Technaxx®

IP–Security Camera for indoor usage TX-23 User Manual

This device complies with the requirements of the standards referred to the Directive **R&TTE 1999/5/EC**. The Declaration of Conformity you find here: **www.technaxx.de/** (in bar at the bottom "Konformitätserklärung"). Before using the device the first time, read the user manual carefully.
Service phone No. for technical support: 01805 012643 (14 cent/minute from German fixed-line and 42 cent/minute from mobile networks). Free Email: support@technaxx.de
If you drill a hole in the wall, please make sure that power cables, electrical cords and/or pipelines are not damaged. When using the supplied mounting material, we do not take the liability for a professional installation. You are entirely responsible to ensure that the mounting material is suitable for the particular masonry, and that the installation is done properly. When working at higher altitudes, there is danger of falling! Therefore, use suitable safeguards.

Important Hint regarding the User Manuals:
All languages of the user manual (english, german, french, spanish, italian, netherlands, polish) you find on the CD-ROM enclosed.
The english and german version of the user manual you also find as printed version enclosed.

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Before using the device the first time, read the user manual carefully.

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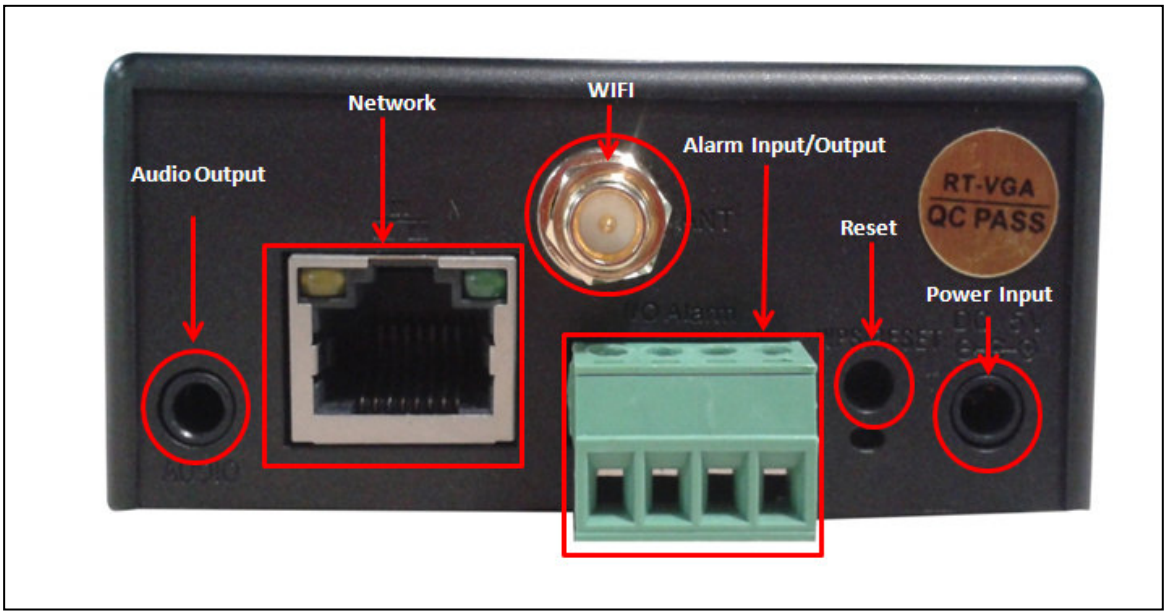
10. INSTALLATION MANUAL for Android / IOS Smart Phone

1. Features & Product Description

- Brilliant 1/4” CMOS colour sensor
- Video resolution: 640 x 480 VGA with 25fps
- Supports P2P function, easy to connect through internet
- Alarm function, automatic alarm E-mails with image
- Direct Smartphone connection via QR-code APP
- QR-code scanning from the camera label produces immediate connection
- 10 IR–LEDs and IR night vision up to 10m
- M–JPEG video compress format
- Built-in microphone
- Rotatable head of the camera: 120° vertically, 355° horizontally
- Supports 802.11.b/g/n wireless protocol

IP-Security Camera for indoor usage TX-23



Audio output
Network
WIFI
Alarm input/output
Reset
Power input

The camera ID and password are on the QR code label of rear panel.

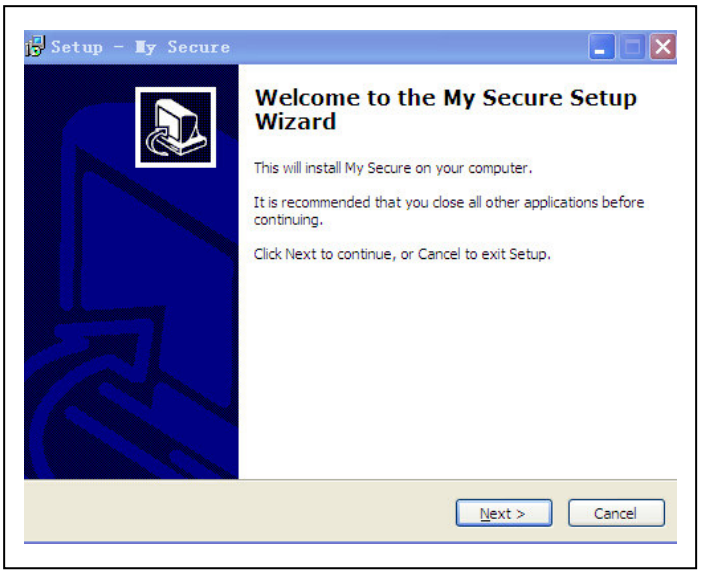
2. Software Installation and Commissioning

Windows Requirements: WIN 7, WIN 8, Win 8.1, Windows XP, Windows Vista

Hardware Requirements

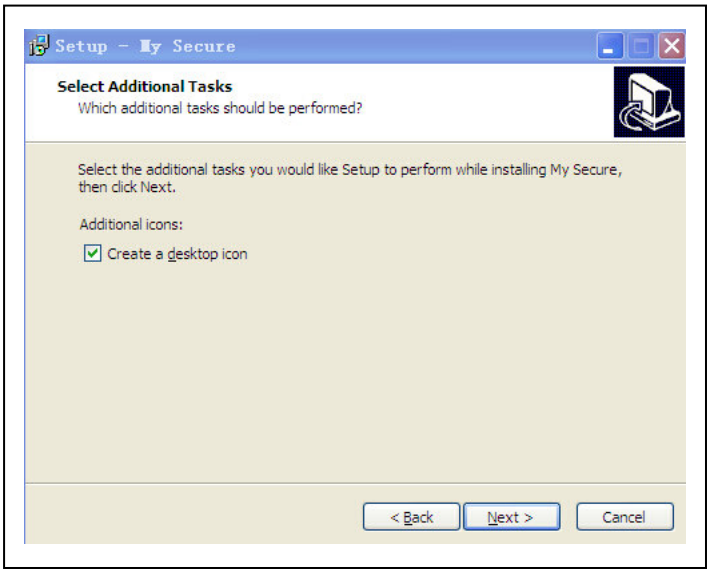
- 1GB RAM and 2 Core CPU for 1 camera at 1 time
- 2GB RAM and i3 or updated processor for 4 cameras at 1 time
- REMARKS: No matter how many cameras you'd like to connect, this software has no requirement for GPU (Graphic Processing Unit)

Insert the software CD into the PC drive (or download the software under: http://www.technaxx.de/support/index.php?cat=29&pro=4320)

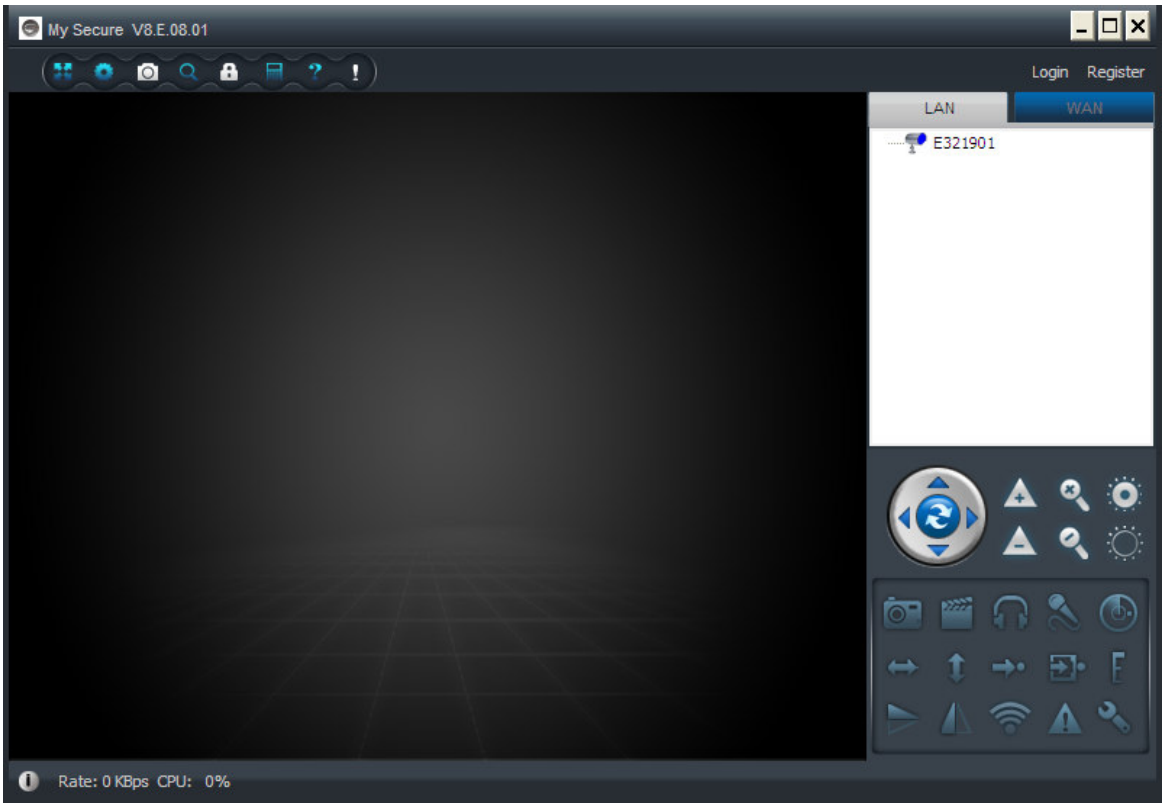


Opening the CD and start the program **"My Secure.exe"**

Continue click "Next" until the following steps were finished.



After installation finished, click below icon "**My Secure**" to run the software as shown.

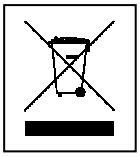


3. Hardware

3.1. Package Contents: IP-Security Camera for indoor usage TX-23, Power Supply, Network cable, Antenna and red cap for the antenna, Bracket and screws, Installation-CD with user manuals in **12** languages, User Manual (english and german version).

3.2. Hints !

Security and Disposal Hints for Batteries: Hold children off batteries. When a child swallowed a battery go to a doctors place or bring the child into a hospital promptly! Look for the right polarity (**+**) and (**--**) of batteries! Always change all batteries. Never use old and new batteries or batteries of different types together. Never short, open, deform or load up batteries! **Risk of injury!** Never throw batteries into fire! **Risk of explosion**!



Hints for Environment Protection: Packages materials are raw materials and can be recycled. Do not disposal old devices or batteries into the domestic waste. **Cleaning:** Protect the device from contamination and pollution (use a clean drapery). Avoid using rough, coarse-grained materials or solvents/aggressive cleaner. Wipe the cleaned device accurately. **Important Notice:** Should battery fluid leak from a battery, wipe the battery case with a soft cloth dry. **Distributor:** Technaxx Deutschland GmbH & Co.KG, Kruppstr. 105, 60388 Frankfurt a.M., Germany

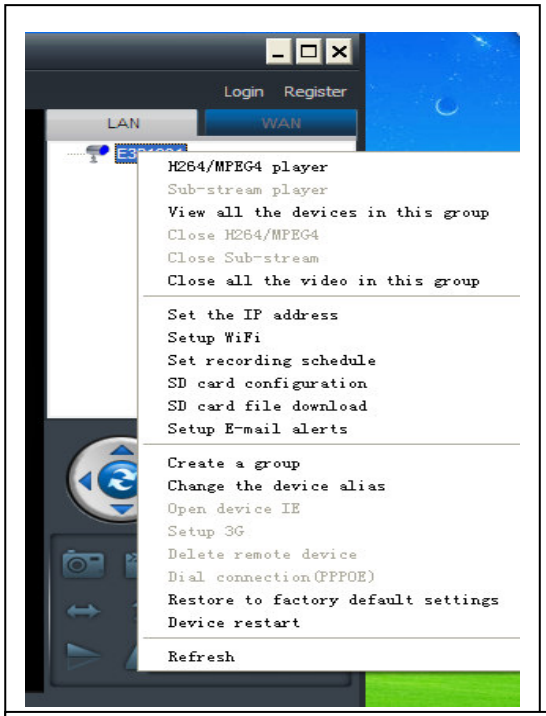
3.3. Attention !

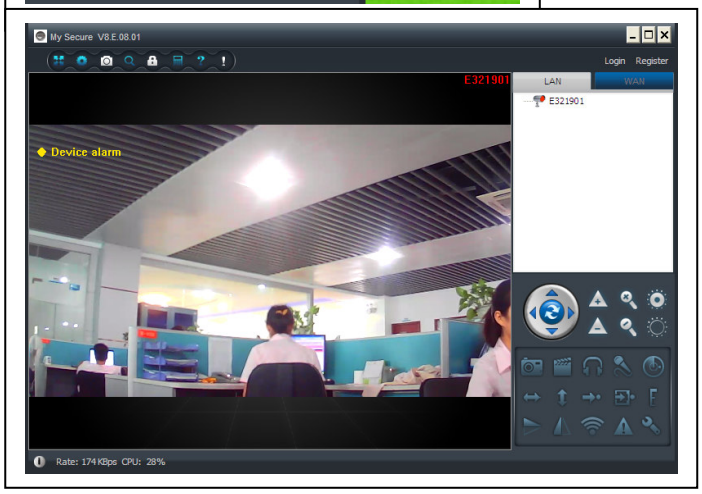
This device may only be operated with the supplied adaptor. Do not use or store the adaptor outdoor and do not operate the charger with moist or wet hands. Always remove the adaptor from socket if the device is not in use. Never open the device. The individual components of the device shall not be disassembled, repaired or modified. Unplug the device before cleaning or maintenance or connecting accessories.

