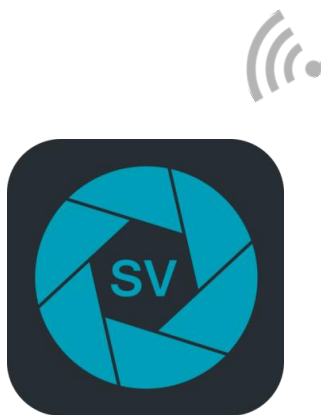


# Operating Instructions



Please read this manual thoroughly before operating the unit  
V1.4

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# 1. App Instruction(Android)

## 1.1 Software Installation

Please download and install the software “StreamVis” in the Google Play Store.

“StreamVis” software icon:



Or scanning the QR code on your mobile phone:



# 1.2 WI-FI Connection

Methods / steps:

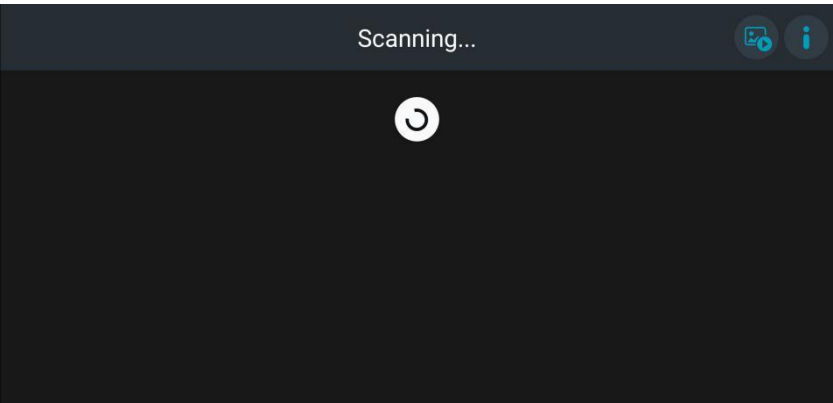


Open “Settings” on your phone and enter the “WLAN” interface. If WLAN is off, please turn it on. Then Connect to the camera corresponding hotspot (such as the initial hotspot name: “WFC/WFT-xxx”). If you use “StreamVis” without successfully connecting to a hotspot named “WFC/WFT-xxx”, the APP main interface will not display images and will prompt you to check Wi-Fi connection.

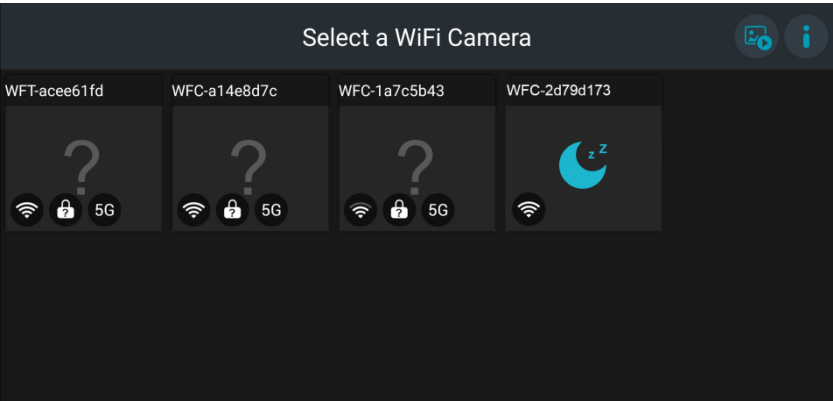
# 1.3 Software Operation

Method:

Open “StreamVis” on the smartphone and enter into the scanning interface.

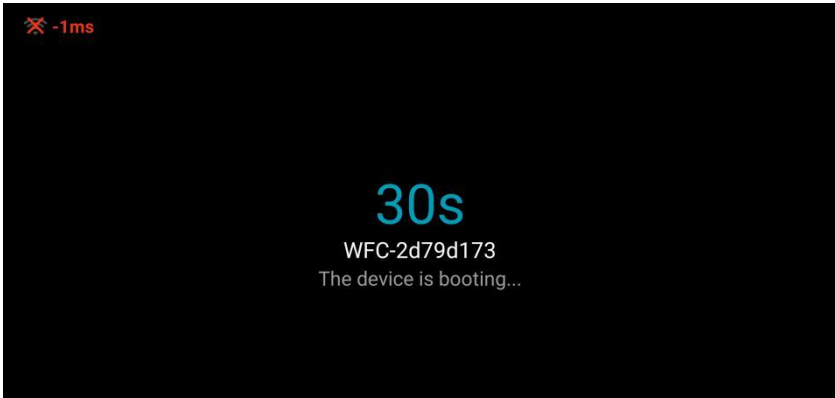


The App will scan the surrounding Wi-Fi devices, which will be displayed in the form of thumbnails. Select the corresponding device for quick connection.

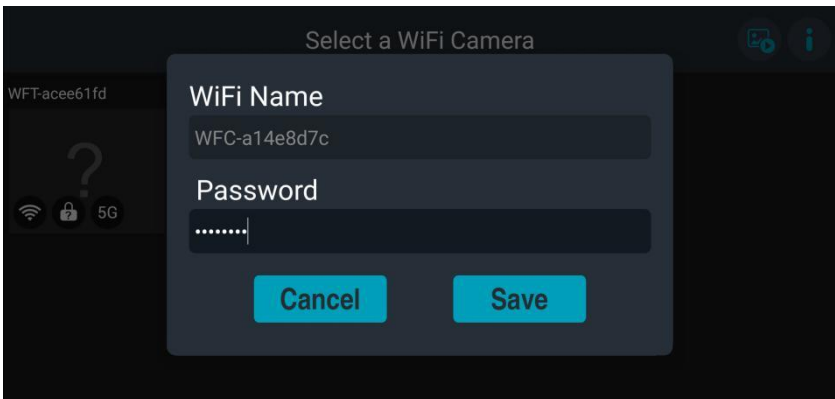




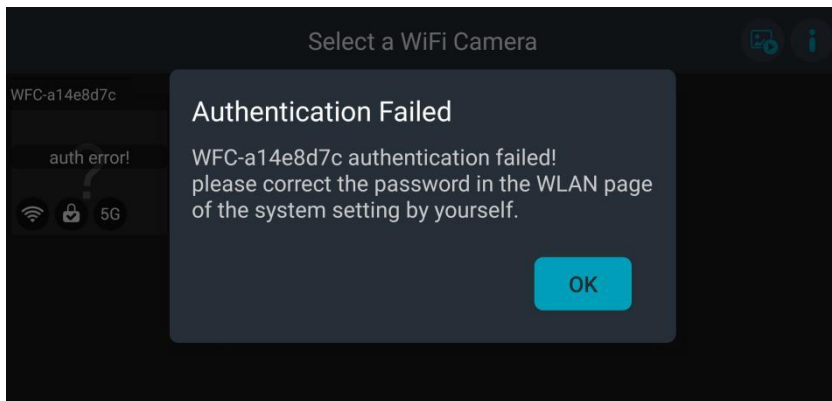
The scanned Wi-Fi device with this icon displayed is a bluetooth device. Touch the thumbnail to wake up the device and it will be connected in 30 seconds.



Enter default password 88888888 and save to connect.




