## Product Feature

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>Video resolution</td>
<td>1280X720</td>
</tr>
<tr>
<td></td>
<td>1280X960</td>
</tr>
<tr>
<td></td>
<td>1920X1080</td>
</tr>
<tr>
<td>Wi-Fi Connection</td>
<td>Support Wi-Fi smart link</td>
</tr>
<tr>
<td>Night Vision Distance</td>
<td>10m/ 32feet</td>
</tr>
<tr>
<td>Micro SD Card Storage</td>
<td>Support Micro SD card storage up to 128GB (not included Micro SD)</td>
</tr>
<tr>
<td>Motion Detection</td>
<td>Support alarm through Micro SD card, App, E-mail, FTP</td>
</tr>
<tr>
<td>Video Format</td>
<td>H.264</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>25 fps</td>
</tr>
<tr>
<td>Wireless Security</td>
<td>WPA/WPA2/WPA-PSK/WPA2-PSK</td>
</tr>
<tr>
<td>Wireless Frequency</td>
<td>2.4Ghz</td>
</tr>
<tr>
<td>APP Alarm Push</td>
<td>Support</td>
</tr>
<tr>
<td>FTP Alarm Storage</td>
<td>Support</td>
</tr>
<tr>
<td>Time Adjustment &amp; Time Zone Setting</td>
<td>Support</td>
</tr>
<tr>
<td>Snapshot/Recording</td>
<td>Support</td>
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<tr>
<td>ONVIF/RTSP/IP Protocol</td>
<td>Support</td>
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<tr>
<td>Firmware Upgrade</td>
<td>Support</td>
</tr>
<tr>
<td>Two-Way Audio</td>
<td>Support</td>
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⚠️ **Attention:** The actual resolution of the camera is depended on the device itself.
## Package contents

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<th></th>
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<tr>
<td>1</td>
<td>x1</td>
<td>Fixed Camera</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>x1</td>
<td>100V<del>240V AC 50</del>60Hz mains adaptor / 5V DC 1A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>x3</td>
<td>Wall plugs for attaching the base</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>x3</td>
<td>Screws for attaching the base</td>
<td></td>
<td></td>
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<tr>
<td>5</td>
<td>x1</td>
<td>Quick Start Guide</td>
<td></td>
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</tr>
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</table>

(Corresponding power supply according to the model.)
Attention:
If any part is missing or appears damaged, contact the dealer immediately for replacement.

IP Camera Overview
Operating System Requirement
The App is compatible with Android 2.3+ or above version, IOS 7.0+ or above version.

App Setup and Camera Connection
Before beginning the setup process, your phone must be connected to a Wi-Fi network.

Download App
Two ways:
Search App “CamHi” on App Store or Google Play Store, and install it.
Scan the following QR code to download and install the App.

Connection to power
Plug the power cable to camera, and then wait for a while until camera plays beeping sound.
⚠️ Attention: If there is no beeping sound, press the reset button and hold it approximately 10 seconds when there is a successful music.

Connection to Internet
Before you start:
• If you want to set the ip camera via Wi-Fi, please refer to Section 1
• If you want to set the ip camera via Ethernet cable, please refer to Section 2

Section 1 Wireless Connection to Internet
After running App “CamHi”, please operate as following:
Click “Add Camera”

Choose “Wireless Installation”

Put the QR Code into the frame

NO QR Code? click here.

Scan camera UID

Enter the Wi-Fi password
Section 2 Ethernet cable connection to Internet
Connect camera to router with an Ethernet cable.
(⚠️ Attention: This method only can be applied to camera with RJ45 network interface.).

Add camera in App
After connecting to Internet, please add camera in the “Add Camera” page.
Three ways for adding camera:
1. Scan to add camera.
2. Search the existing camera from LAN to add camera.
3. Add camera by entering UID to add camera.

Function Introduction
Add Camera Interface
**UID:** Enter the UID underneath the Camera.

**Password:** Camera Password (Default password: admin).

**Scan QR code:** To scan the QR code on the bottom of the camera to get UID.

**Search Camera from LAN:** To search the camera UID in LAN

**Wireless Installation:** To connect camera to Wi-Fi with one-click configuration. For more details, please go to Section 1 Wireless Connection to Internet

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**Camera Interface**

① **Edit:** To delete or change the name, UID, password and other configuration of camera.