4. Getting Started (learn basic function to view and video in LAN and WLAN)

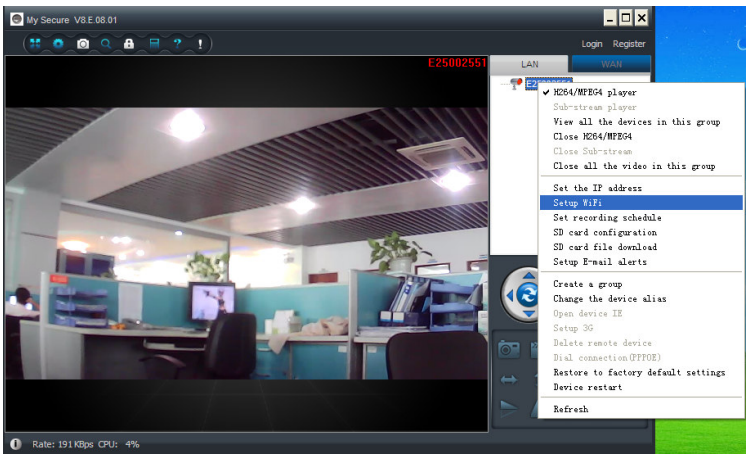
4.1. Video from a camera in the local network (LAN)

Make sure the camera was plugged in adaptor and connected with router via LAN cable first. Run **My Secure** and click “LAN” on the right list area, then right-click the blank area, a menu pops out similar to Figure, select "Refresh" to get the camera list in the LAN. If there is a camera, double-click the camera ID to view the live video. If popped out a prompt like “request camera video failure!", check FAQ for help.





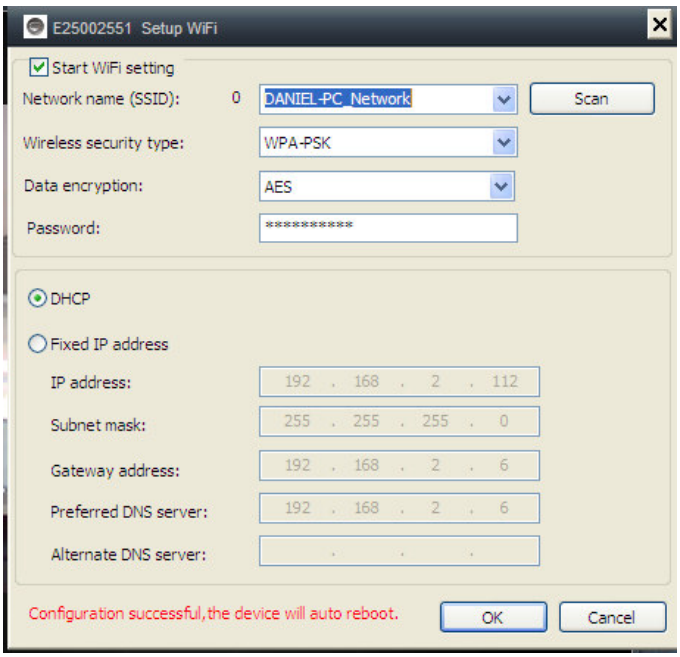
4.2. Set WIFI connection



(a) Right mouse click, then you see the device ID shown under LAN. Then select "Set WIFI" on the menu popped out.

(b) Set SSID (Wireless router name) / Password

(1) Enable "Start WiFi setting".
(2) Click "Scan" to choose the WIFI connection "Network name [SSID]" (it is your Wireless router name).
(3) Wireless Security Type & Data Encryption will be selected automatically after the right Network Name (SSID) is selected. Please here no manual changes!
(4) Input the WIFI connection "Password" and click "OK" to save.

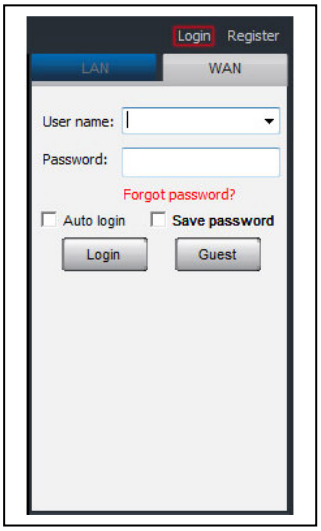


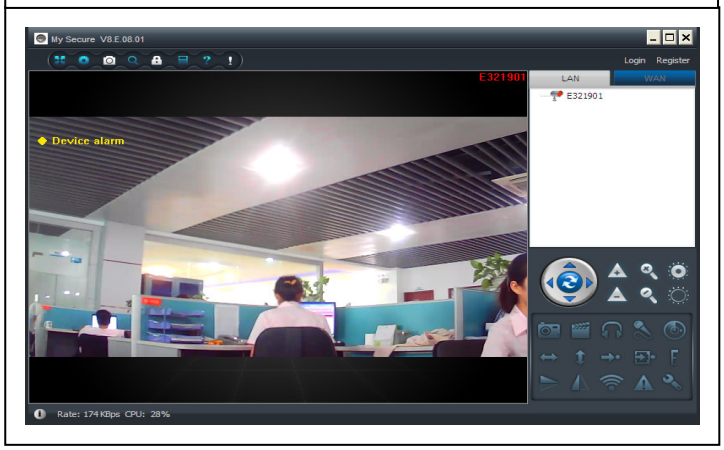
NOTE:

After saving WIFI settings the camera will restart automatically and then you can take off the LAN cable after the camera boots up successfully in 1–2 minutes and you saw the camera ID in BLUE under LAN.

4.3. View the camera on the Internet (WLAN)

Click "Login" in the area of the main list on the right, input "User Name" (Cam/ID User) and "Login password" and click "Login" button. The user name and password is on the label of the camera (see the picture below).
The User name is: Cam ID/User, and the Password is: Login password

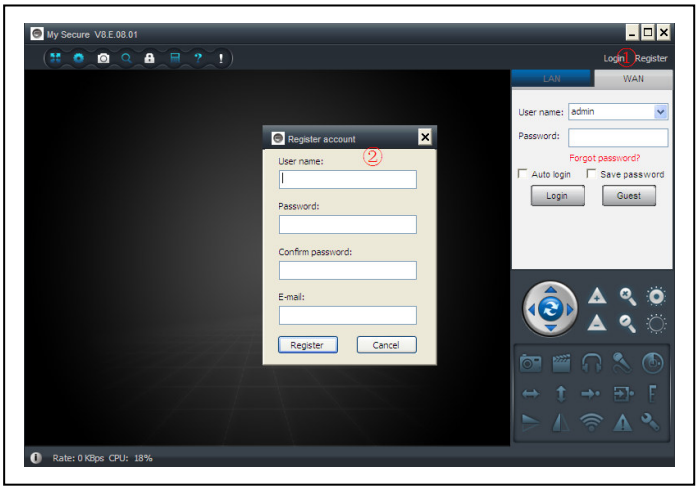


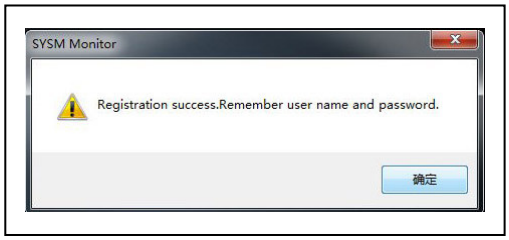


4.4. Register a new account and add devices

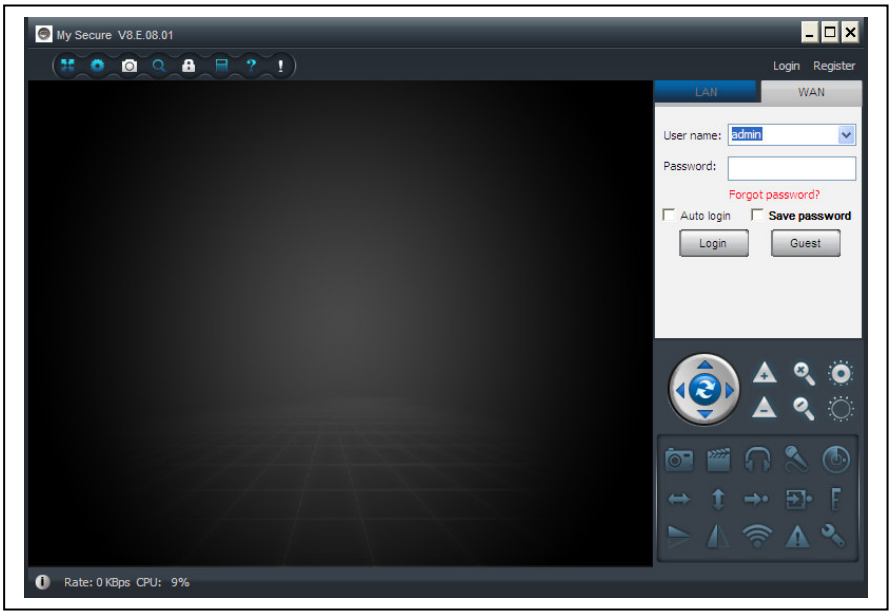
If you have many cameras, you also can register a new account, and add all cameras in the same account. In this case please insert the 4 digit number Access Code.

(1) Click “Register” and input user name / password /Email.

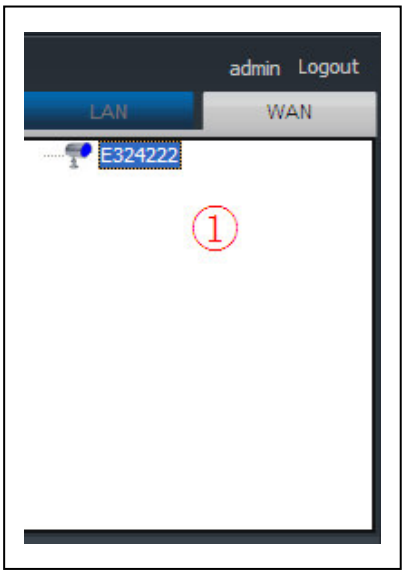


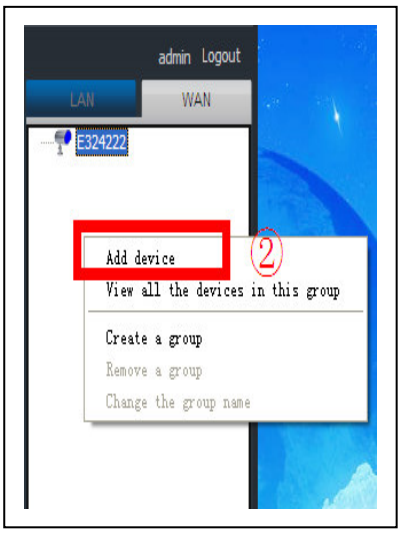


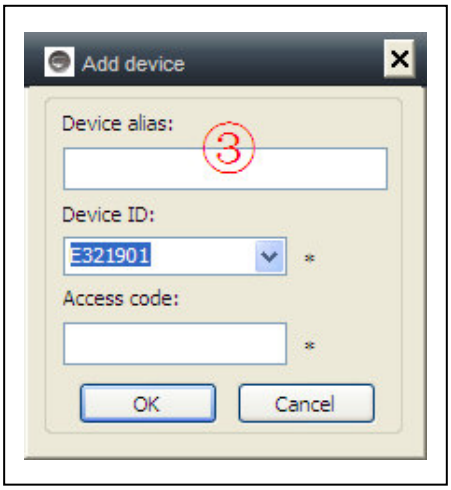
(2) Login in via the new account.



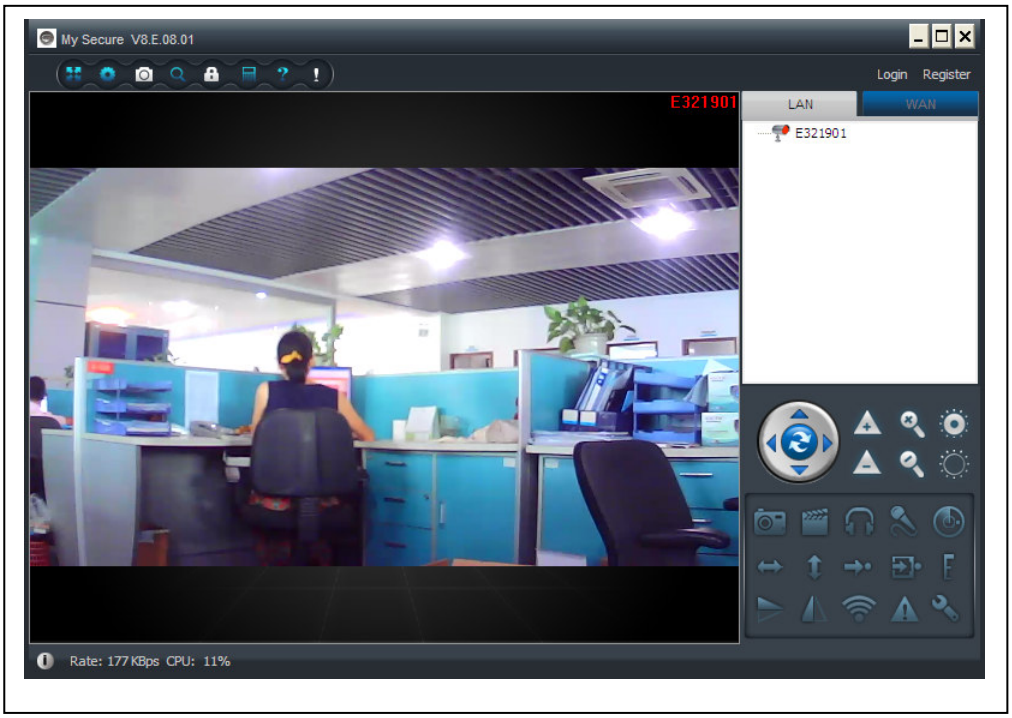
(3) Right click on the blank area, select “Add device” on the pop up window and input camera alias / Camera ID /Access password (it is on the label of the camera).