Wrong password will lead an authentication error window to pop up. Touch “OK” to jump into the smartphone network setting to modify the hotspot and enter the correct Wi-Fi password.




After connecting successfully, the user will enter the main interface.



Gently tap the screen and the main configuration will be displayed.

 Wi-Fi signal bar indicates the strength of the signal, the higher the level, the stronger the signal. the data indicates the transmission latency, the smaller the data, the smoother the video. When the latency is above 200ms, the signal icon and data will show a red alarm.



 Touch the reversing cursor icon and it will show the reversing distance cursor. The reversing cursor is set to off by default.







When “StreamVis” accesses the device with trigger function, touch the trigger control icon and it will turn red to work, and the app switches to the homepage. Once detecting the trigger signal, the app will go back to the preview surface, if the trigger signal is disconnected, the app switches to the homepage.

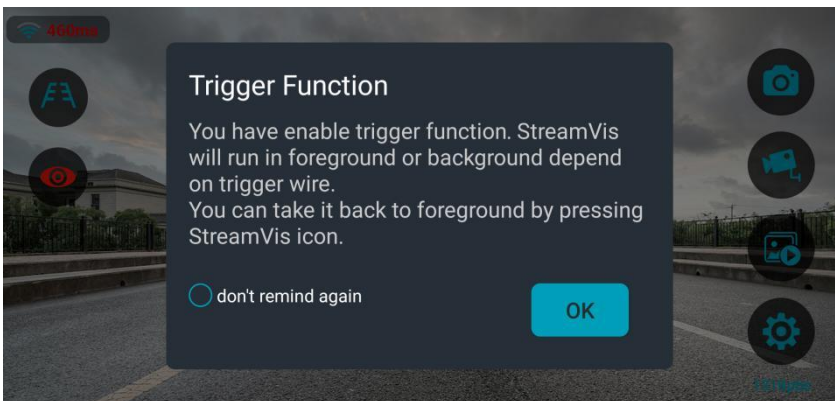
When the trigger function turns on, a tip window will pop up as below, touch “OK”.

Reverse Trigger Function:

- (1) Touch the eye icon to turn red
- (2) Make sure the app is running on backstage
- (3) This function is applicable for Wi-Fi products with trigger wires.

Note: 1、 If the trigger function is not working properly, please allow the mobile system to enable the background running permission of “StreamVis”.

2、 WiFi cameras do not have trigger function.



Touch the camera icon to snapshot. A thumbnail image will pop

up on the lower right corner. It will disappear in a few seconds if not touch to view. Pictures will be saved in album automatically.

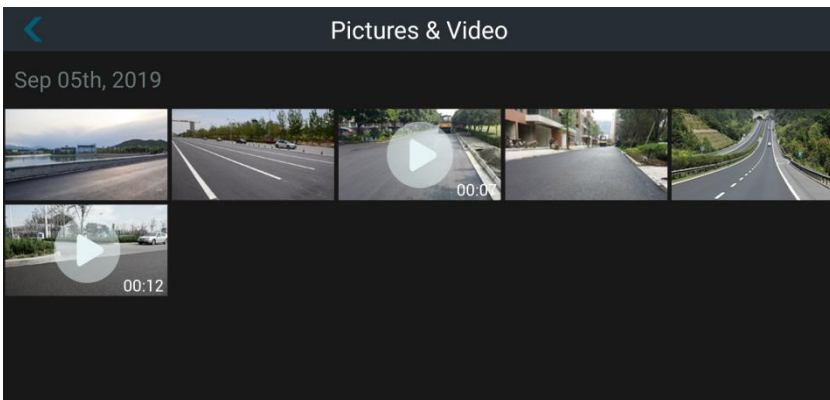


Touch recording icon to start recording, the icon will be red. Touch it again to stop recording and the icon will be in standard color. The recording will be saved in the album automatically.

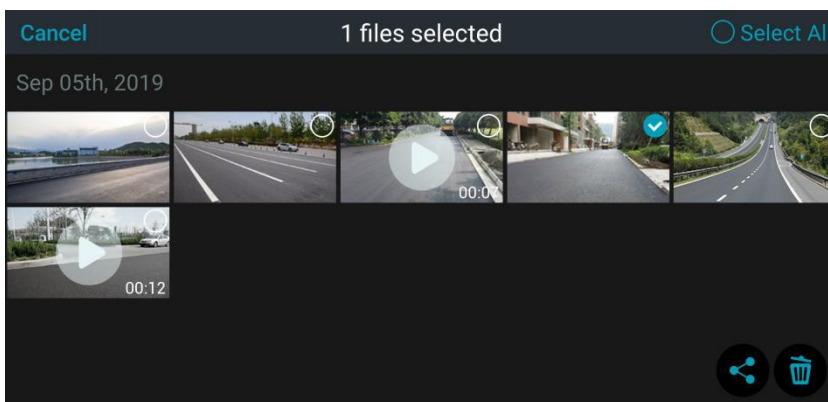
Permission needs approval on the first time you use capture and record function.



Touch “Album” to enter the interface of pictures and videos. Pictures and videos are grouped by date in the form of thumbnails. There is a “Playback” icon on the video thumbnail to distinguish them from the pictures. The duration of the video is shown on the lower right corner. A progress bar will appear at the bottom of the screen during video playback, and the progress bar can be dragged. Users can slide left and right when previewing album files. File saving time is shown on the file name.

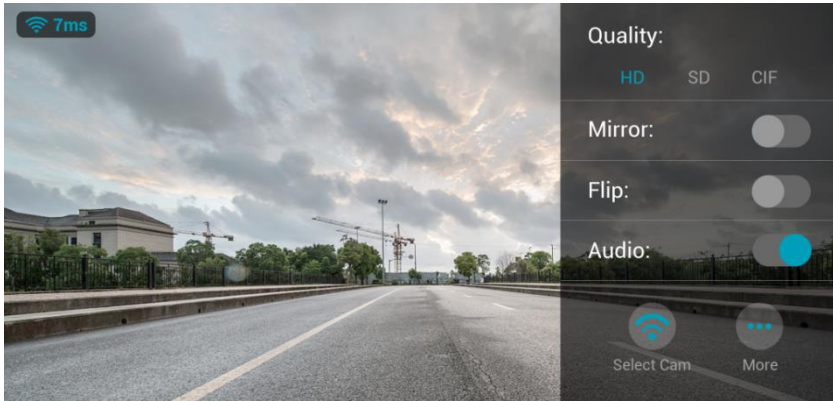


Touch “Album” to enter the interface of pictures and videos. Press and hold the file thumbnails to enter file selection mode, which will show the check boxes. Tick “Select All” on the top right corner to select or cancel all files. When a file is selected, the number of selected files will be displayed at the top of the screen and files can be deleted or shared by clicking the corresponding icons on the lower right corner (Note: video sharing is not supported. If videos are selected, the “Share” icon will turn into gray). Touch “Cancel” to exit file selection mode.





Touch “Settings” icon to enter the interface of main settings.

