

IP116 Plus HD WiFi Camera

Instruction Manual

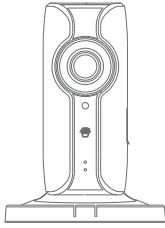
Introduction

Thank you for choosing the IP116 Plus HD WiFi Camera. We understand that whenever we purchase something new, we want to enjoy it as soon as possible. While it seems that the methodical approach takes longer, it in fact will speed up the process as you will only need to do it once! Please take the time to unpack and familiarize yourself with the included parts and this owner's manual to learn the easy steps required to start enjoying your IP116 Plus HD WiFi Camera in less time than it takes to boil water. There are some parts of the installation must be completed in the EXACT order shown to ensure successful installation.

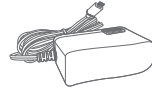
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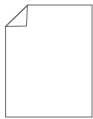
1. What's Inside



WiFi Camera×1



AC Adapter×1



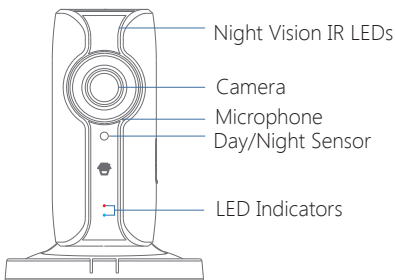
Quick guide×1



Reset Pin×1

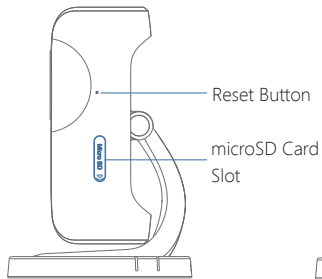
2. IP116 Plus HD WiFi Camera Overview

Front View

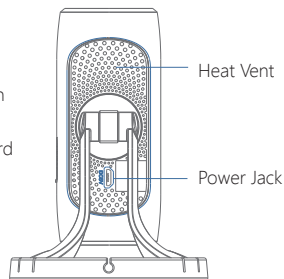


Enter WiFi Pairing State	Red LED Indicator	Blinks Once Per Second
Realtime View	Red LED Indicator	Blinks Every 2 Seconds
Searching Network	Blue LED Indicator	Blinking
Network Connected	Blue LED Indicator	Solid
Privacy Mode	Red & Blue LED Indicator	Solid

Side View



Back View



microSD™ Card (Not included)

Support up to 32GB microSD™ card; Do Not insert the card after the camera is powered on.

This camera automatically records and saves videos if a microSD™ card has been inserted; the videos recorded at the earliest will be replaced with the latest ones when the microSD™ card reaches full capacity.

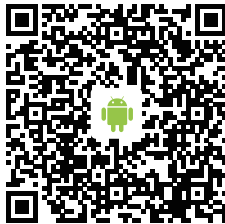
Note: Please format your microSD™ card before inserting it into this slot if any file has previously been written to the card.

3. Getting Started

3.1 Download the "IP116 Plus" App

Download the App by searching "IP116 Plus Camera" from App Store or Google Play.

If you have also purchased a Chuango alarm system which supports the IP116 Plus in the APP, you can also setup your camera through the alarm's app.



3.2 Sign Up/In

If you have not registered an account with Chuango, please press "Sign Up" just below the "Sign In" icon on the App, and follow the instructions to create your account first.

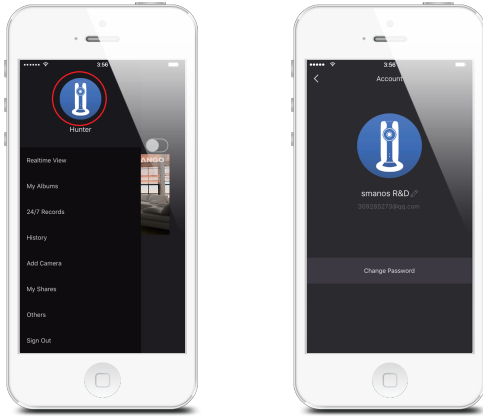
If you do not receive an account verification code in your email inbox during the registration process, please remember to check your spam/junk folder and make sure the notice has not been blocked by your service provider.

