be stored in the cloud server.*

## Q & A

**Q1:** Can we use USB power supply of computer, laptop or mobile phone?

**A1:** Camera needs a 5VDC/2A power supply; it will affect the normal work of the camera. It is not recommended to access these power supplies.

**Q2:** Forgot password?

**A2:** The camera can retrieve password, but for the safety reason, must be operated in LAN. Please refer to the previous description, input camera ID to obtain the password. To avoid theft, please change your password frequently.

**Q3:** How to deal with disconnecting or abnormal network?

**A3:** Both camera and user must obtain the certification of cloud system to use. Please check if the Wi-Fi signal the camera received is strong enough and the wireless router's network connection is normal. If the network upload bandwidth is

less than 5Kbit, may also be prompted to the abnormal network.

Q4: How far is the effective distance of camera Wi-Fi?

A4: Camera with built-in standard Wi-Fi 802.11g/n module. But because of small volume, the Wi-Fi effective distance is shorter than the mobile phone's. Walls and other obstacle will affect the use of distance in general household. A simple test method, using a mobile phone to connect to the Wi-Fi, if the signal strength is above 60%, it should be in usable range. We recommend installing the camera near the router to ensure the image smooth and not lost frames.

Q5: How long SD Card can record? How much capacity can support? If it can be hot swap?

A5: The camera can support 32GB micro SD card, using FAT32 format. Micro SD card can not be hot swap, should unplug the power first. Micro SD card will loop video, daily using about 6GB capacity, 32GB can save and last 7 days. Users can start or stop recording in the setting of interface.

Q6: How far is the effective distance of white LED light?

A6: Camera model AB210/230 comes with white LED light, it only for temporary subsidies light at night. Due to the limitation of current is less than 100MA, the effective distance is less than 5 meters.

*Avoid damaging the eyesight; the LED light should not beam to people's eyes.*

## 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。  
前項合法通信，指依電信法規定作業之無線電通信。  
低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

**Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

**IMPORTANT NOTE:****FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.