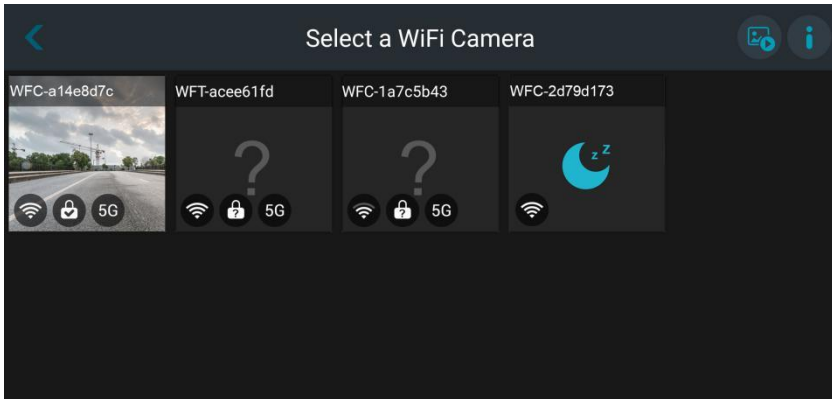


Detailed configuration options are described as below:

- Quality: HD(1280\*720) SD(704\*480) CIF(352\*240)
- Mirror: ON / OFF
- Flip: ON / OFF
- Audio: ON / OFF



After logging in to the wireless devices, Touch “Select Cam” to enter the scanning interface. In this interface, current image of connected devices can be captured so that the users can quickly find target device based on the captured image.

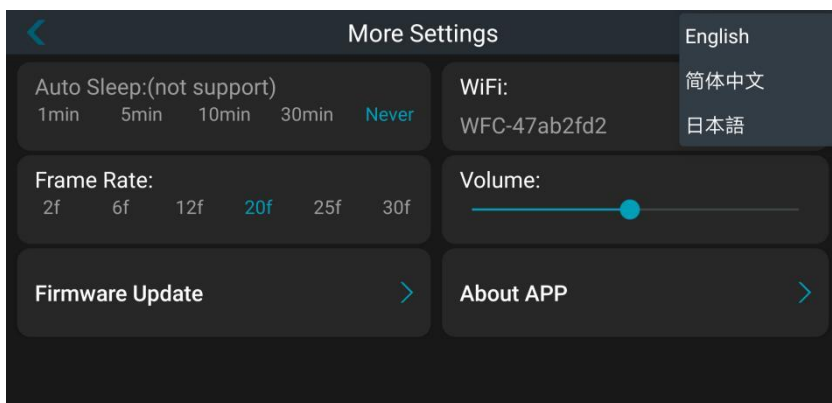


The “More Settings” interface supports more configurations.

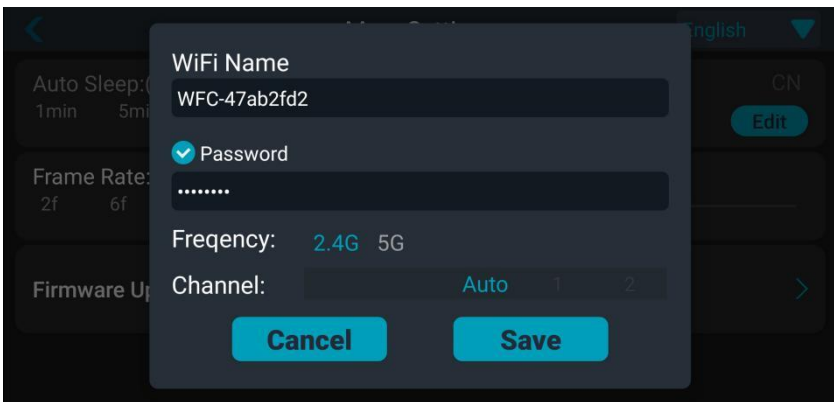
Note: Different languages can be switched at the language column. The default language for the initial installation depends on the language of the mobile phone system.

Detailed configuration options are described as below:

- **Auto Sleep:** configure automatic sleep time for low-power Bluetooth devices. The control time to enter the low-power state can be set to 1min, 5mins, 10mins, 30mins or Never. (Devices will enter low-power state after selected auto sleep time if there is no communication between the devices and APP). For non-Bluetooth devices, “not support” will be shown and auto sleep time defaults to “Never”.
- **Frame Rate:** configure video frame rate. Default is 20fps, with options 2fps, 6fps, 12fps, 20fps, 25fps and 30fps.

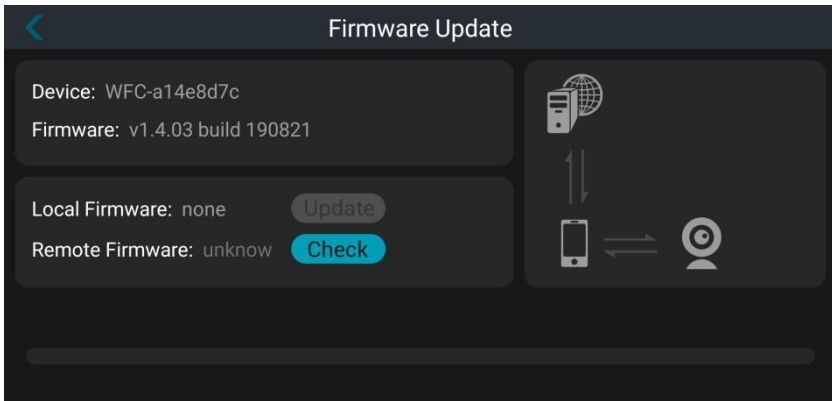


- WiFi: Touch “Edit” to change Wi-Fi name or password, or to choose frequency band. Check the box before “Password” and “Save” to enable encryption mode for hotspot of wireless device. Uncheck the box before “Password” and “Save” to disable the encryption mode. 2.4G/5G band is optional. Channel priority can be set after selecting the frequency band according to the user environment (slide left and right at Channel to view optional channels).



- Volume: drag volume control bar to set volume.

- **Firmware Update:** Current firmware version can be checked in the “Firmware Update” interface. Please refer to 3.4 “Camera Firmware Update” for more details.

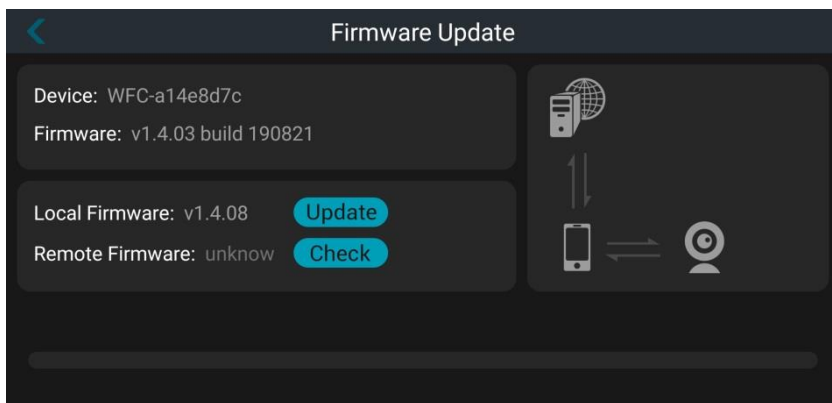


Steps for firmware update are as below:

- 1) If there is a new firmware package downloaded to local path, Touch “Update” to update the firmware automatically (network must be available).