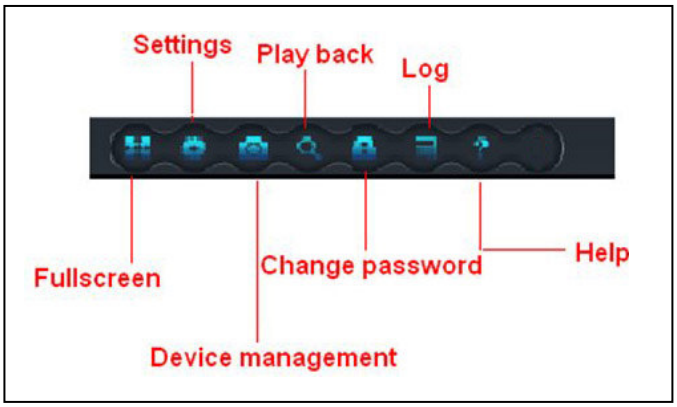
(4) Double click the camera name to view video

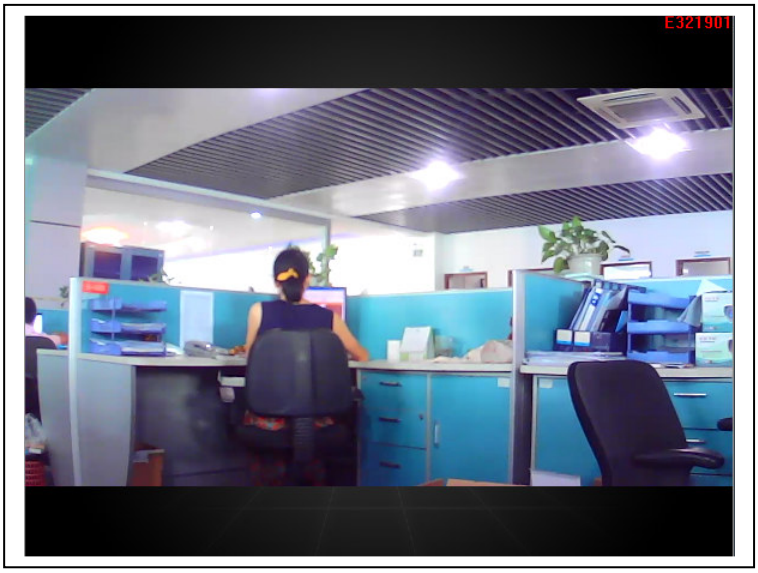


Attention: when the camera lighting RED, that means the camera is in use!

4.5. Main Menu

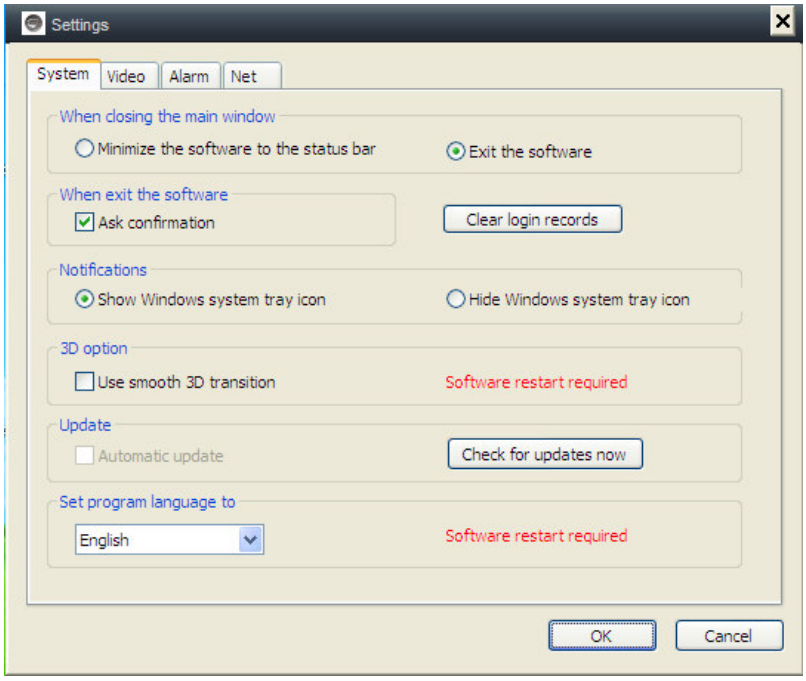
- Settings
- Play back
- Log
- Full screen
- Device Management
- Change password
- Help





(1)

Full screen: View video in full screen.

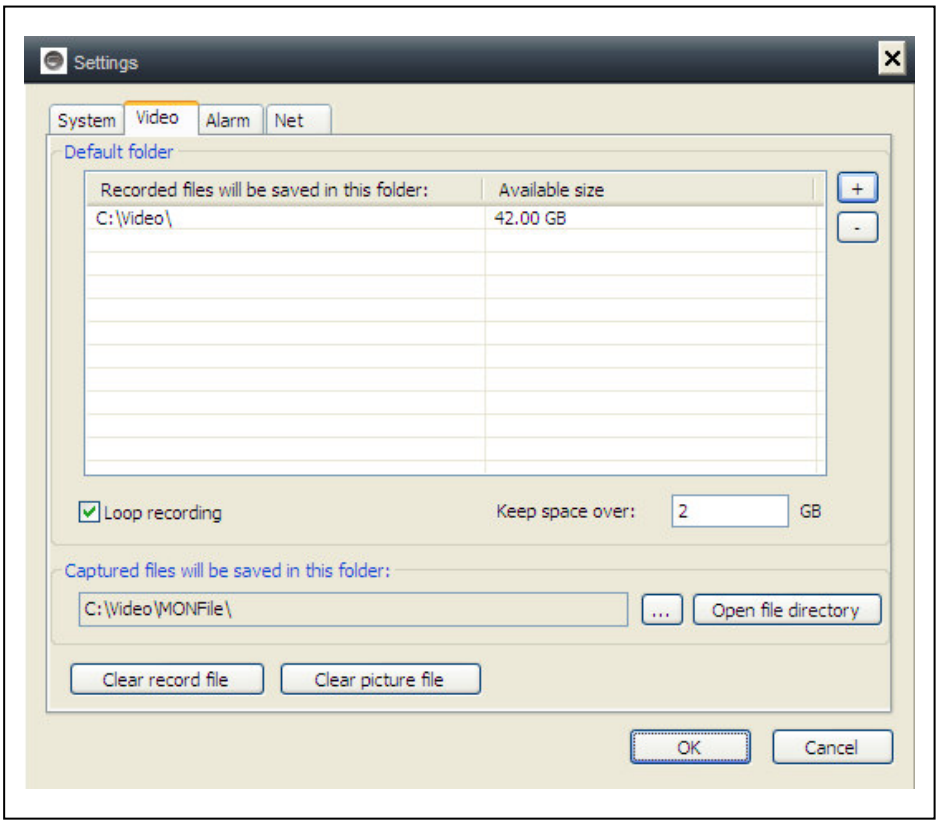


(2)

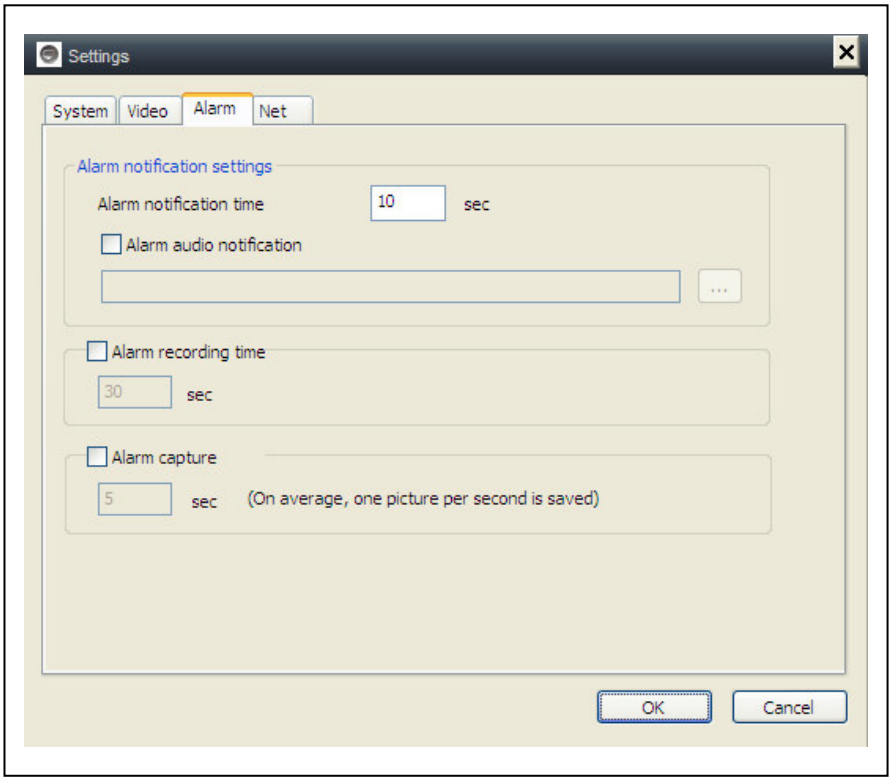
Settings: Set System, Video, Local alarm, Alerts, Net.

(a) System:
Set Program Language, Set 3D option, Notifications,Update
Please activate the 3D Option when you want to use Digital Zoom!

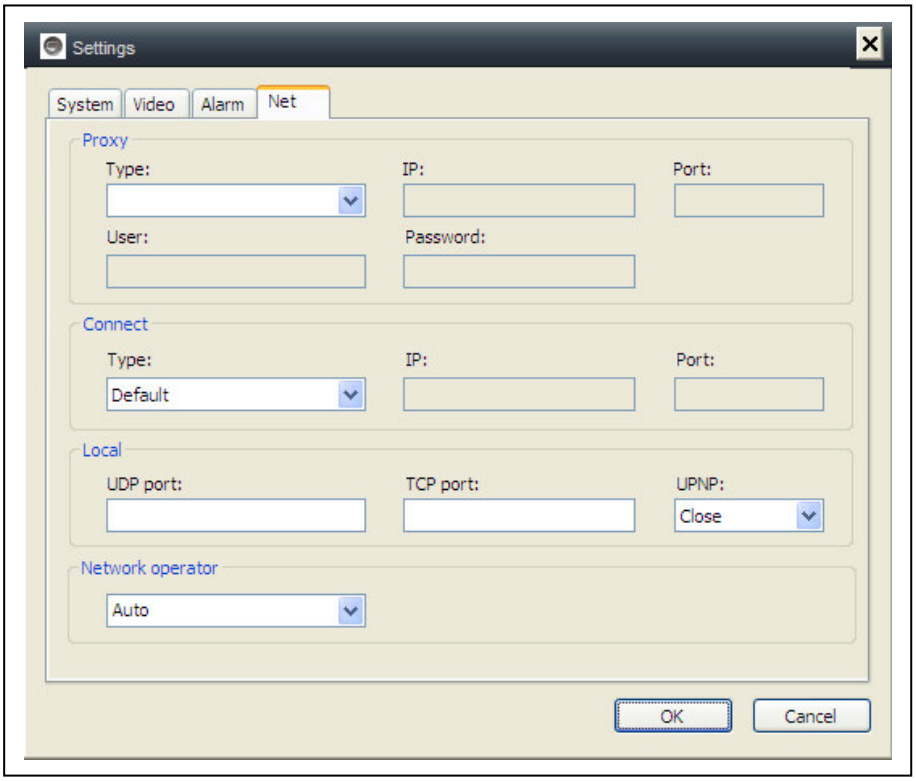
(b) Video: Set the folder of video recording and take picture / alarm view time



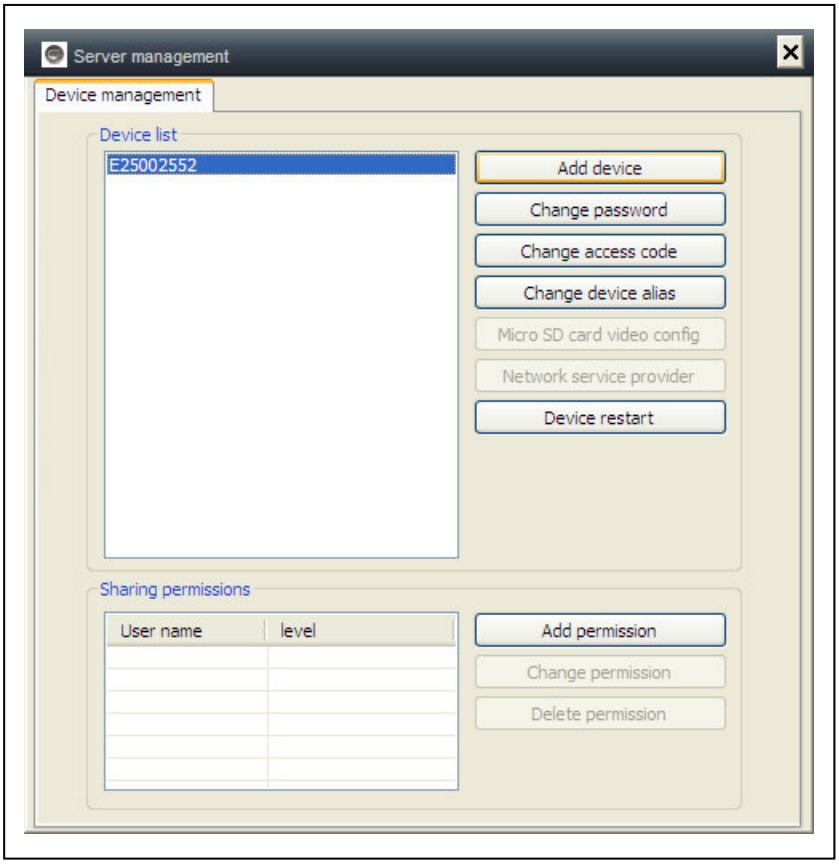
(c) Local alarm alerts: Set local alarm record time / capture time / alarm music.



(d) Net: Usually this is for development to test. Do not change anything.

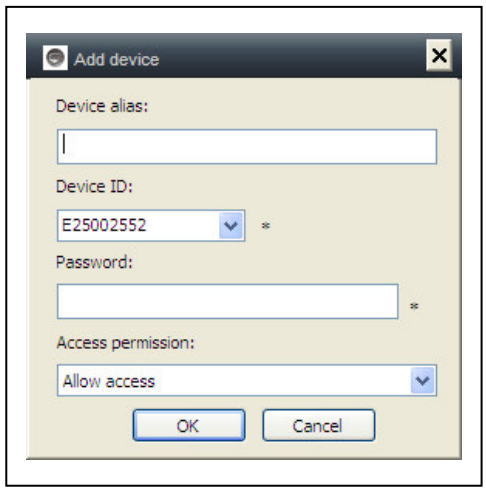


(3) **Device management:** Add device / change password /set permission



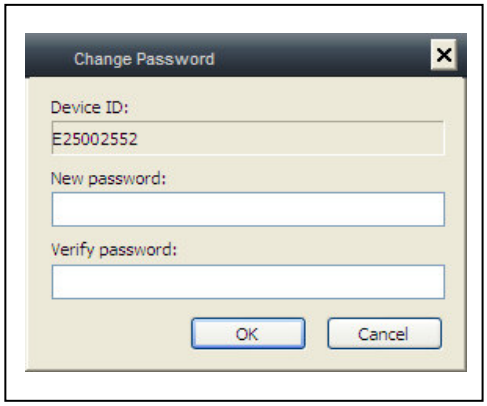
(a) Add device

Add other camera to this account.
This account will get the management authority.