② **Add Camera:** To add camera

③ **Vision:** To see the real-time video

④ **Settings:** To set all camera functions

⑤ **Picture:** To browse snapshot pictures.

⑥ **Video:** To watch stored videos in cell phones or SD card.

⑦ **About:** To check the version information for App.
① **Image Rotate:** Tap on button, flip or mirror the pictures in the video.
② **Exit:** Tap and return to Camera interface.
③ **Listen:** Listen to the sounds around camera.
④ **Speak:** Push to speak to camera
⑤ **Snapshot:** Snapshot real-time pictures and transfer to smart phones.
⑥ **Record:** Record the video and transfer to the cell phones.
⑦ **Resolution ratio:** Tap “ ” to adjust camera video quality. High definition (HD)or Standard definition (SD)
⑧ **Pan & Tilt:** Slide phone screen vertically or horizontally to shoot right position.
Camera Settings Interface

<table>
<thead>
<tr>
<th>Back</th>
<th>Camera setting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Camera</td>
</tr>
<tr>
<td></td>
<td>AAAA-392501-HYEJT (Online)</td>
</tr>
<tr>
<td>Edit Password &gt;1</td>
<td>Alarm Setting &gt;2</td>
</tr>
<tr>
<td>Action with Alarm &gt;3</td>
<td>Timing Record &gt;4</td>
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<tr>
<td>Audio Setting &gt;5</td>
<td>Video Setting &gt;6</td>
</tr>
<tr>
<td>Wi-Fi Setting &gt;7</td>
<td>SD Card Setting &gt;8</td>
</tr>
<tr>
<td>Time Setting &gt;9</td>
<td>Email Setting &gt;10</td>
</tr>
<tr>
<td></td>
<td>FTP Setting &gt;11</td>
</tr>
<tr>
<td></td>
<td>System Setting &gt;12</td>
</tr>
<tr>
<td></td>
<td>Device Information &gt;13</td>
</tr>
</tbody>
</table>

① Edit Password: To edit the password for camera.
② Alarm Setting: Set motion detection and its sensitivity

Motion detection: After turning on Motion Detection, camera could detect moving objects within detection range.
Level: Three levels of motion detection for your option: low, medium, high.
Action with Alarm: Turn on motion detection, so that the camera can have different functions when the alarm is triggered.
Alarm Notifications: App will receive the pushed notification (The authority of pushing message is needed in settings).
Alarm SD REC: Alarm recording will be stored in SD card automatically. (Insertion of SD card into camera is needed).
E-mail Alarm with Snapshots: Send alarm pictures to email (Finishing email settings at first).
Save Snapshots on FTP Server: Save alarm pictures to FTP server (FTP settings is needed).
Save Video on FTP Server: Save alarm recording to FTP server (FTP settings is needed as well as the insertion of SD card).
Timing Record: Set the duration and state of timer recording, timer recording will be stored in SD card.
Video time: Record videos at set time intervals of a day.

<table>
<thead>
<tr>
<th>Back</th>
<th>Timing Record</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Duration 600 seconds</td>
</tr>
<tr>
<td></td>
<td>15-600 seconds time range</td>
</tr>
<tr>
<td></td>
<td>Video time ALL DAY</td>
</tr>
<tr>
<td></td>
<td>Apply</td>
</tr>
</tbody>
</table>

Audio setting: Set the output and input of sound.
Video Setting: To set the video’s effect. There are two bit streams for video.
Attention: Decrease of bit rate leads to lower quality of video and decrease of frame rate leads to less fluency. When network is weak, decrease frame rate is suggested in case of frame drop.

7 Wi-Fi Setting: Set camera Wi-Fi.
Choose a Network: Get the Wi-Fi list.

8 SD Card Setting: To check the storage space, available space or format this SD card.
Attention: When the storage of SD card is full, system will overwrite automatically to continue recording. (The server will delete the oldest file first.)

9 Time setting: To set the time and time zone of camera
Time: The time of the camera and phone will be synchronized.
Device Time Zone: Choose the time zone and set the parameter.
Attention: After setting successfully, camera will be restarted.