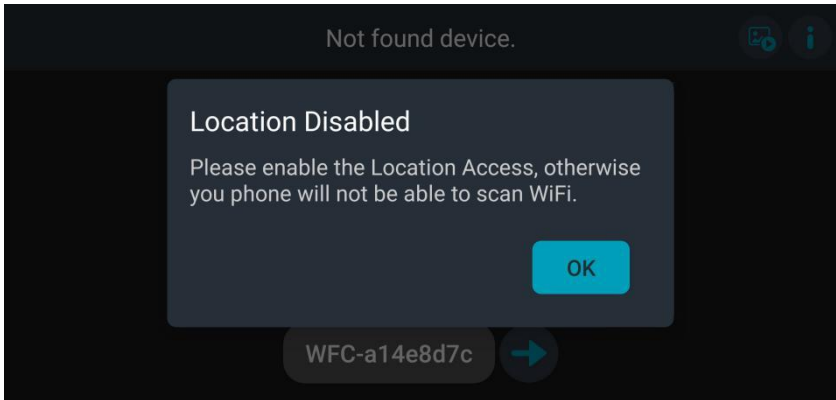


2) Touch “Check” to find and download the new firmware to local path, then touch “Update” to update the firmware automatically (network must be available). There will be a prompt “Firmware Update Successful” for a successful update. Pay attention to the communication status of the network link on the right side of the screen.

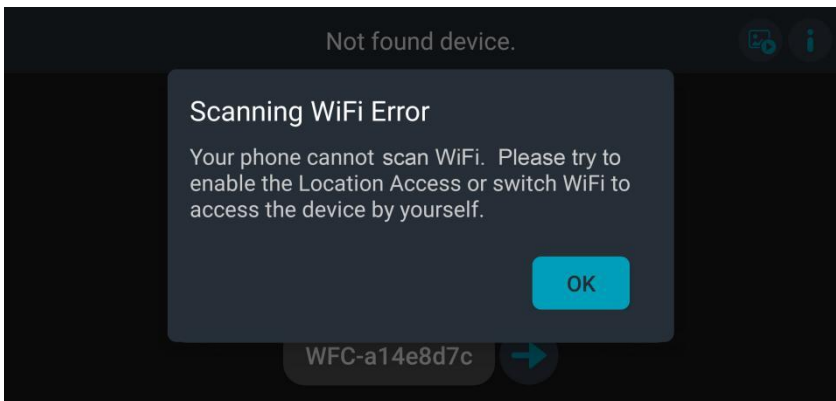


- About StreamVis: APP version and detailed information on “StreamVis”, Please check chapter 3.5, StreamVis Update.

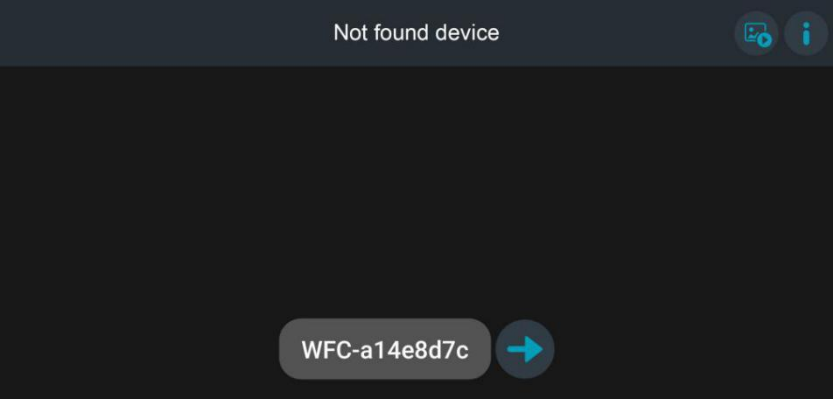
Note: It requires to enable authorities, such as location, save, read & write authorities of your mobile phone to ensure “StreamVis” normal operation, please enable the reminded to-be-enable authority.



“StreamVis” will not be able to access to Wi-Fi auto-search if location authority is not enabled, nor can it scan surrounding wireless devices. It will remind that the authority of location acquisition is not enabled, please touch “OK” to enable it on the mobile location authority setting interface.

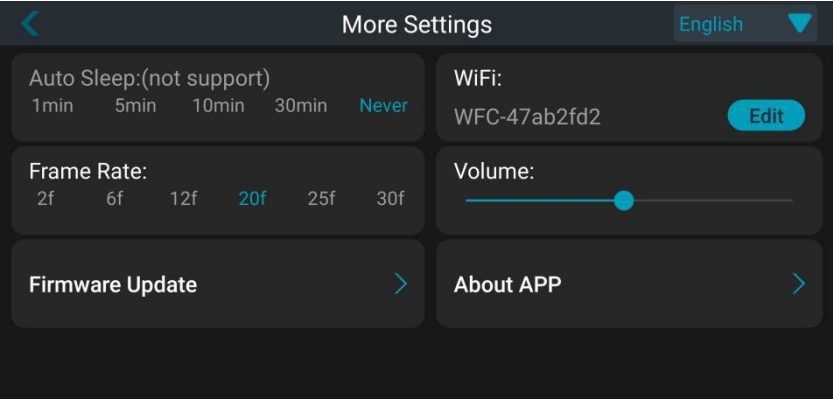


If you refuse to enable location authority, please touch other places of the screen instead of touch “OK” button and see below interface. You will need to touch the Wi-Fi AP name and skip to Internet setting interface to connect the corresponding Wi-Fi hotspot manually.

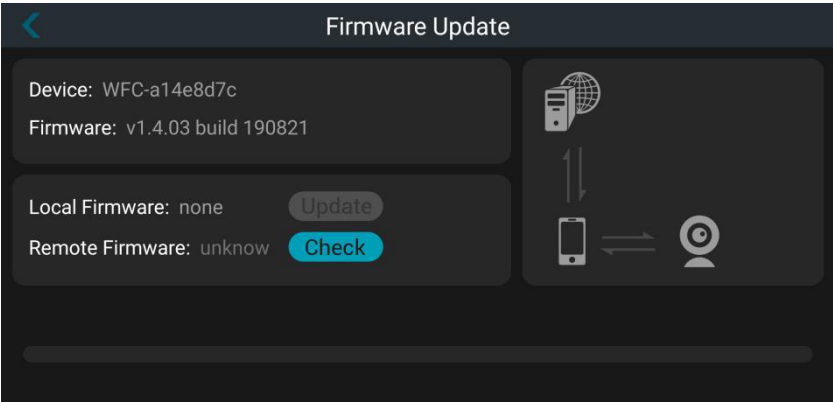


### 1.4 Software Update of Camera

Open “StreamVis” and enter “More Settings”.



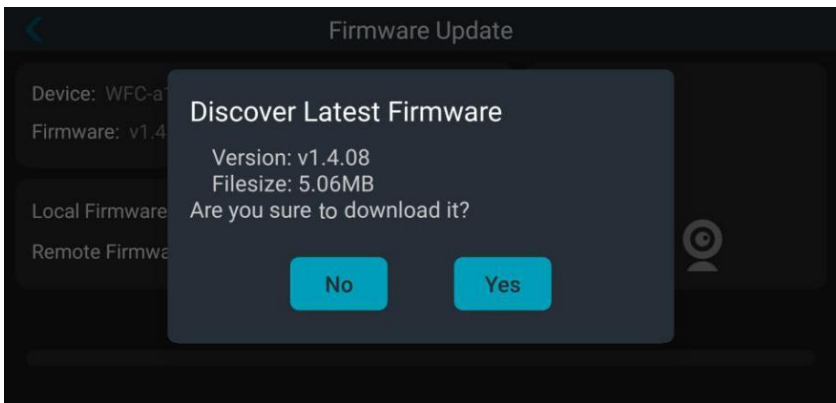
Select “Firmware Update” and enter the interface.