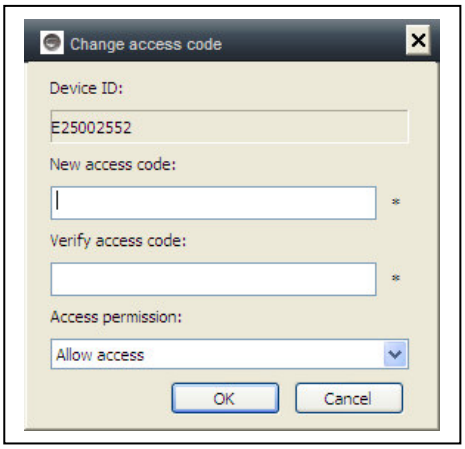
(b) Change password

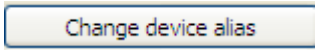
Change the device management Password.



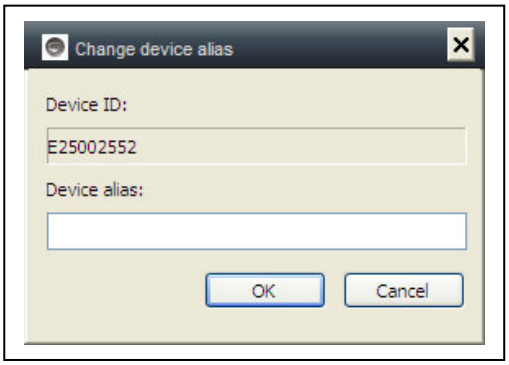
(c)

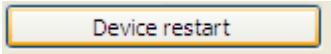
Change the device access code (watch password).



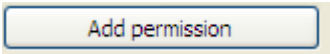
(d) 

Change device name.

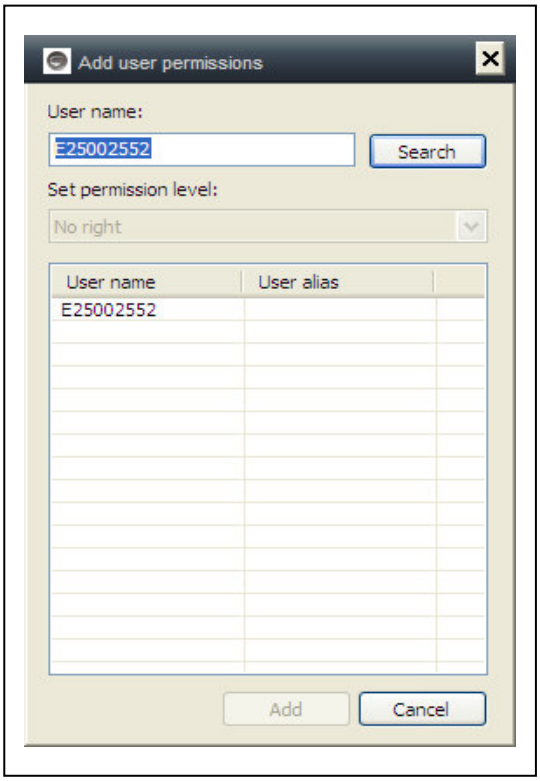


(e) 

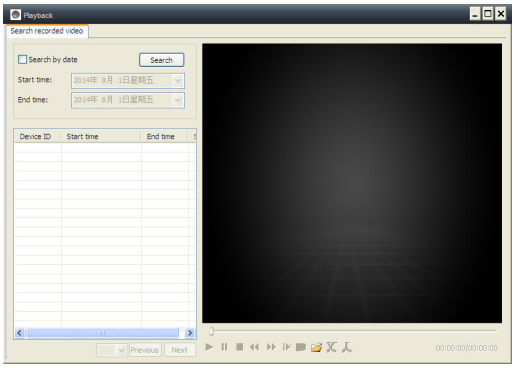
Restart the device remotely.

(f) 

Set permission.

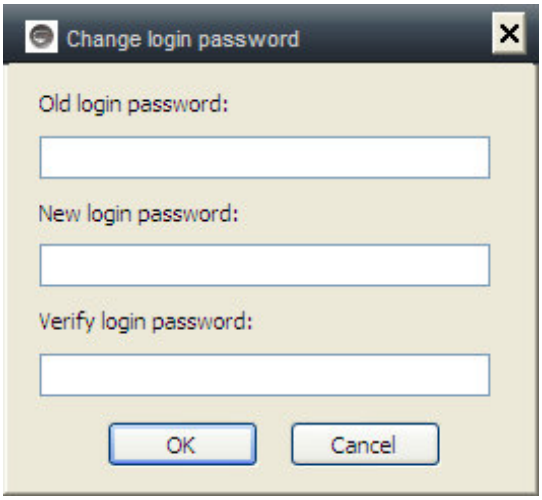


(4) **Playback:** Playback video on computer.

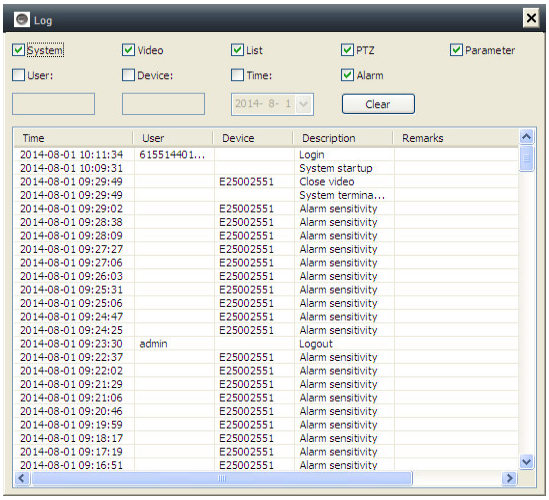


Attention: press 2x on the file you want to watch. It opens the window (see left). You press with right mouse at the display of the window and after this you can use the button displayed.

(5) **Change password:** Change login password.



(6) **Log:** Check system log.



(7) **Help:**

Software question and answer.

5. Video Surveillance (Control Panel)

CAUTION: some function is only for special camera!

(0) Cruise (ON/OFF): Set cruise on, the camera will auto move rotate.

(1) Optical zoom: control camera optical zoom +/-, only for the camera has optical zoom lens.

(2) Digital Zoom: software support 4x digital zoom

(3) Aperture switch: set camera aperture big or small

(4) Capture: snap picture

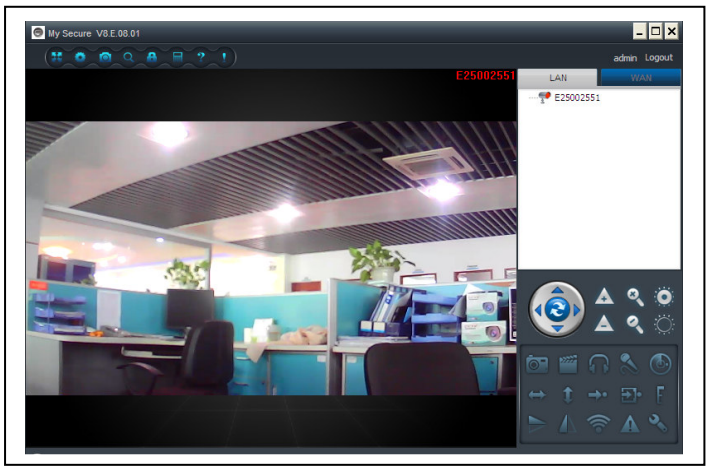
(5) Record: Record video on computer

(6) Listen: listen to the camera audio on computer

(7) Talk: talk with camera on computer

(8) Set motion detection area: set the motion area (only for cameras which support motion area, and for this TX-23 means the whole area!)

Set alarm sensitivity and set area (press left button and move to set area)



(9) Horizontal pan (ON/OFF): set camera auto rotate horizontally

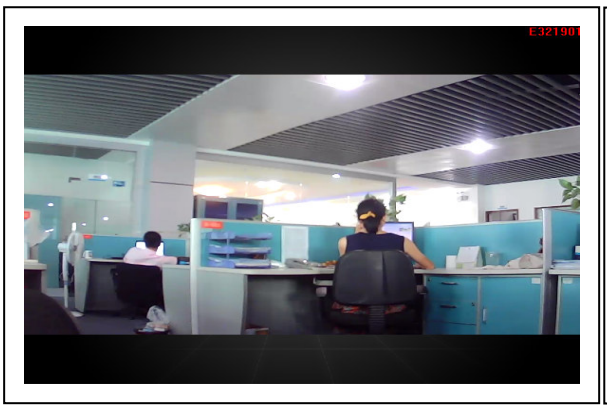
(10) Vertical tilt (ON/OFF0: set camera auto rotate vertically

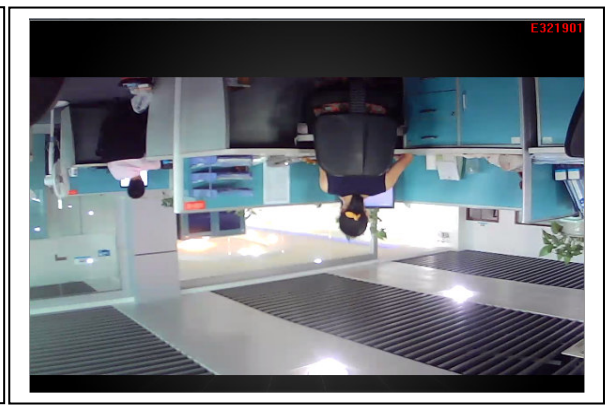
(11) Go to pre-set position: call the camera preset (1-8)

(12) Set preset position: set camera preset.(1-8)

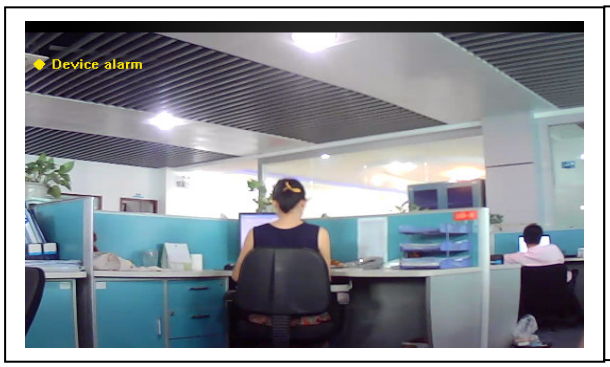
(13) Set PTZ speed : set camera rotate speed (1-10, 10 is fastest)

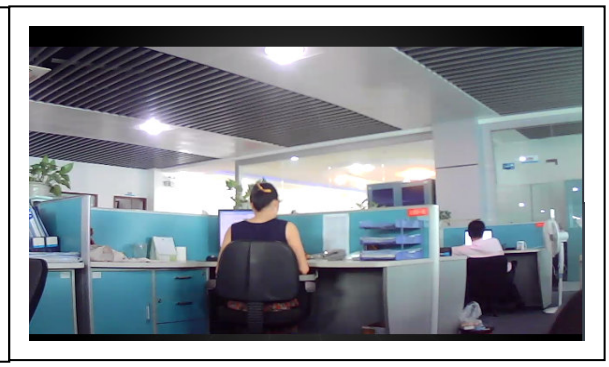
(14) Vertical flip





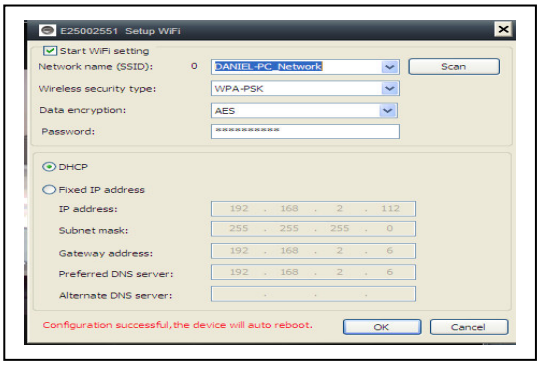
(15) Mirror





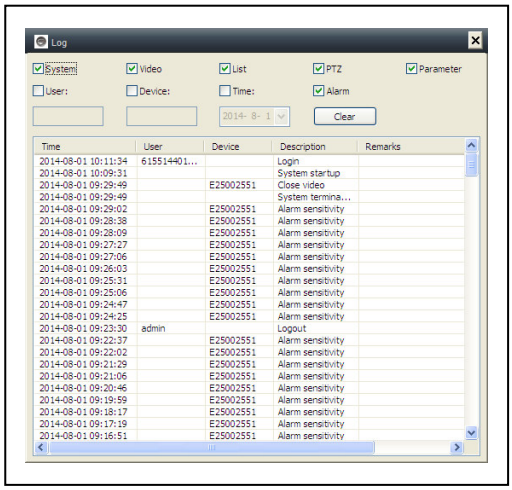
(16) Set up wireless:

Enable “ Start WIFI setting”, then click scan to search wireless router signal and select the right wireless router name, input password. After set WIFI, the camera will auto restart in 1–2 minutes.



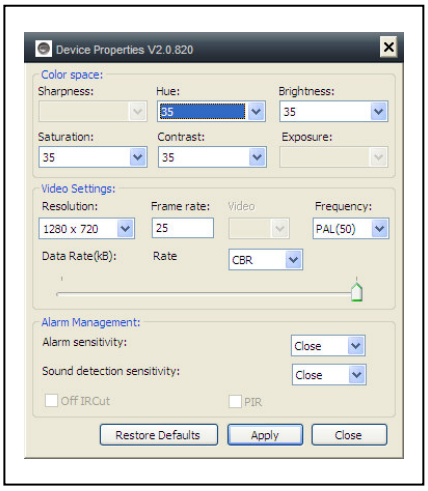
(17) Alarm log:

The camera alarm log



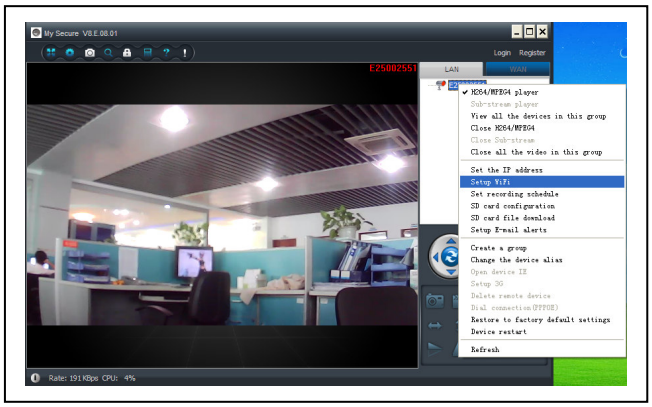
(18) Setting:

Set device properties



6. General System Settings

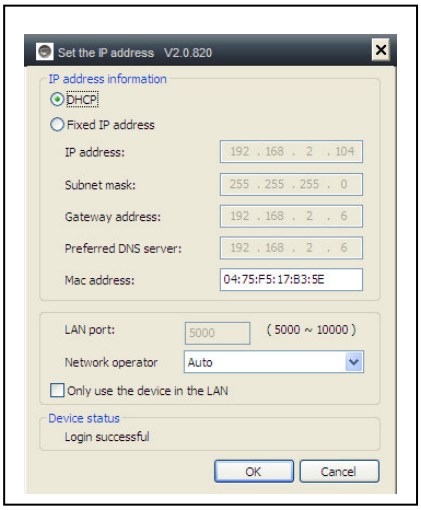
6.1. Camera Settings in LAN Mode



Run the **My Secure**, all the cameras will display in the LAN device list, double click the camera name to view the camera video. Right-click the device to set the camera parameter!