10 Email setting: To set the receiver and sender of email.

<table>
<thead>
<tr>
<th>Back</th>
<th>Email setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:service@gmail.com">service@gmail.com</a></td>
</tr>
<tr>
<td>Passwr</td>
<td>**</td>
</tr>
<tr>
<td>Advanced Setting</td>
<td>ON</td>
</tr>
<tr>
<td>Send to</td>
<td><a href="mailto:service@gmail.com">service@gmail.com</a></td>
</tr>
<tr>
<td>SMTP Server</td>
<td>smtp.gmail.com</td>
</tr>
<tr>
<td>Server Port</td>
<td>465</td>
</tr>
<tr>
<td>Encrypt Type</td>
<td>SSL</td>
</tr>
<tr>
<td>Subject</td>
<td>IP Camera sent you an E……</td>
</tr>
<tr>
<td>Message</td>
<td>Hello, Your camera has…………</td>
</tr>
<tr>
<td>Apply</td>
<td></td>
</tr>
</tbody>
</table>
Email: To set the receiver and sender of the email.
Advanced Settings: Enable advanced settings to manually set the SMTP server, ports and protocols.
Test: After enter all information, the test will begin, then a test result will be sent to your email. (Test email will not receive alarm pictures)
⚠️ Attention: When the email address is frequently-used email, for example, Yahoo, Hotmail, Gmail, App will configure SMTP server and port automatically.
⚠️ FTP Settings: To set the FTP server with uploading function.
Server Address: FTP server or the IP address of FTP.
Server Port: The port of FTP, the default port number is 21.
User name: The user name of FTP server (at least with the authority of uploading).
Password: The password for the user.
Path: The virtue directory owned by the user in FTP server.
Test FTP settings: After setting the FTP server, FTP begin to test. A test picture will be sent to you FTP server if the test is successful.
System Setting: Parameters for device restart, factory restore and firmware upgrade.
Reset Camera: To restore factory default parameters.
Check upgrade: To upgrade the firmware of camera.
⚠️ Attention: Please do not turn the camera off when upgrade the firmware’s software of camera.
Device Information: To check the device information.

Appendix
Frequently Asked Questions

A. What if the camera password is wrong or the password is forgotten?
Power the camera, and use a pin to keep pressing the reset button and hold it approximately 10 seconds until the camera is restarted. The camera default password is “admin”.
⚠️ Attention: If the reset is successful, the camera will make a sound like “Ding-Dong”.

B. If you fail to set up Wi-Fi for ip camera, please make sure:
1) Your phone is connecting to 2.4G Wi-Fi signal. Since this model doesn't support 5G Wi-Fi signal.
2) When configure Wi-Fi, the phone and camera should play "Ding-Dong" sound, if not, please RESET the camera and move cell phone closer to camera.
3) Wi-Fi SSID and Wi-Fi password not including special character "\ = & `", if it does, please change the Wi-Fi password before continuing on this step.
4) The Wi-Fi Encryption is WPA/WPA2-PSK, either AES or TKIP encryption is OK. If you are not using WPA/WPA, you are probably using WEP, which is quite old technology.
and not safe nowadays. It has been replaced by WPA/WPA2. It is recommended to use WPA/WPA2 now.

5) DHCP is enabled in Router

⚠️ Attention: If your camera has Ethernet cable port, you can set up camera with wired connection first, and go to APP > Setting > Wi-Fi Setting to set up Wi-Fi.

C. Can camera be viewed under 3G/4G data network?
Yes, you can view camera via mobile 3G/4G network, but in order to save mobile data, we highly recommend you to use Wi-Fi.

D. Why is the camera's real-time image blurry after the camera has been added?
Open the App, enter the camera real-time interface, and please adjust the camera lens focal distance manually until the camera’s image is clear.

⚠️ Note: For any other quality and setup issue, it is recommended you to reset and restart the IP camera and App.

Other FAQs:
1. How to set up the Email and Phone Push Alarm.
2. How to set up micro SD card record and record playback.
3. How to do if the camera two way audio doesn't work.
4. How to view the IP Camera on Computer.
5. How to set up the FTP.
6. How to watch live streams with ONVIF clients.
Please visit: http://www.tennis.com/support_service.html
Default Parameters
IP address: Dynamic Allocation, the initial address is 192.168.1.88. IP will be allocated automatically by router when camera is connected to net.
Gateway: Dynamic Allocation
Password: Default password is “admin”, the password is required to change for the first time logging App.

Technical support
This manual does not cover all the IP camera problems, if unknown problem emerges, you are welcome to contact us, so that we can modify this manual continually to make it more rich and comprehensive, and provide a better service for customers. If necessary, you can also contact us directly.