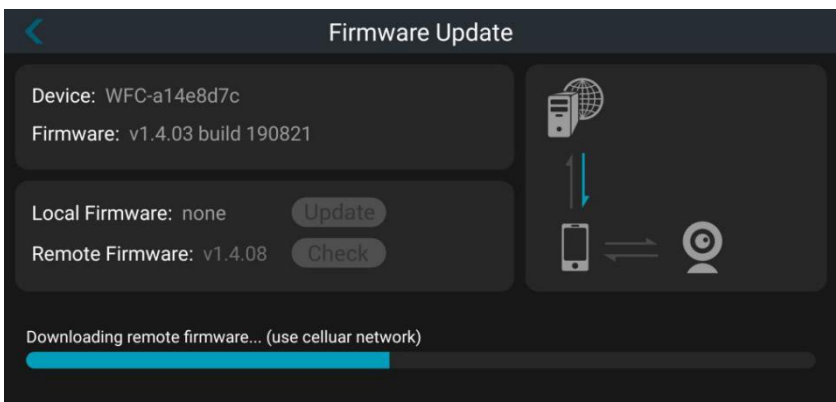
Touch **Check** “StreamVis” will check automatically with the server if there’s new version to be updated after touch “Check”, if so, the system will remind to download the newest version to local or inform that the current version is already the latest version (Please make sure that there’s available network or mobile data). Please keep an eye on the Internet communication link status on the right side of the screen.



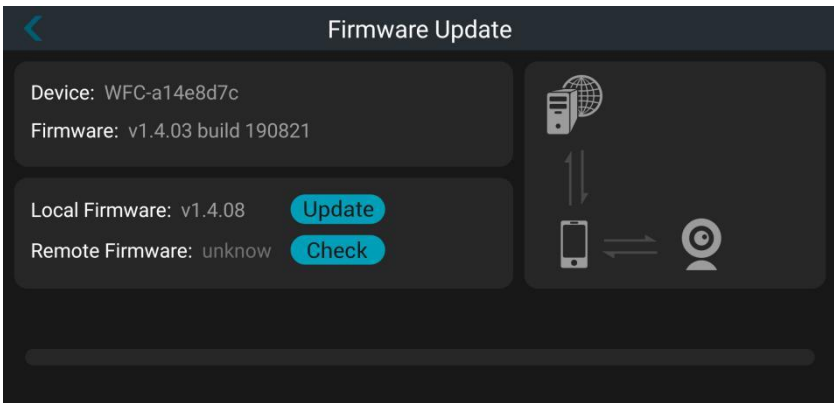
Once detected a latest version for update, “StreamVis” will ask if to download it to local, shown as below:



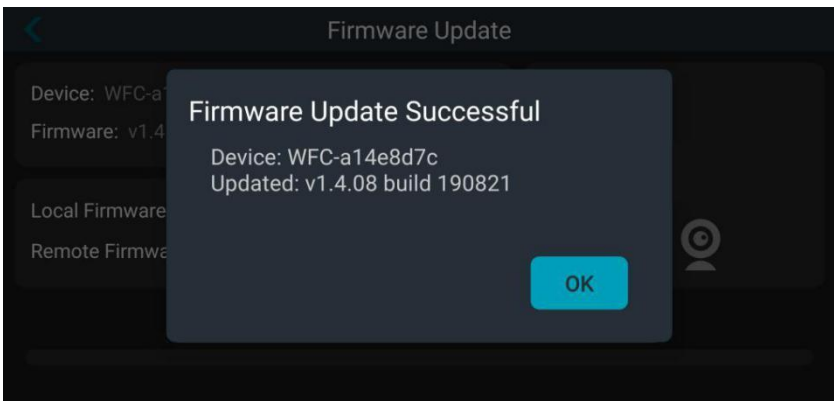
Process of download firmware (Please make sure there's available network or mobile data)



Device can be updated via touch **Update** after the firmware is downloaded to phone storage.

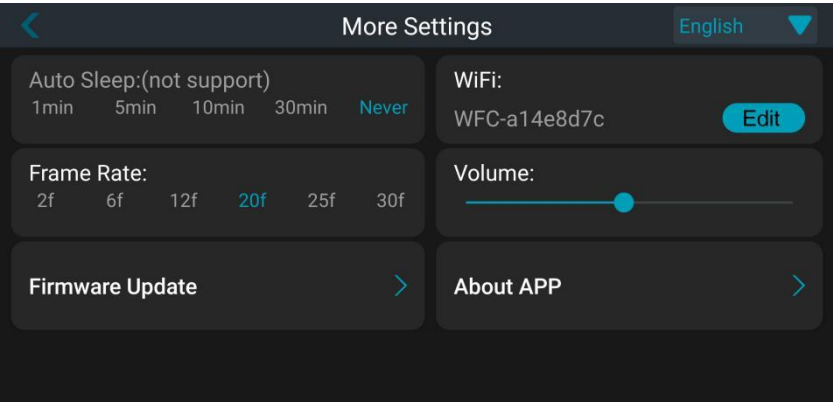


There are 3 phases for update: push firmware package to device, device update and device reboot. Please wait patiently during the process, there will be a reminder that firmware has been updated successfully with the newest version number shown as below.

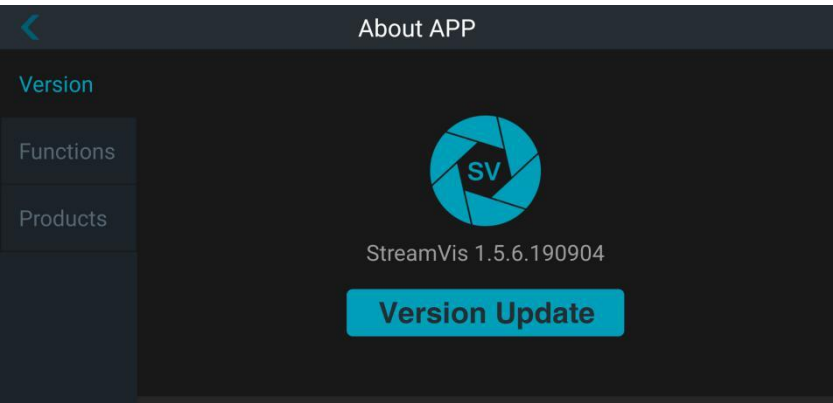


# 1.5 APP Update

Open “StreamVis” and enter the interface of “More Settings”.



Select “About APP” and enter the interface of “StreamVis”.