H.264/MPEG4 player (Better image quality)
Sub-Stream Player (Normal image quality)
View all the devices in this group
Close H.264/MPEG4
Close Sub Stream
Close all videos in this group

6.1.1. Set the IP address

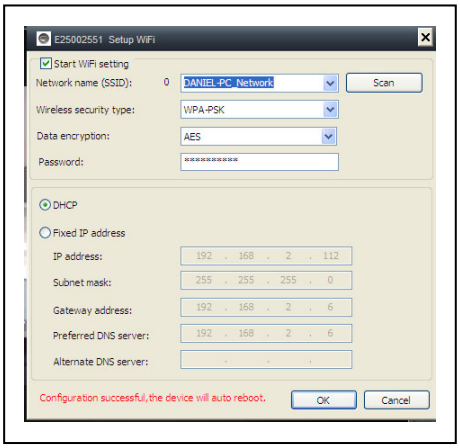


The default setting is camera use DHCP. Camera auto gets IP address from network router.

It is a easy way for normal customer who do not know how to set IP address manually.

6.1.2. Set WIFI connection

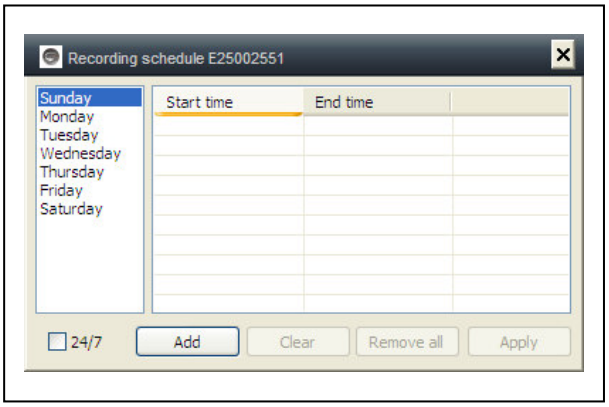
(refer to 4.2. WIFI connection)

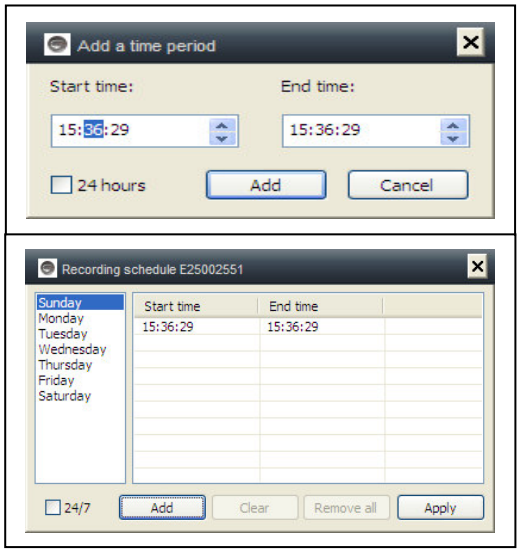


Activate the „Set WiFi Setting“ and press the button search. Select your “Router” Network Name and put the right password from your WiFi router. Here no more changes!

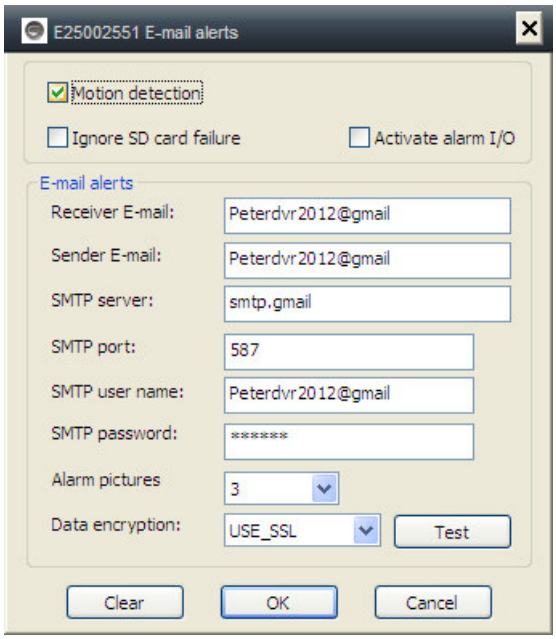
6.1.3. Set the local video plan

Press with the right mouse at the camera and select “Set the local video plan”.
Set local video record plan, the software will auto record the camera schedule on the computer after the **My Secure** is running, as shown below:
Enable “7*24” to record all the time from Sunday to Monday
Click “Add” to select the day it and set the start and End time for video recording
Click “Apply” to save the current video equipment plan settings.





6.1.4. Alarm alerts (Email)

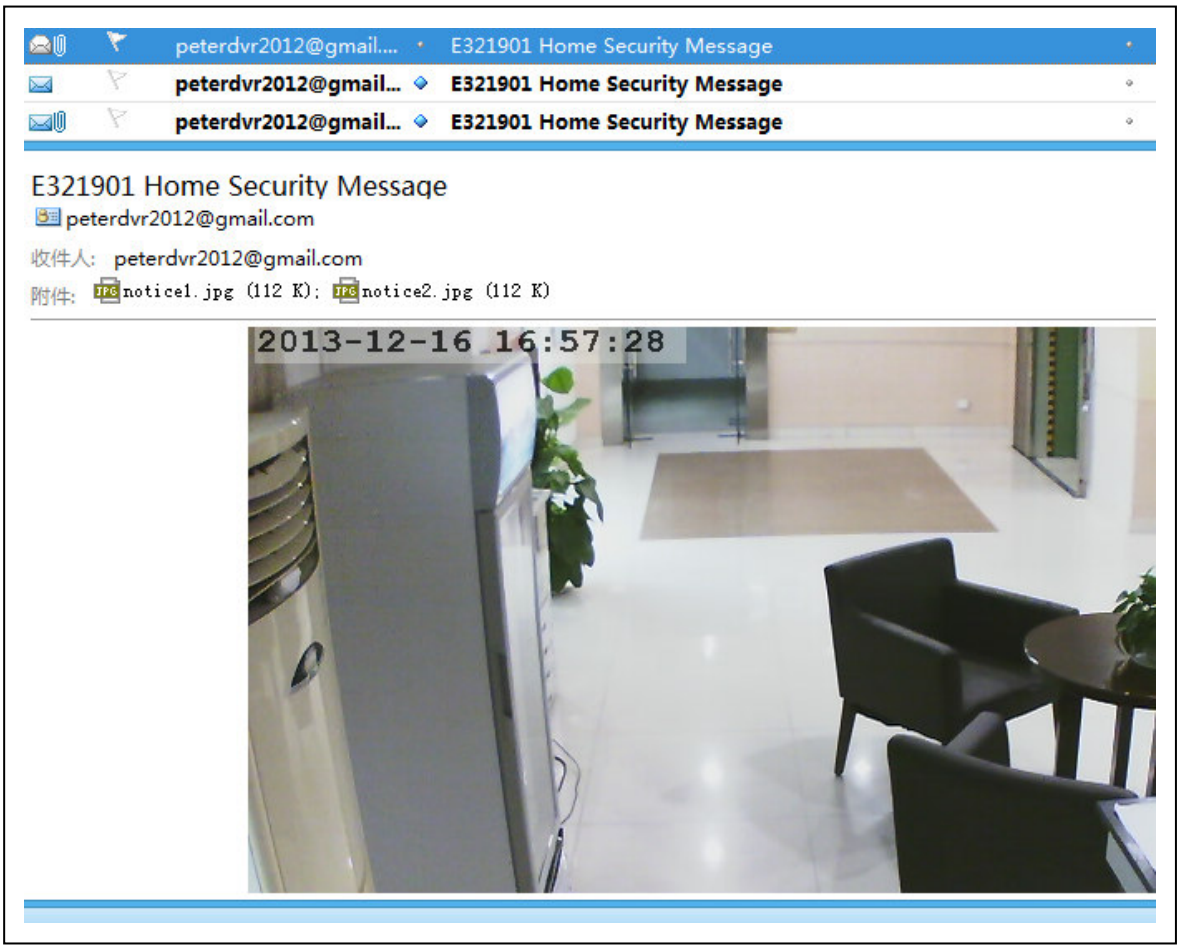


First enable the camera motion alarm function before setting the alarm alerts by Email.

Fill in the blanks of the pop-up window, click “OK”. The device will automatically take photos and sent them to the email you set. (For example: the SMTP port for Gmail is 587; Yahoo use 465).

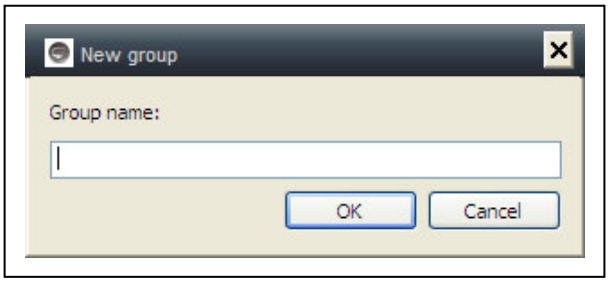
Alarm pictures: picture No. you want to the camera to snap.

Data encryption: To set the data encryption format depend on the email box supplier.(Gmail use TLS; Yahoo use SSL)



6.1.5. Groups

(1) Create a Group: Right click the camera ID and select “Create a group”. Enter a name for the group in the pop-up interface.

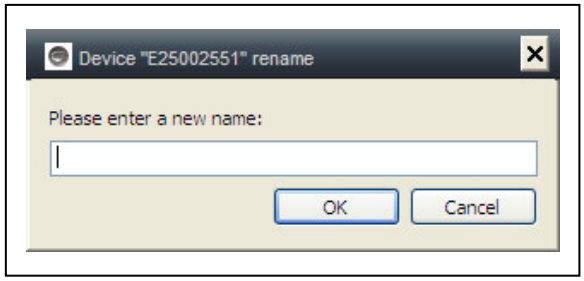


(2) Delete a Group: Right click the group name and click "Delete group" to display the pop-up box.

(3) Add the camera to the appropriate group: Select the camera ID, hold down the left mouse button to drag the camera to the group, and then release the left mouse button.

6.1.6. Change the device alias

Set a name that easy to remember for LAN camera. Right-click the camera ID and select “Change the device alias” to set a new name for the camera, as shown.

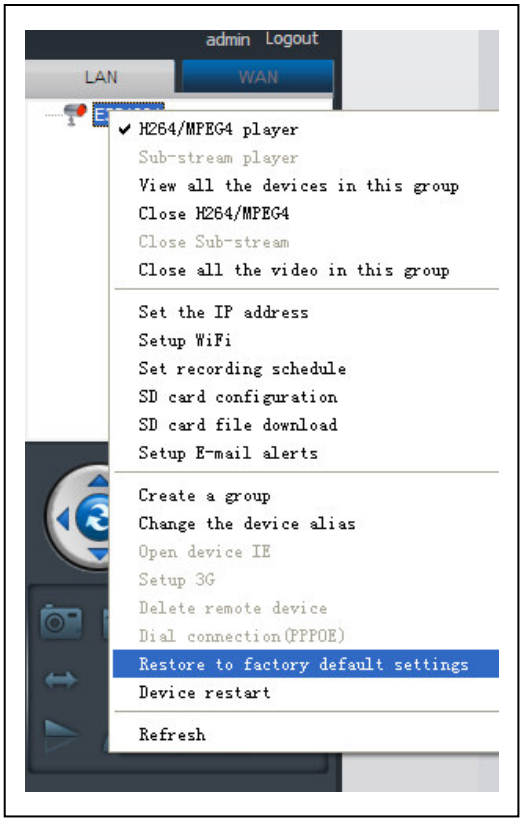


6.1.7. Restore default setting

Right click the camera ID and select “Restore the default setting”, as shown:

REMARKS: Login password, watch password, and the parameters of the device like camera system, language, video parameter, will be restored to the factory setting. All those settings previously saved will be lost.

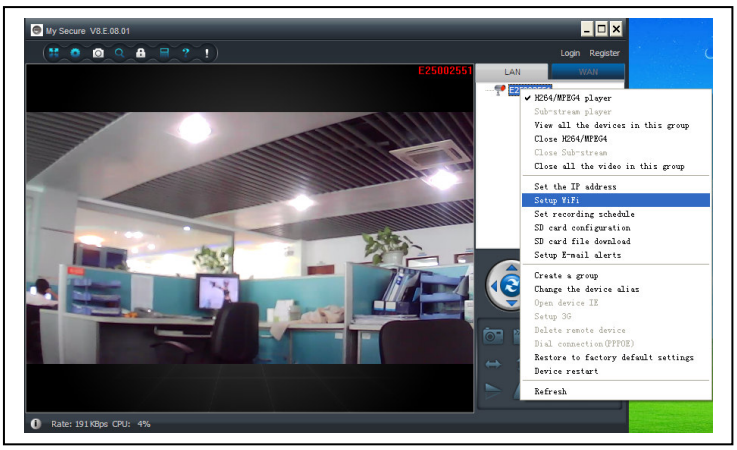
The manager for the device will not be changed back to the default manager.



6.2. Camera settings in WLAN mode

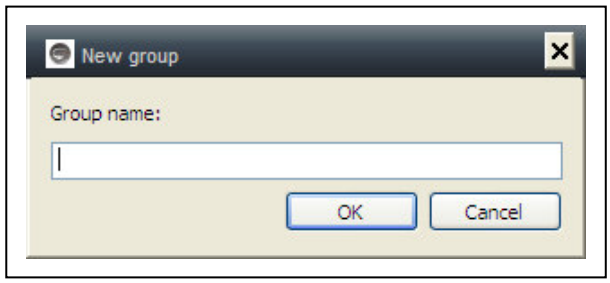
Login in the **My Secure** via the camera ID (or new registered account) and password.