Once you have an account with us, please select the "Sign In" icon and enter your email address and password to log in.

4. App Control and Settings

4.1 Menu Page

Edit Account



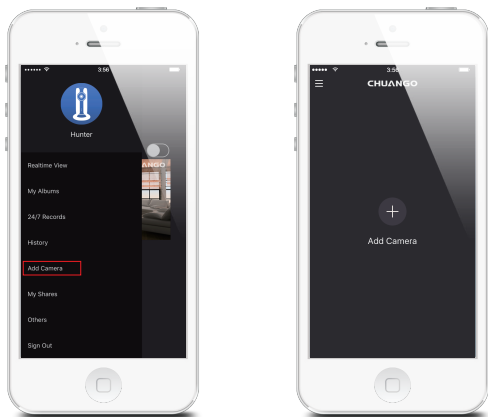
Tap on the picture, and you can add or replace your account image by taking a picture or choosing a picture from your phone's album.

If you want to change your account name, just tap on the [✎] button and enter a new name.

Changing your password can be done on this page.

Add Camera

You can enter add camera interface by tapping “+” or choosing [Add Camera] from menu page.



1. Waiting for the IP116 Plus HD WiFi Camera to Boot Up:

Plug the power adapter into a wall socket and the camera will boot up after a few seconds.

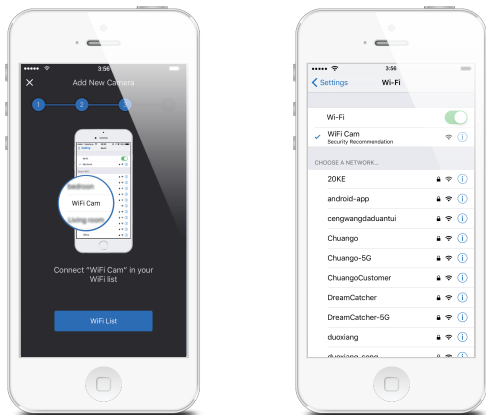
2. Putting the IP116 Plus HD WiFi Camera into WiFi Configuration Mode:

Using the Reset Pin, press the Reset Button on the side for 3 seconds; you will hear a beep and see the red light start to blink once per second which indicates that the camera is in the WiFi configuration mode.



3. Connecting the IP116 Plus HD WiFi Camera to Your Smartphone:

Leave the IP116 Plus APP and go to your smartphone's WiFi list, and then select "WiFi Cam" to connect to the camera. Now, your smartphone is the control center of your IP116 Plus HD WiFi Camera.



4. Entering WiFi Details for Your IP116 Plus HD WiFi Camera

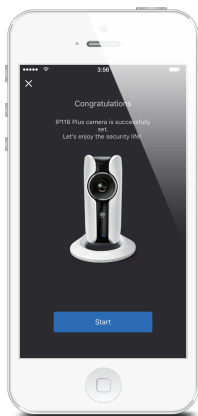
Go back to your IP116 Plus APP and pick up where you left off prior to going to your WiFi Settings. Select the **2.4GHz** WiFi network from the choices listed and enter the WiFi network's password. The IP116 Plus HD WiFi Camera will connect to the selected WiFi network. This pairing process should take about one minute.



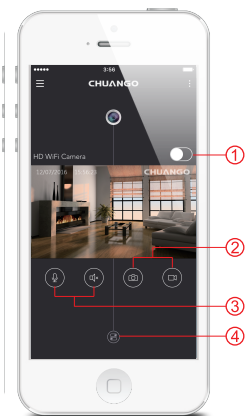
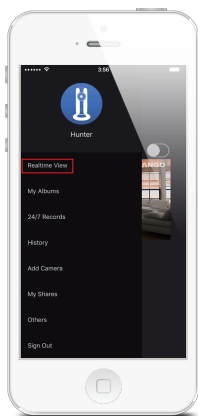
Note: ONLY 2.4GHz WiFi is supported.

5. Enjoying the P116 Plus HD WiFi Camera

When a successful connection is established, the App will show “congratulations” and the indicator will become solid blue.