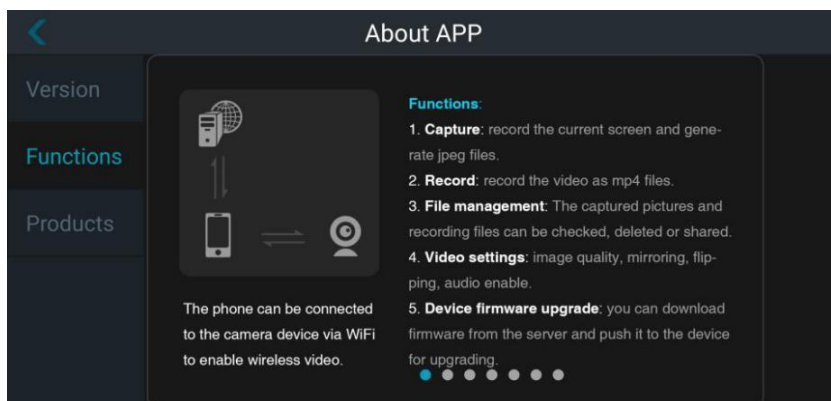
About App information includes “Streamvis” version, functions, and corresponding wireless products introduction.

(1) Version: Check “StreamVis” software version number (As shown in the picture, StreamVis1.5.6.190904 is version number). Touch

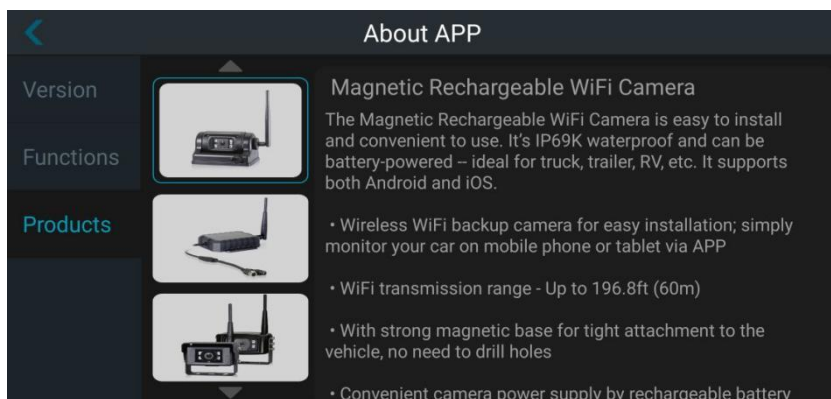
## Version Update

to process update. It requires available network for automatic searching to download APP. “Streamvis” will remind that there’s no accessible internet for APP download or update if no available network found. Please make sure that there’s available network or mobile data if update is needed.

(2) Function: It displays main functions of “StreamVis”.



(3) Products: It displays main features and characteristics of Wi-Fi products.





## 1.6 Trouble Shooting:

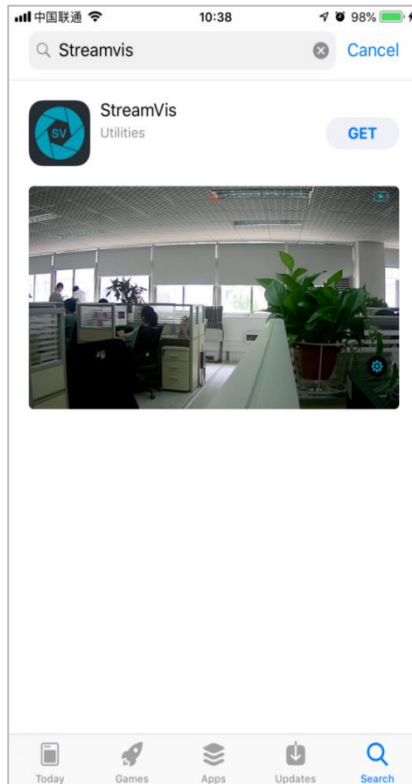
- (1) It is easy to disconnect after the hot spot is connected.  
Please switch the WiFi band or check if the phone has turned off the WiFi Assistant (recommend to turn off) or use APP to encrypt the camera.
- (2) The device with the reversing trigger function can not support reversing trigger function normally.  
Please allow the mobile phone system to enable “StreamVis” background operation permission.
- (3) The scanning interface shows that the hot spot can not be scanned.  
Please open the WiFi on your phone and enable the permission for location information.

## 2. App Instructions (for iOS)

### 2.1 Software Installation

Methods/Steps:

Open “App Store”, search “Streamvis” in the search bar, and press “GET” to download “Streamvis”.



Or scanning the QR code on your mobile phone:



## 2.2 Wi-Fi Connection

Methods / steps:



Open “Settings” on your phone and enter the “WLAN” interface. If WLAN is off, please turn it on. Then Connect to the camera corresponding hotspot (such as the initial hotspot name: “WFC/WFT-xxx”). Enter default password 88888888 and save to connect. If you use “StreamVis” without successfully connecting to a hotspot named “WFC/WFT-xxx”, the APP main interface will not display images and will prompt you to check Wi-Fi connection.

## 2.3 Software Operation

Methods/Steps:



Touch the app icon to open “Streamvis”, and the main interface will show up as below.

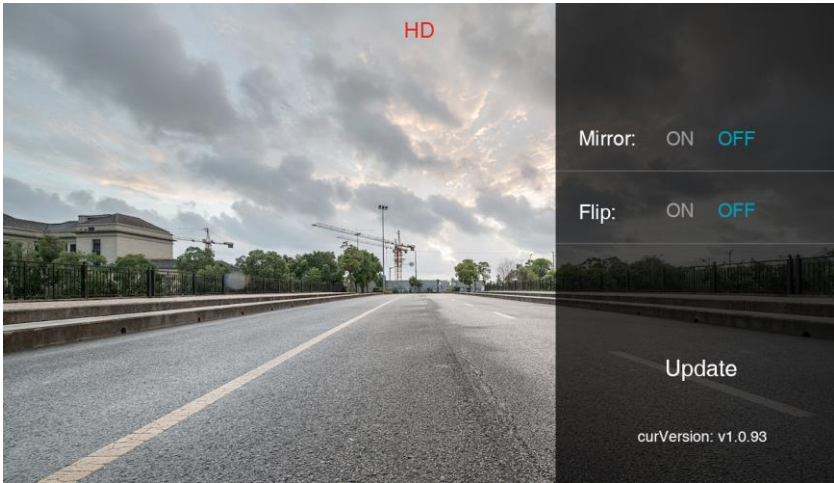


Tap the screen, and the settings icon will show up.





Tap the settings icon to enter main settings interface with two configuration items: Mirror and Flip.