. H.264/MPEG4 player
➔ (better image quality)
. Sub-Stream Player
➔ (Normal image quality)
. Close H.264/MPEG4
. Close Sub Stream



6.2.1. Groups

(1) Create a Group: Right click the camera ID and select “Create a group”. Enter a name for the group in the pop-up interface.

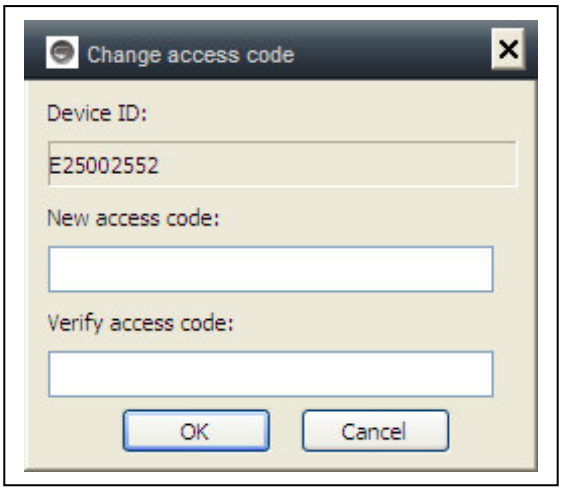


(2) Delete a Group: Right click the group name and click "Delete group" to display the pop-up box.

(3) Add the camera to the appropriate group: Select the camera ID, hold down the left button to drag the camera to the group, and then release the left mouse button.

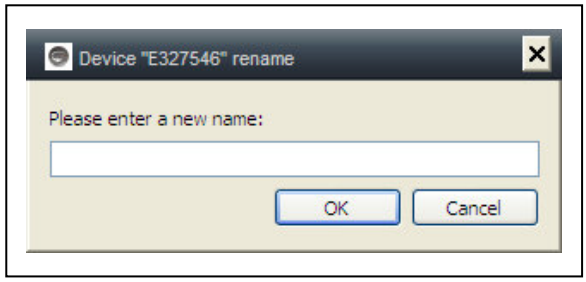
6.2.2. Change Access password

After successfully login in, right-click on camera ID, select “Change access code”, as shown:



6.2.3. Change the camera alias

Set a name that easy to remember For LAN camera. Right-click the camera ID and select “Change the device alias” to set a new name for the camera, as shown.



6.2.4. Relationship between My Secure, p2pCamViewer (MAC), My Secure

There are different kind of software can be used in the IP camera:

(1) My Secure: for Windows PC users

(2) My Secure: for Smartphone users like Android and iPhone.
Users can use different software above to see video from one IP camera.

NOTE: modifications on one IP camera through different software are simultaneous. In order to prevent disorder among modifications on different devices, we suggest each user should register one account for surveillance management only.

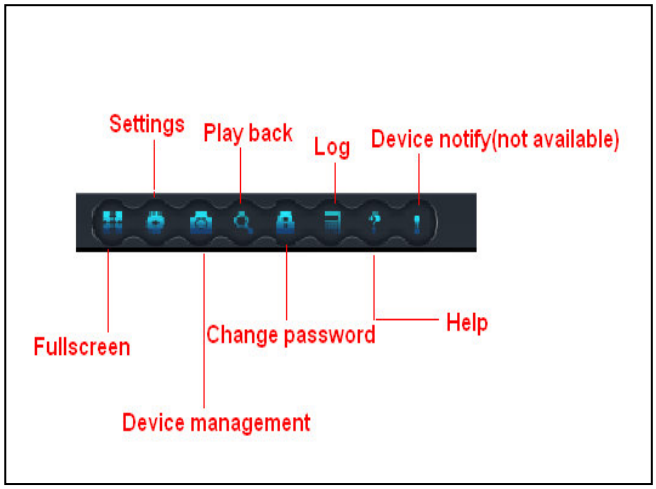
(3) QR-Code:
Except for logging in with the ID number and password on the sticker, users can also login automatically by scanning the QR-Code on the sticker.

After clicking the "Scan QR Code" on the Smartphone the scanning of the ID number and password starts automatically.

Once the scanning is correct and finished, the live video will come out automatically on the Smartphone.

7. Settings on the Main Menu

Settings
Play back
Log
Device notify (not available)
Full screen
Device Management
Change password
Help



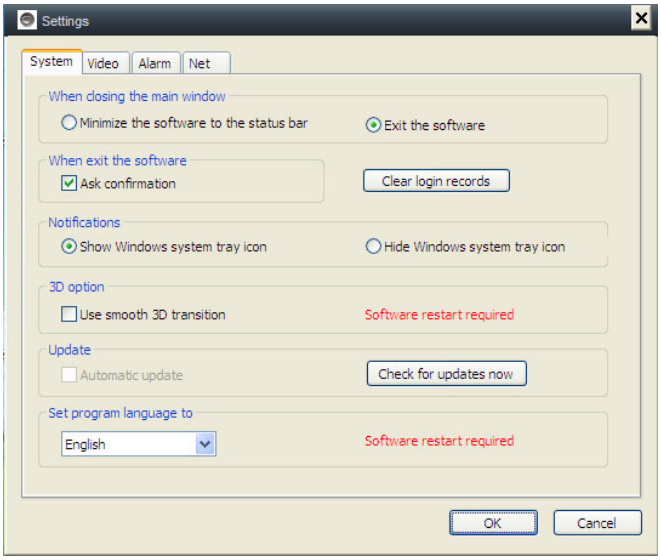
7.1. Full Screen

Live video in software will be in Full screen after click button “Full screen”. To exit the Full screen please click the button in the screen top right hand corner or “Esc” in the keyboard.

7.2. Settings

In “Settings”, user can do the setting for System, Video, Local Alarm Alerts and Net.

7.2.1. System

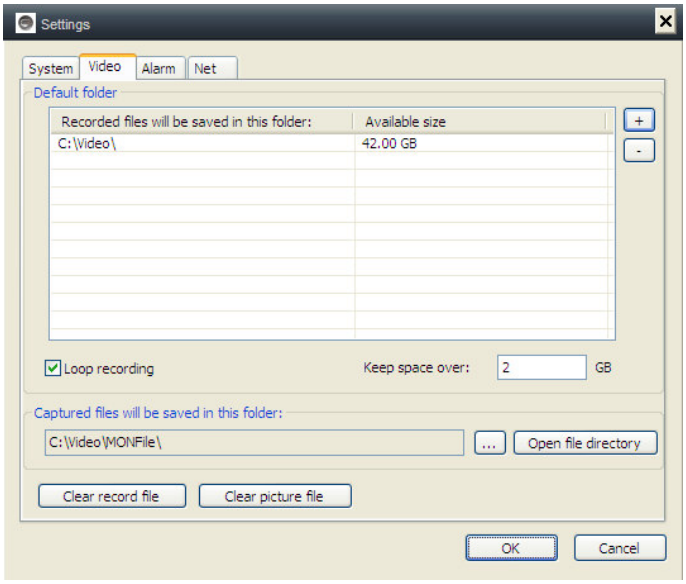


User can do the setting for “When closing the main window”, “Exit software”, “Notification”, “3D option”, “System Upgrade” and “Set program languages” by this page.

Remind to use “3D option” and “Set program languages to” will only be activated after restart the software.

7.2.2. Video

Default folder for capture and video recording can be set on this page.



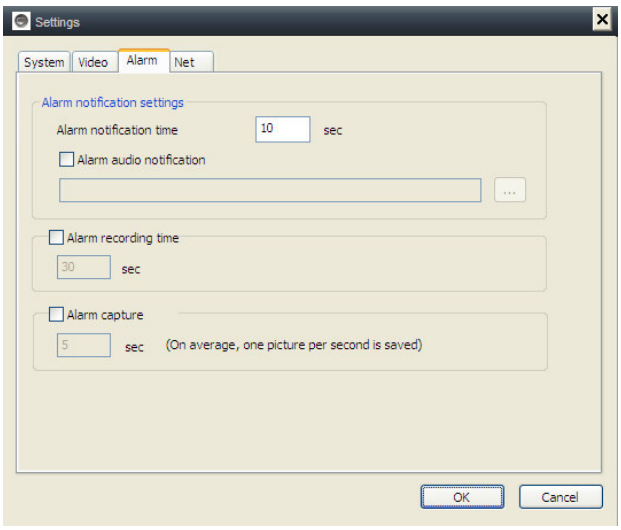
The new video file will cover the old record by setting "Loop recording" if the hard disk space is not enough for video storage, user can assign the minimum available hard disk space in the PC by setting "Keep space over"

(The default setting of software is 2 GB).

"Alarm view time" means the duration showing the "Device alarm" message the top left corner when the motion detection alarm is activated. "Clear record", "Clear picture file" and "Clear login record" also can be done by this page.

7.2.3. Local Alarm Alerts

Before setting the Local Alarm Alerts, complete the setting on motion detection area. To learn about the setting of motion detection area, refer to No. 5. "Video Surveillance" (8) Motion detection area".

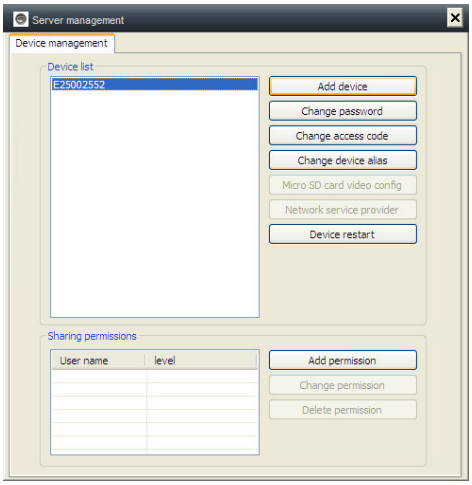


Click "Settings", and choose "Local Alarm Alerts" setting, as shown.
Local alarm record: Tick the box and set the "Alarm record time". Camera will start to record after the set time reached
Local alarm capture: Tick the box and choose the alarm time interval when snap.
Local alarm music: Tick the box to set the audible alarm music you like Click OK to confirm setting.

7.3. Device Management

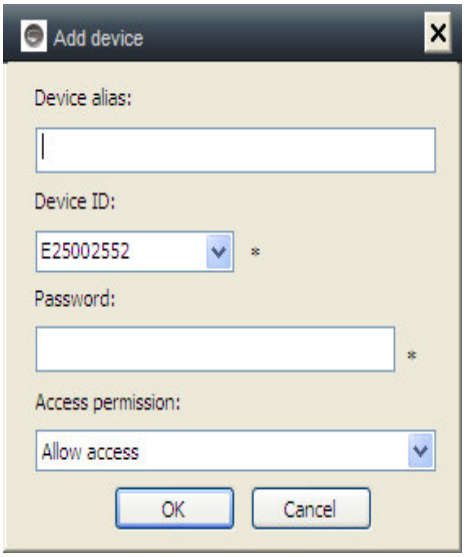
Device management function is used to manage the permission for different device and different user. Before starting the device management, make sure you login with your account which you registered.

7.3.1. Add device



Input:

Device Alias
ID Management
Password
Watch password
Set watch permission

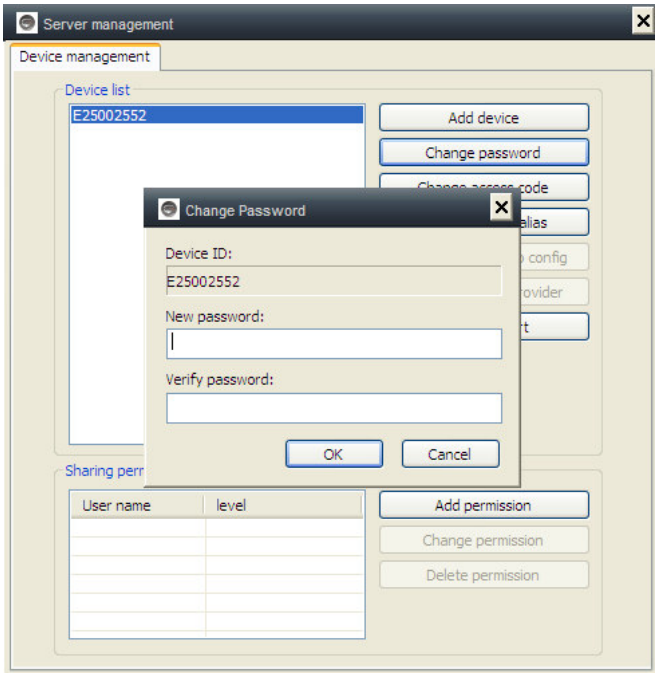


REMARK:
Default management password and watch password equal to the device login password and Access code on the QR code label.

IMPORTANT:
Default Manager (User) for the camera is Cam ID / User on the camera label. Manager position will be changed to other user if other user clicking in the "Device management" with the correct management password (Login/ password on product QR code label). One user can be the manager for more than one device.

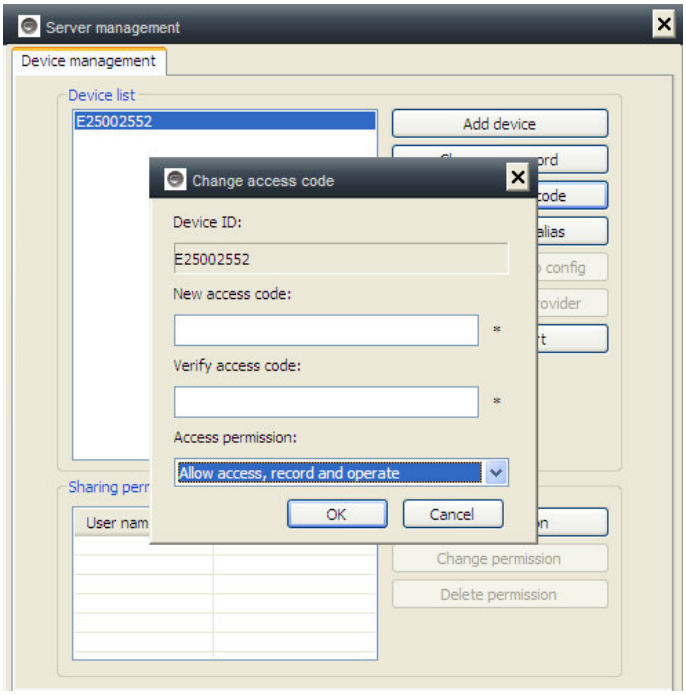
If user forgets the password, click the restore button **(Refer to Section 6.1.11. "Restore the default settings")** and password will change back to the original password.

7.3.2. Change management password



Input the new management password (Equal to the login password in the QR code label), the new password will replace the login password of device on QR code label.