Realtime View



Ⓞ Privacy Mode

The IP116 Plus HD WiFi Camera respects your privacy. When the Privacy Mode is turned on, all users' real-time video will be a black background and not recorded into the microSD™ card. Only the master account has the right to use the privacy mode.

② Snapshot (left) / Video Recording (right)

Real-time screenshots and video clips can be recorded directly onto your phone. Tap on "My Albums" to view them.

③ Microphone (left) / Listen in (right)

Press and hold the Microphone Button to talk and release the button when you finish. Anyone in the vicinity of your HD WiFi camera will hear you.

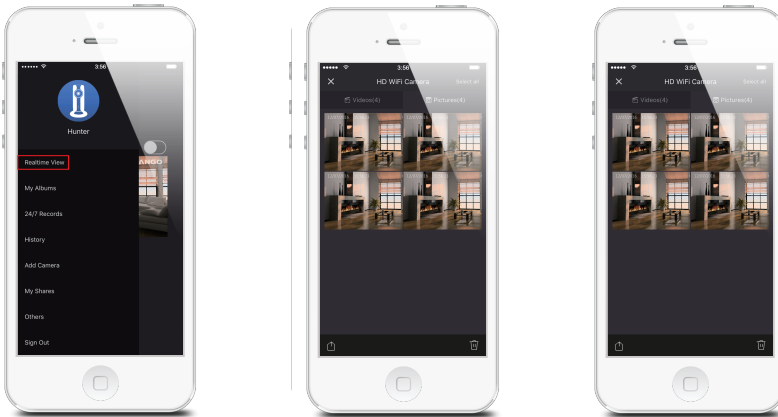
If you want to listen in on the surrounding area of your HD WiFi camera, all you need to do is tap on the Listen in Button.

④ App Settings

Please refer to page 15 for details.

My Albums

You can find all of your manually saved video clips and snapshots on this page. Any video or snapshots found here are stored on your phone, and can be edited and shared as you wish.



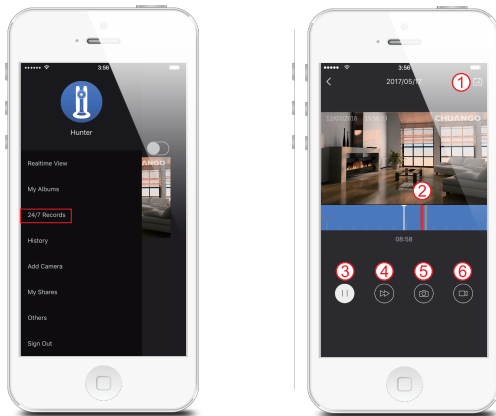
Deleting Video(s) or Snapshot(s)

Tap on the edit icon [📌], and then press the shown [🗑️] to delete video clip(s) or snapshot(s).

Sharing Video(s) or Snapshot(s)

Tap on the edit icon [📌], and then press the shown [📤] to share the video clips or snapshots of interest.

24/7 Records



1. Select Date of Record
2. Motion Red line: motion was detected in this interval.
3. Pause Button
4. Fast Forward Button
5. Snapshot
6. Video Recording

* While you review the continuous recording saved to the memory card, you can also manually save snapshots and/or video clips of interest directly to your phone. All the saved snapshots and video clips are accessible under [My Albums].

* 24/7 Records Timeline Color Reference:

Grey: no record;

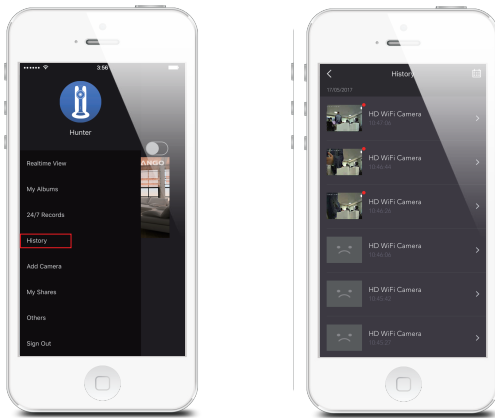
Blue: normal record;

Red: motion detection detected

Important:

ONLY when the WiFi connection is completed, your camera will start 24/7 Records after inserting a memory card.