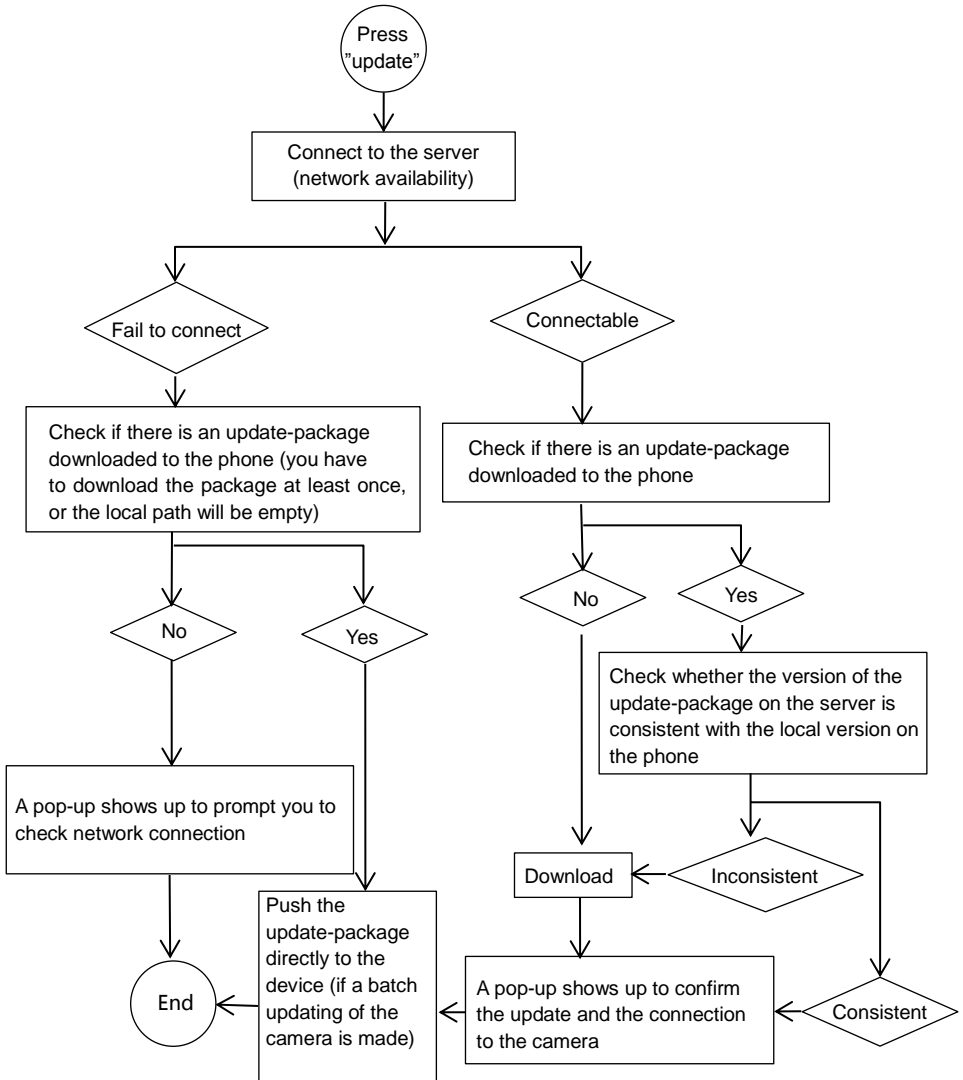


A detailed description of the configuration items is as follows:


- Mirror : ON (to open the mirror image) OFF (to close the mirror image)
- Flip : ON (to flip the screen vertically) OFF (to stop flipping the screen vertically)

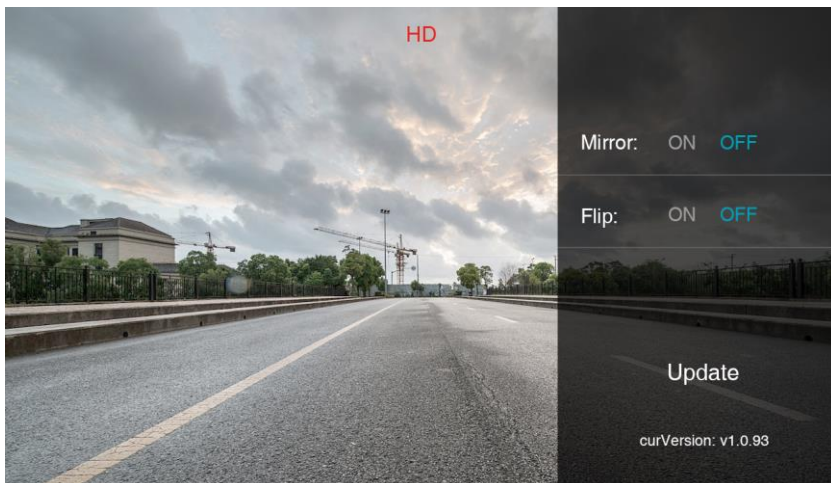
## 2.4 Camera Software Update

### 2.4.1 Flow Chart



## 2.4.2 Detailed Process

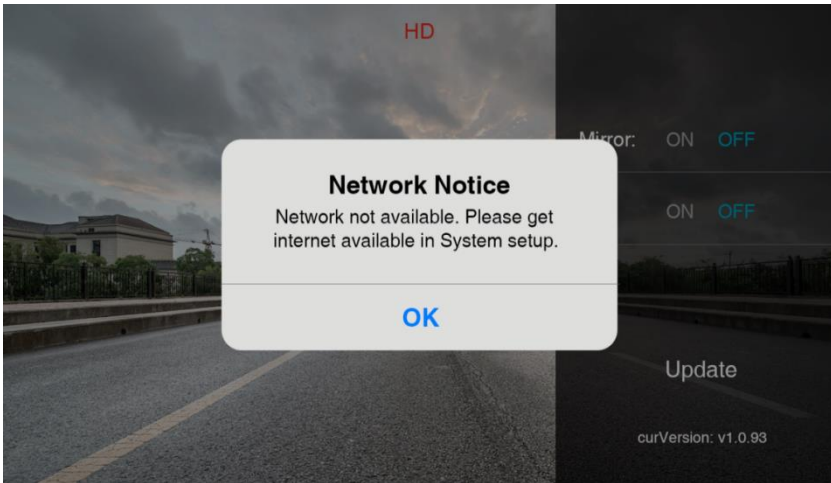
Open “Streamvis” and touch the icon  to enter the main settings interface. Tap “Update” to start the software update.



First of all, network availability is checked.

If network is unavailable, it will check whether there is an update-package downloaded to the app.

- If there is none, a pop-up will show up to ask for internet connection, and the process ends.



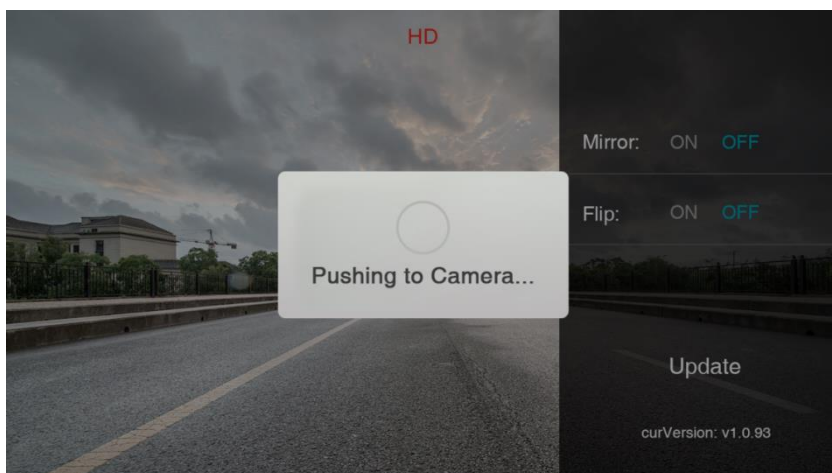


- If an update-package is found, it will prompt you to confirm the information.

If you tap “Cancel”, the update process will stop.



If you tap “Confirm”, it will push the update-package to the device.