7.3.3. Change watch password

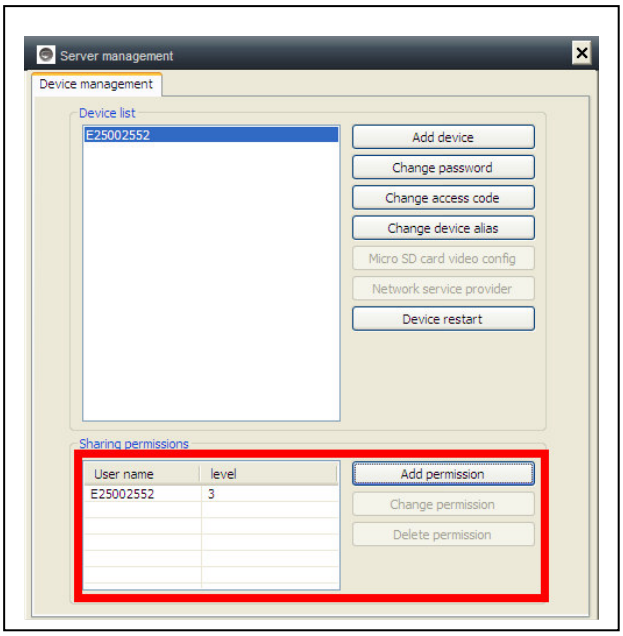


Input the new watch password (Equal to the Access code in QR code label) and set the watch permission, the new watch password will replace the Access code on QR code label.

7.3.4. Restart the device

Click the button to remotely restart the device.

7.3.5. Permissions Setting

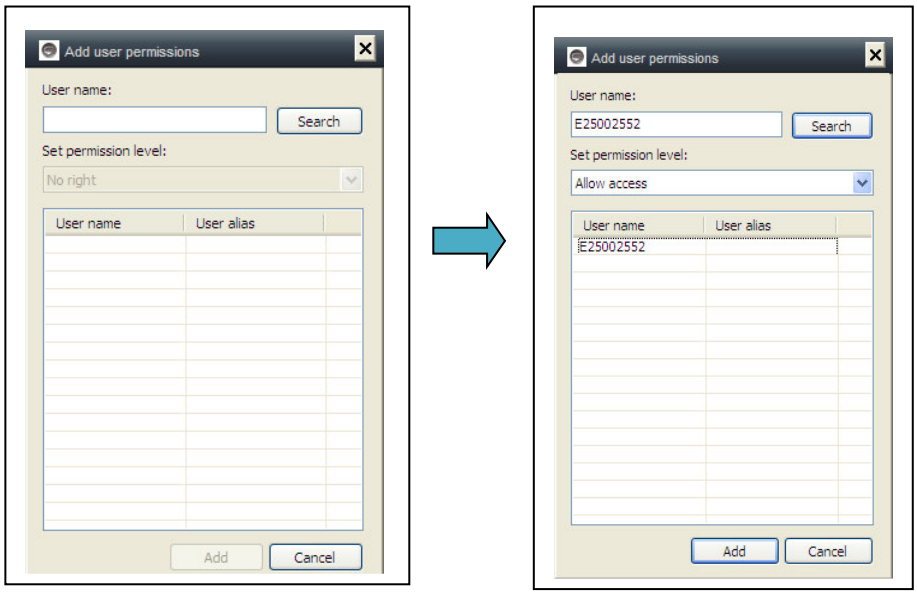


This camera is private and protected, to limit the activity for registered user.

Management can assign different permission level to different user.

To set permission for different user, follow the steps below.

Add permission: Input the user name and search, then select the user name and set permission levels.



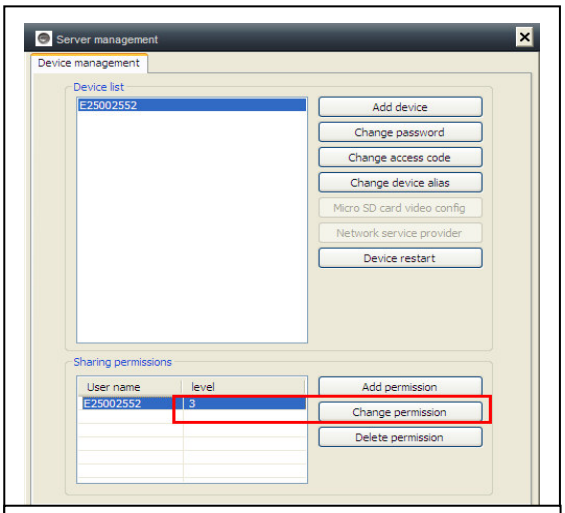
Change permission: Select the user name and click “Change Permission”, then select the level by “No right”, “Allow watch”, “Allow watch and record” and “Allow watch, record and operate”.

No right: Users are not allowed to watch the live video, unless they know the watch password.

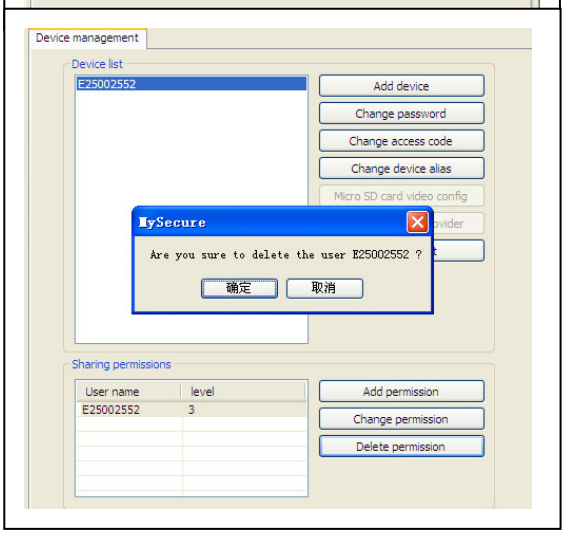
Allow watch: Users are allowed to watch live video.

Allow watch and record: Users are allowed to watch, capture and record live video.

Allow watch, record and operate:
Users are allowed to watch live video, capture and record live video, and change system settings, to control PTZ.

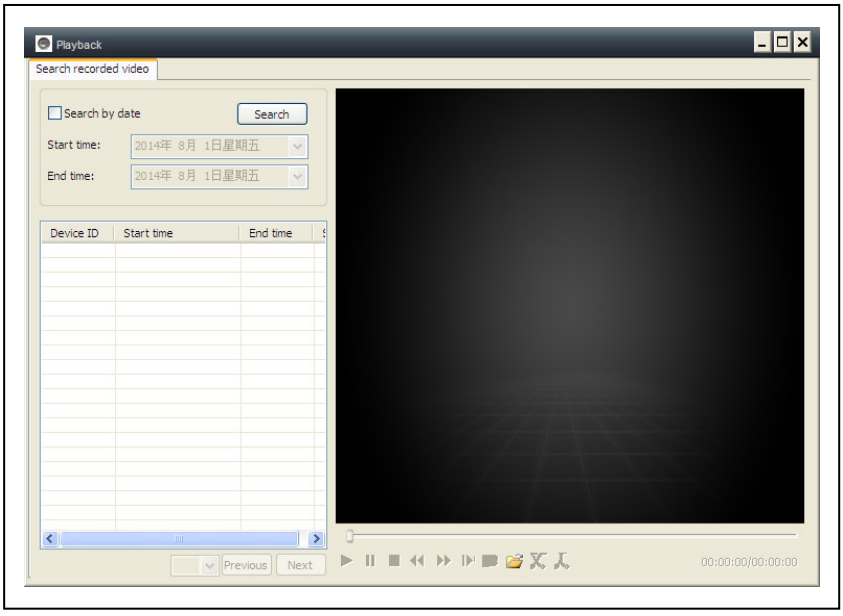


Delete permission:
If the user name is deleted, user will have the permission to watch IP camera if the user knew the watch password (Access code).



7.4. Search

According to recording time of the query video recordings on the local computer, double-click the video file to playback. **NOTE:** Video playback support for pause, slow down, fast forward, drag the progress bar and other operations.

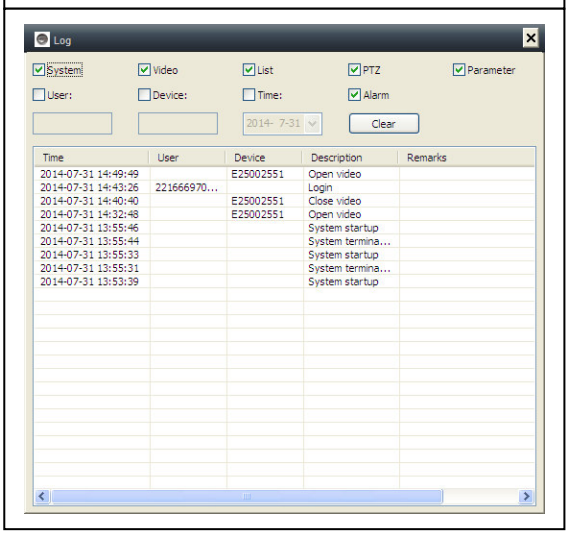


7.5. Change password (User login password)

When login successfully, you can click "Change Password" button on the menu Bar, pop-up window, input the original login password and new password.

7.6. Log

User can check the Log History by clicking on the “LOG” icon.

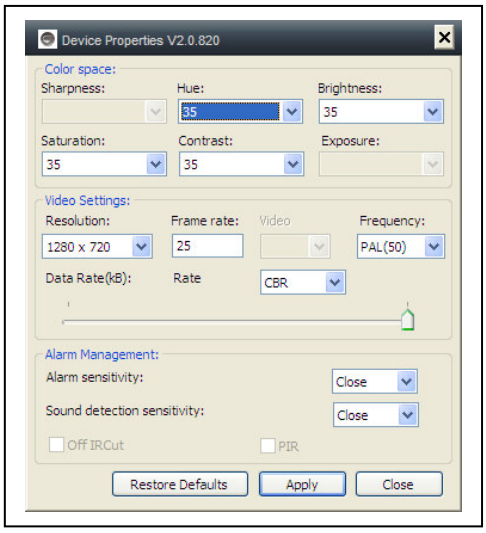


7.7. Help

User can check the user manual by HTML format by clicking on the “Help” icon on top left main menu.

8. FAQ (Frequently Asked Questions)

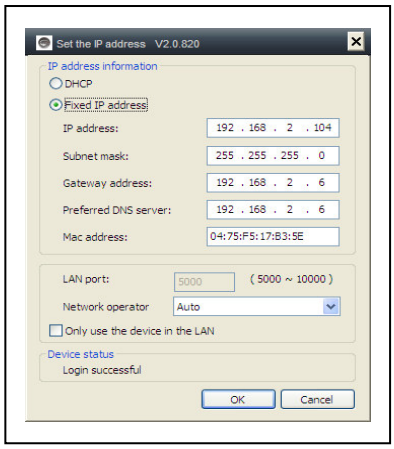
8.1. Video delay: There are three factors which will cause video delay: upload speed, PC download speed, and image resolution. If the issue happens on the PC client, generally, you can click “Settings” as below to adjust the resolution to QVGA (320 x 240). If it also does not work, please check the other two factors.



8.2. LAN cable should not be too long

If network cable is too long, the signal will be weakened and cause disconnection. Any network fault on PC client or IP camera will cause video disconnection.

8.3. Cannot visit the IP camera in LAN



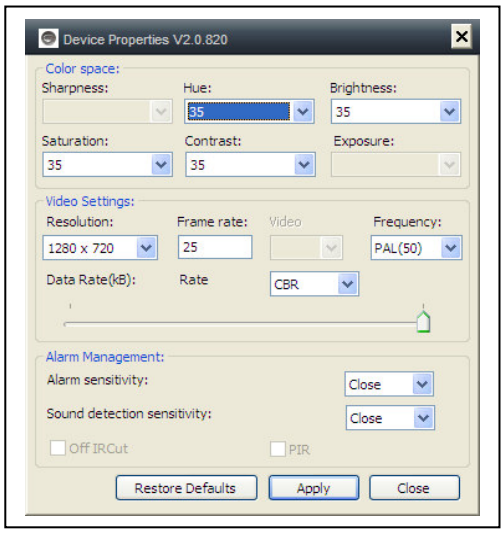
1. Check whether the network cable is connected ok.

2. Right mouseclick on LAN and select “Set the IP address”. Normally the device will automatically get an IP address. If not, you have to set manually the same Subnet IP address for the device.

8.4. Can visit the IP camera in LAN, but cannot view it on WLAN

When camera can be viewed on LAN, but cannot be viewed via WLAN, usually because the device gets wrong IP address. Try to set DHCP for the device

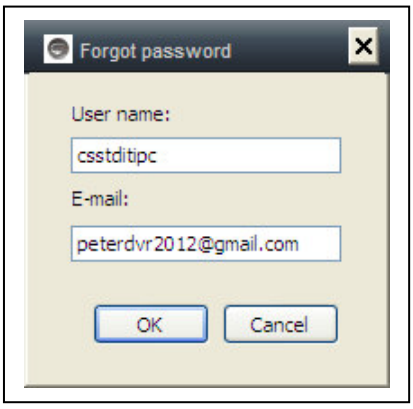
8.5. Image quality is not good enough

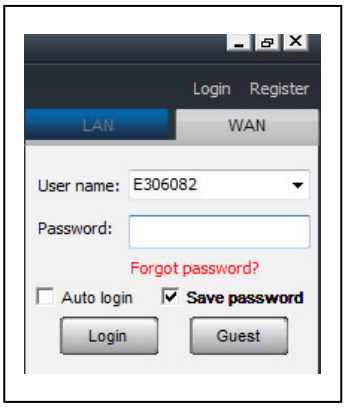


All of the camera parameters keep default value of factory, but not all the parameters are proper for special occasions. The default setting is based on factory testing environment. Users can adjust parameters according to his environment to get a good video. You can adjust the parameters like resolution to get better quality images according to your requirements.

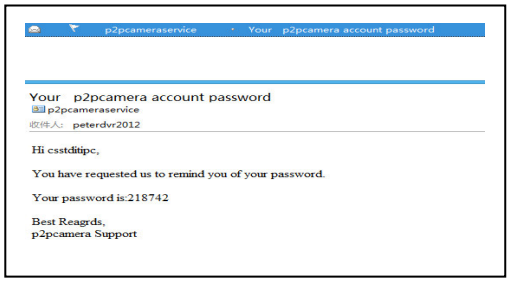
8.6. Forgot your password?

If you have forgotten your own login password which registered by yourself, click “Forgot Password”. Input your username and <u>your registered email address</u>. The server will send a password to your mail box. Then use the new password to login.





Please check your Email



8.7. Restore to default settings

(a) Press the reset button of the camera about 1 minute.
(b) Right-click camera ID on LAN, click “Restore to default setting”.