History



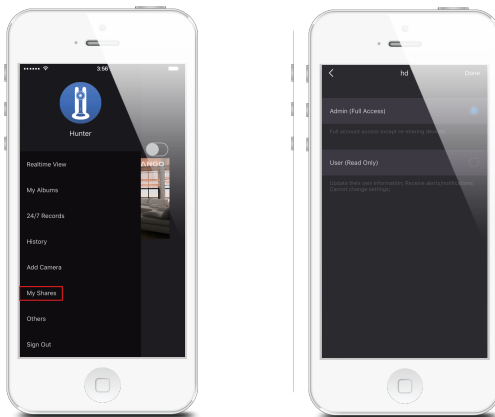
Motion-triggered alerts can be reviewed from this History page and the corresponding 15-second videos can be played ONLY if a microSD™ card was inserted.

Tap on [📅] to pick a specific date to search an alert.

Note: Only the most recent 200 alerts will be shown. New alerts will overwrite the oldest ones.

My Shares

Sharing device with family or friends



By choosing "My shares" on the menu and pressing the [+] Add Button, you can share access to your device(s) with other registered accounts.

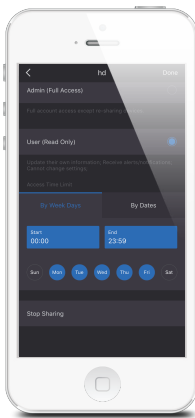
Admin (Full Access)

With Admin (Full Access), the shared user in this group will be able to do almost everything as the Owner can to the device you shared, with few exception, like re-sharing to others.

Important: Because people in Admin group with access to a device can do so much, you should only invite people you really trust.

User (Read Only)

With User (Read Only), the shared user in this group will only be able to edit the name of the device(s) and receive alerts; re-sharing the device(s) to other users or changing the settings are not permitted.



By Week Days

Select the day(s) and each day's routine you want the device(s) to be accessible to the account you share with.

By Dates

The family and/or friend(s) you share with will have access to your device(s) during the entire chosen time period.

Stop Sharing

If you would like to limit access to the device you have shared, tap stop sharing, then tap "✓" on the top right to save.

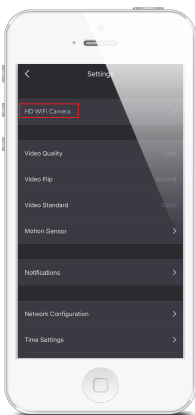
4.2 App Settings

Click this button to enter Settings page.



Device Name

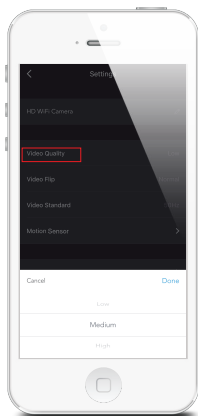
This setting enables you to rename your IP116 Plus HD WiFi Camera, and the new name will be shown on the Device List on Realtime View Page.



Video Quality

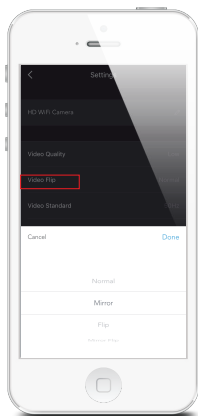
This setting enables you to choose the video quality that's right for you and your network.

NOTE: If you have a slower network speed you may need to adjust the video quality to a lower setting to avoid interruption.



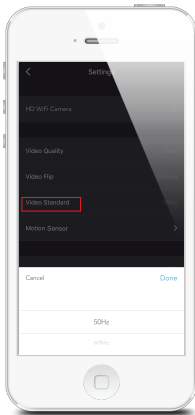
Video Flip

This selectable setting enables you to flip, mirror and mirror flip your view angle of the real-time play when your IP116 Plus HD WiFi Camera is mounted on the wall and ceiling or sitting on the desk bracket without remounting to adjust the direction.