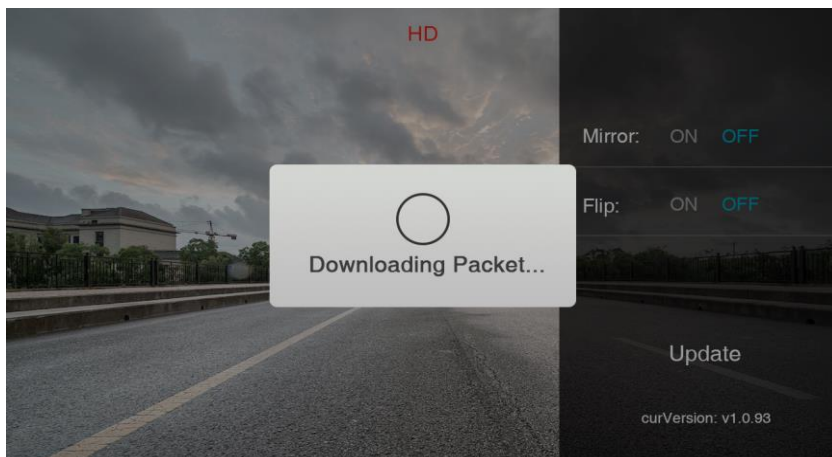


When the update-package is pushed successfully, a pop-up will prompt you to re-connect the app to the device after it reboots.



If external network is available, the APP will check if there is an update-package on the APP automatically.

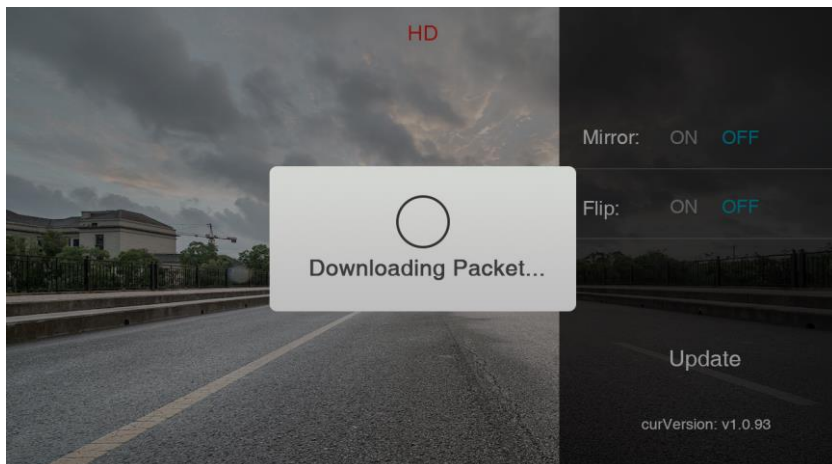
- If there is none, it will start downloading the update-package from the server.



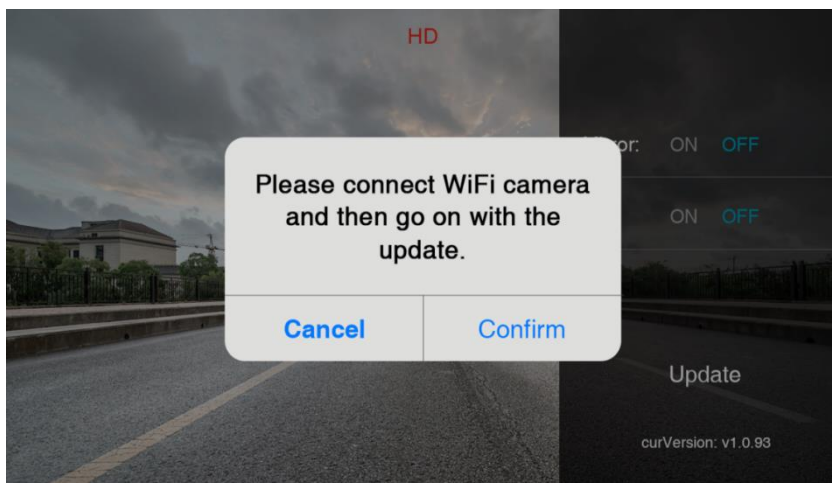
- If yes, the APP will check if the version on the server is consistent with the local one.

If it is consistent, the download will stop.

If not, it will start downloading the update-package.

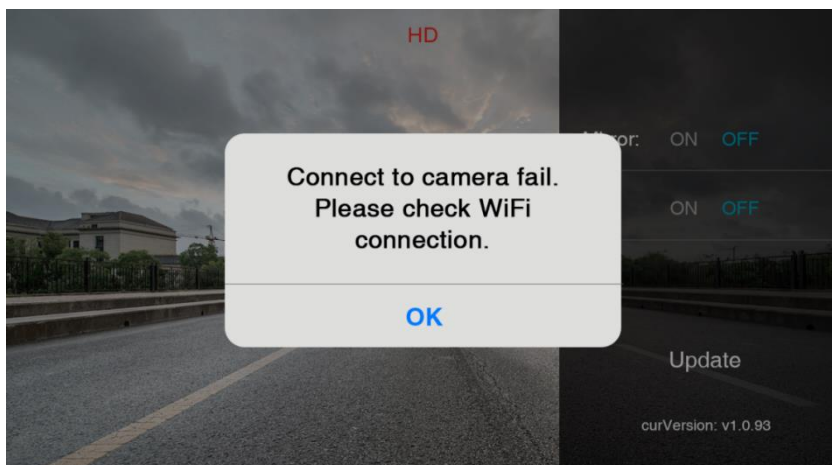


When the download is finished (or the version from the server is the same as the local one), a pop-up will show up to prompt you to re-connect the camera. If you tap “Cancel”, the update progress will end. If you want to continue the update, please reconnect the device and tap “Confirm”.

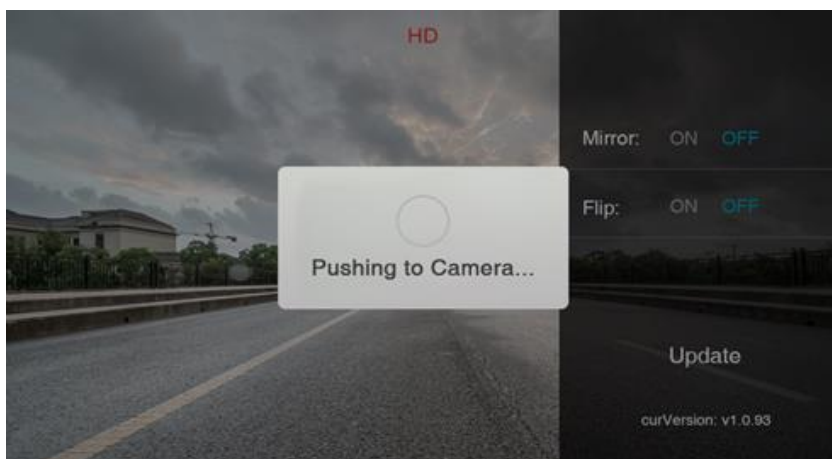




If the phone does not connect to the Wi-Fi of the device, the connection will fail.



If the phone is connected to the device successfully, it will start pushing the update package to the device.



After the update-package is successfully pushed to the device, a pop-up will show up as below:

Tap “OK” and re-connect to the device after it reboots.