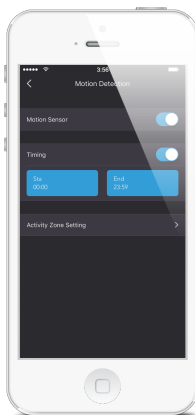
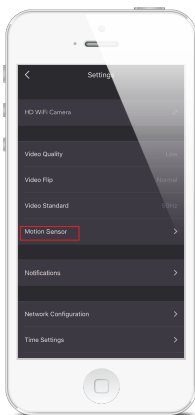
Video Standard

This selectable setting enables you to choose the most suitable frequency for your video.

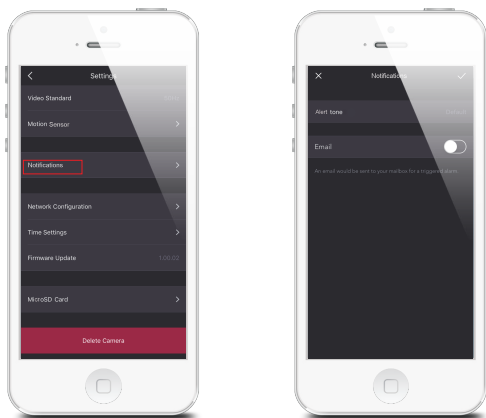


Motion Detection

When the Motion Detection function which can be timed as you want is turned on, you will receive a Push Message whenever motion is detected. With your own custom Activity Zones, you can define certain areas of interest in your camera's view and get notification when there is motion; therefore the alerts become more specific and meaningful and other activities detected by other areas can be blocked without any bother. You can monitor up to 2 zones per camera, tailor each zone a custom size and delete.



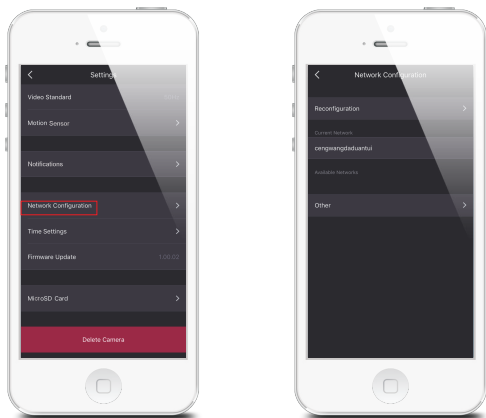
Notifications



This setting enables you to:

1. Change the alert tone of the push notifications .
2. If you want to receive an email notification whenever the motion is detected, you can turn on the “Email” function and input the receiving email addresses.

Network Configuration



Ⓞ Reconfiguration

This setting enables you to reconfigure your IP116 Plus HD WiFi Camera when a network issue has arisen. All settings and records will NOT be erased.

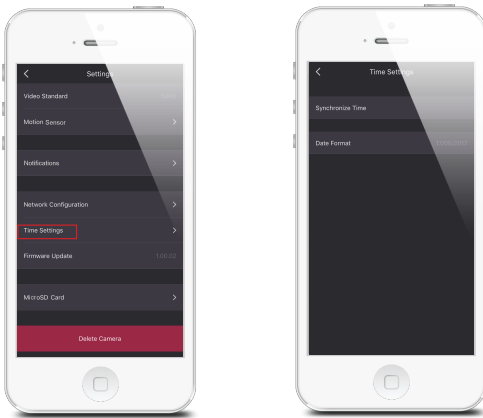
② Current Network

This setting indicates your current network and the signal strength.

③ Switching between Available Networks

This setting enables you to connect your IP116 Plus HD WiFi Camera with another nearby WiFi network, without repeating the camera-phone pairing process.

Time Settings



① Synchronize Time

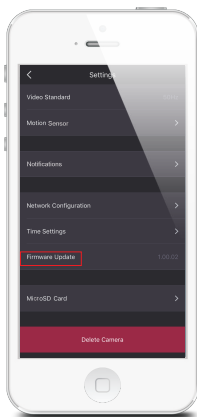
This setting enables you to choose the time zone for your IP116 Plus HD WiFi Camera, to make sure the time stamp on the recorded video is correct.

When motion is detected, you will receive a push notification: (for example) Activity detected by [IP116 Plus HD WiFi Camera name] at 08:20:00 GMT+2 Or Activity detected by [IP116 Plus HD WiFi Camera name] at 07:20:00 GMT+1 DST during Daylight Saving Time.

② Date Format

This setting enables you to change the format of the date shown on History Page.

Firmware Update



This setting enables you to update your IP116 Plus HD WiFi Camera to the latest firmware if necessary. WHEN AN UPDATE IS TAKING PLACE, FORCED TERMINATION WILL CAUSE SERIOUS DAMAGE TO YOUR IP116 Plus HD WiFi Camera. It is highly recommended that you keep your IP116 Plus HD WiFi Camera plugged in at all times, and DO NOT SWITCH THE DEVICE OFF BEFORE AN UPDATE IS COMPLETED.

Update steps: tap on [Firmware Update], and you will see alternating red and blue lights flash during the UPDATE process.

microSD™ Card

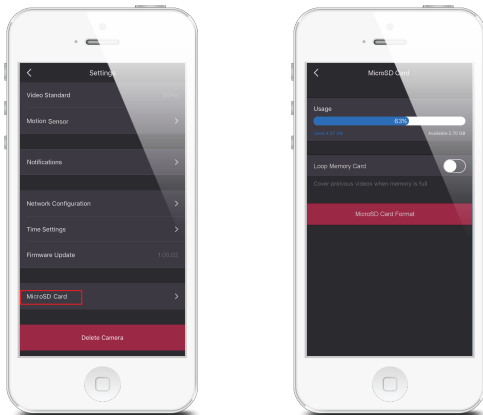
① Auto Cover

New videos will overwrite older ones automatically when memory card is full.

② microSD™ Card Format

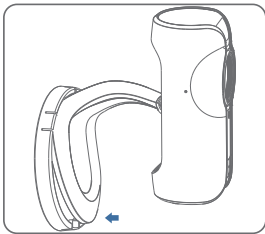
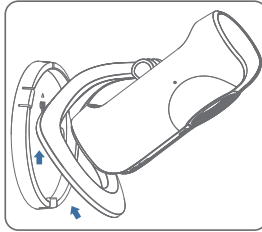
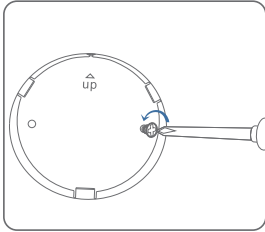
This setting will **wipe and clean** all the recordings stored on your memory card. When video is not being recorded to your memory card, you may try reformatting it.

This process is irreversible, so please do proceed with caution.



5. Installation

Important: This camera should be placed where the WiFi signal is strong for optimal performance.



6. Restoring to Factory Settings

Please read the steps below carefully before restoring to factory settings.

Note: If you don't want to clear the recordings stored on your memory card, you can take out the memory card before restoring to factory setting.

Use a pin or paper clip to press the Reset Button (refer to page 5) for 10 seconds, during the time, you will hear a beep in the first 3 seconds, continue to hold it until two beeps are heard. After that, the camera will be restored to factory setting.

Restoring to factory setting will clear the connection between your camera and your smartphone, therefore you should add the camera to your App again.

7. Specifications

Image sensor	1/4" Omnivision sensor
Min. illumination	0.02Lux @(F2.0,AGG ON), 0 Lux with IR
Shutter time	1/50s to 1/100,000s
Lens	2.4mm F2.0
Angle of view	95°
Video compression	H.264
Bit rate	Self-adaption
Max. image resolution	1280 x 720
Frame rate	20fps (1280 × 720)
Storage	Built-in microSD™ card slot, up to 32GB
Wireless standards	IEEE802.11b/g/n
Frequency range	2.4 GHz ~ 2.4835 GHz
Channel bandwidth	20/40MHz Support
Operating conditions	Temperature: 0 °C - 60 °C (32 °F - 140 °F) Humidity: < 90% (non-condensing)
Power supply	DC 5V 1A
Power consumption	5W MAX
Dimensions (L x W x H)	91 x 78 x 115 mm