8.8. How to reboot equipment?

User can reboot equipment whatever he/she is in local network or Internet. If the user is in LAN, right-click the device and select “Device restart”. If the user is in WLAN, click “Device management” and click the “Device restart”.

9. Technical Specifications

Image Sensor	1/4" CMOS colour sensor
Minimum illumination	0.5 Lux
Video compression / Video frame rate	M–JPEG / 25fps
Internet connection	Supports P2P function, easy to connect through internet
Motion detection / Capture	Yes / Yes
Video (adjustable)	Brightness, Contrast, Sharpness, Saturation
Feature	Built-in microphone
Audio output	One audio output
Digital Zoom	4x Digital Zoom
Audio format	ADPCM
	Audio output
	Alarm input/output
System interface	10Base-T / 100Base-TX internet interface
Video stream	16Kbps ~ 4Mbps
Protocol	TCP / IP
Wireless network	Supports 802.11.b/g/n wireless protocol
Infrared lights	10 IR–LEDs
IR night vision	10 m
Alarm input	1 way on/off input
Alarm output	1 way relay output
Power supply / Power consumption	External power adaptor DC 5V, 2A / 4W
Working temperature	–5°C up to +55°C
Weight / Dimensions	282g / (L) 11 x (W) 10 x (H) 13cm

Distributor: Technaxx Deutschland GmbH & Co.KG, Kruppstr. 105, 60388 Frankfurt a.M., Germany

10. Installation Manual

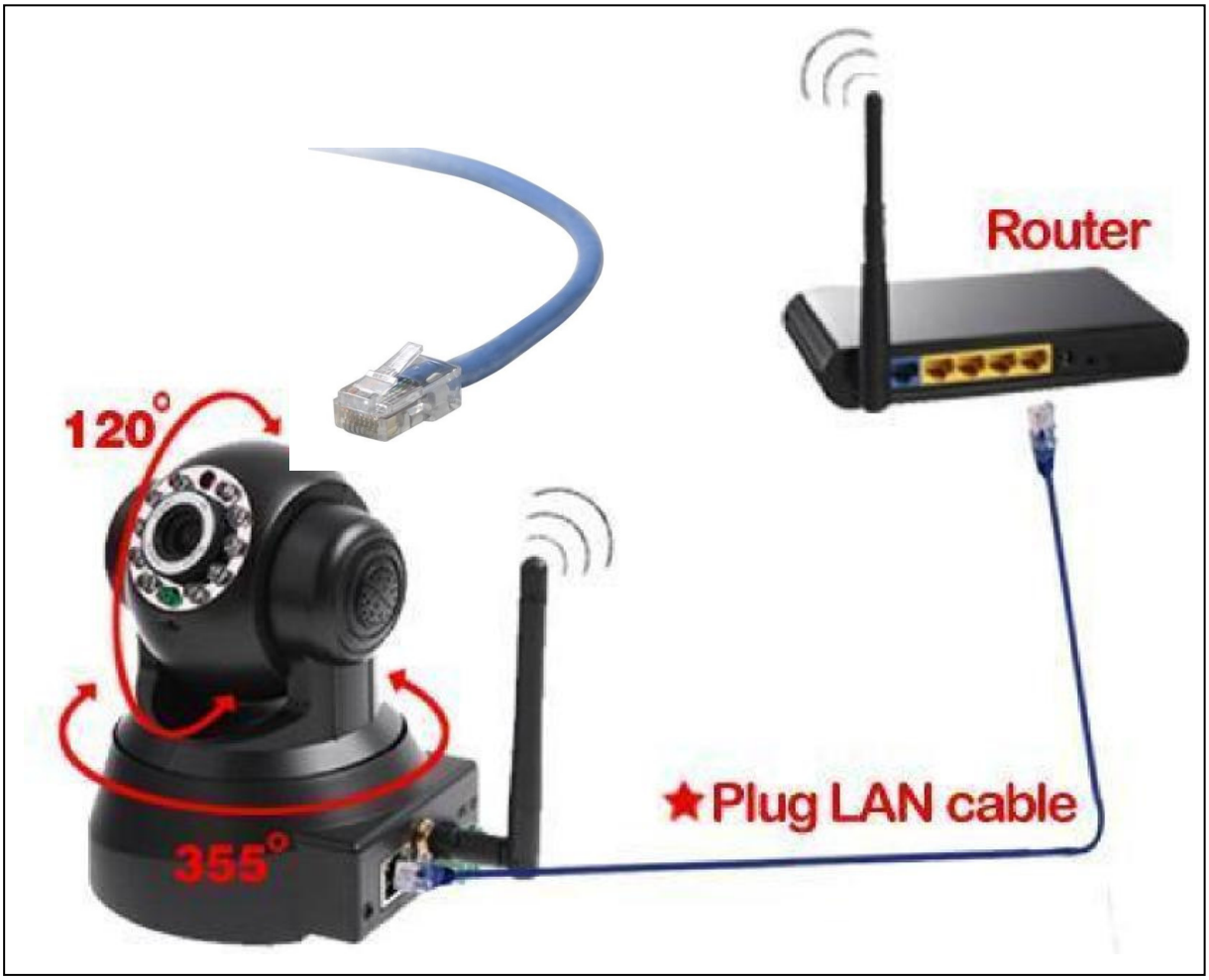
for Android / IOS Smartphone

Install IP Camera ➔ Install Mobile Phone App Technaxx **My Secure** Software ➔ Register an account ➔ Add cameras under this account

IP Network Camera Installation Procedure

First plug in the power cable to the IP camera. Then connect the LAN cable with the camera and the Router (see picture below).

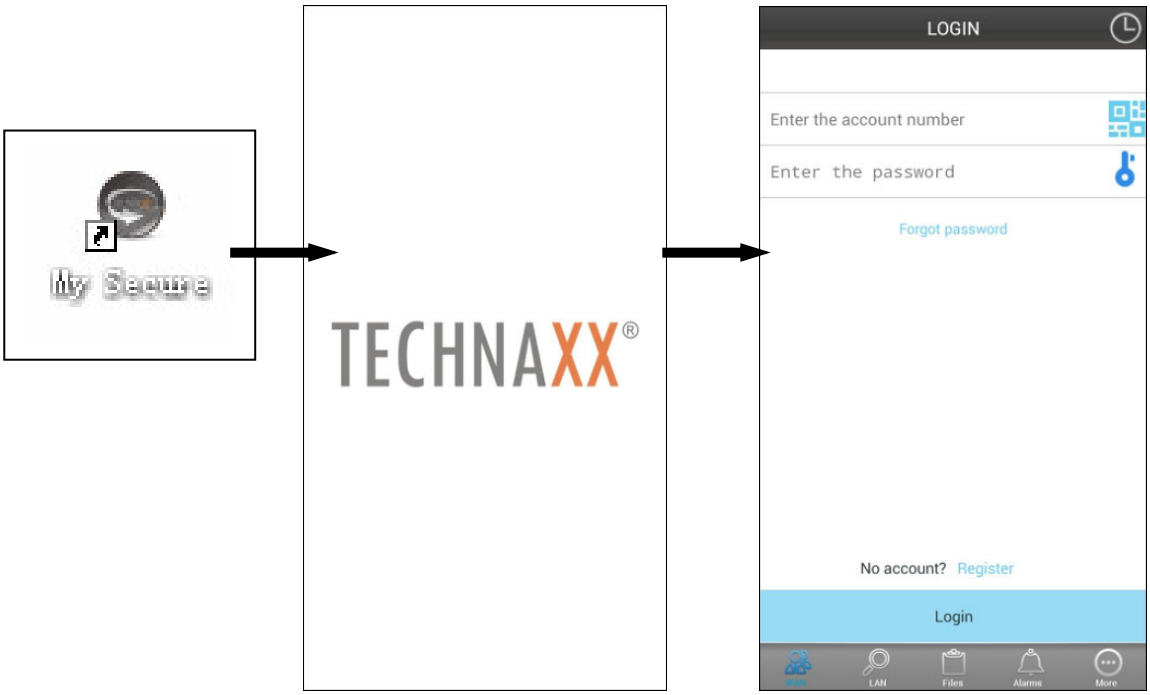
ATTENTION: DHCP service must be enabled in the router!



(1) Before installation, make sure your phone is using 3G or WIFI

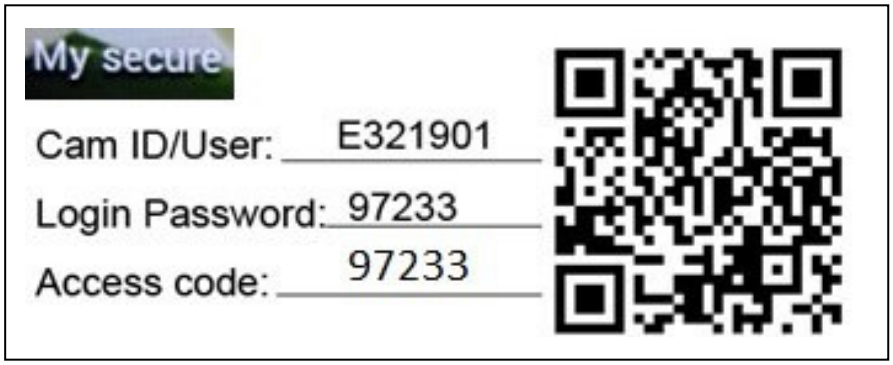
(2) Install software: Search and Install “My Secure” in Apple APP store and Google play store.

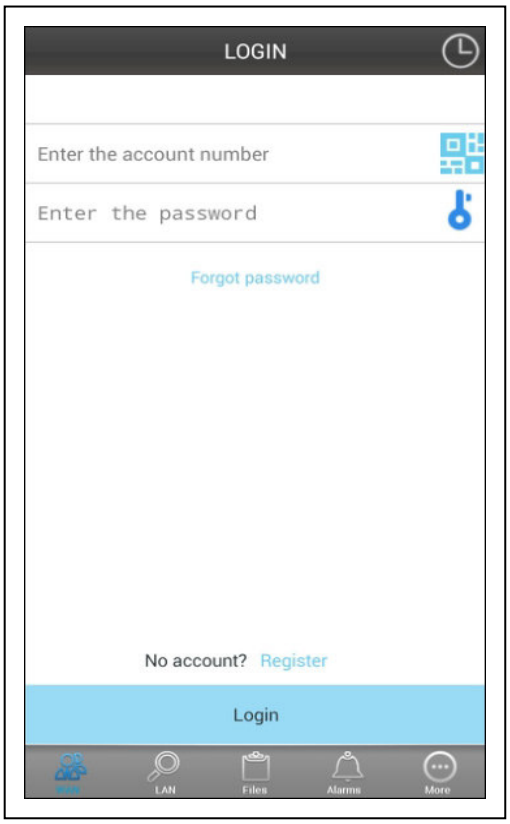
(3) Click the APP icon to run the mobile APP



(4) Input the camera ID and password to Login camera

The **My Secure** icon (see below) you can find on the LOGIN screen right hand side (see the picture of the LOGIN screen). Also support click this icon to scan QR-code to auto input ID and password. Then check the camera label and input ID and password on the APP

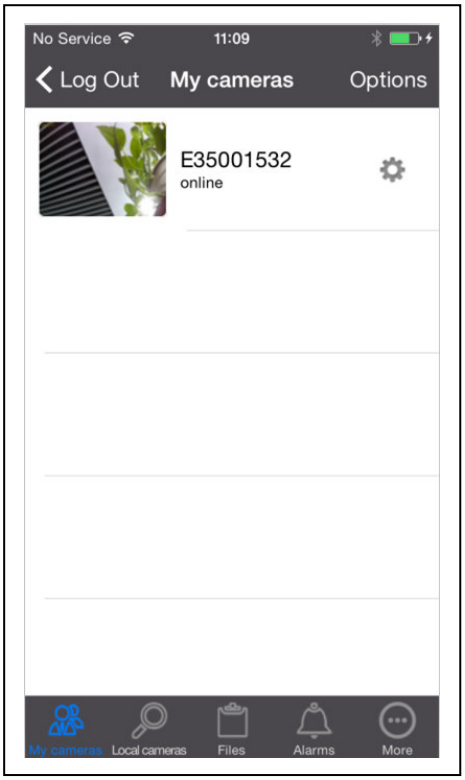


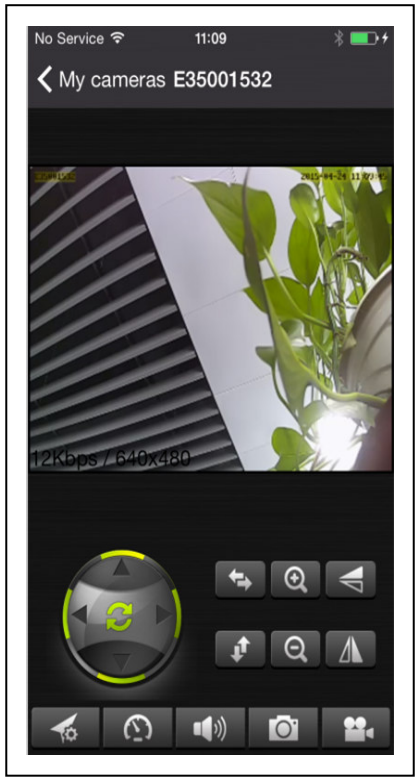


My Secure icon

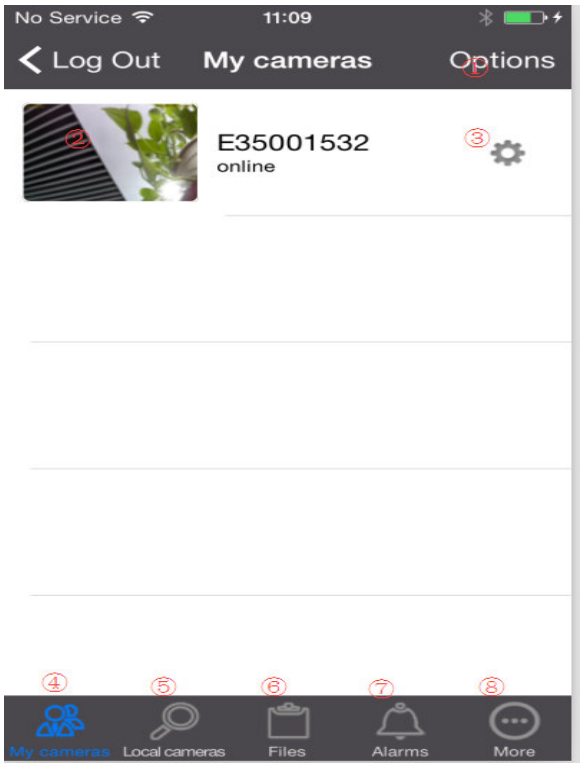
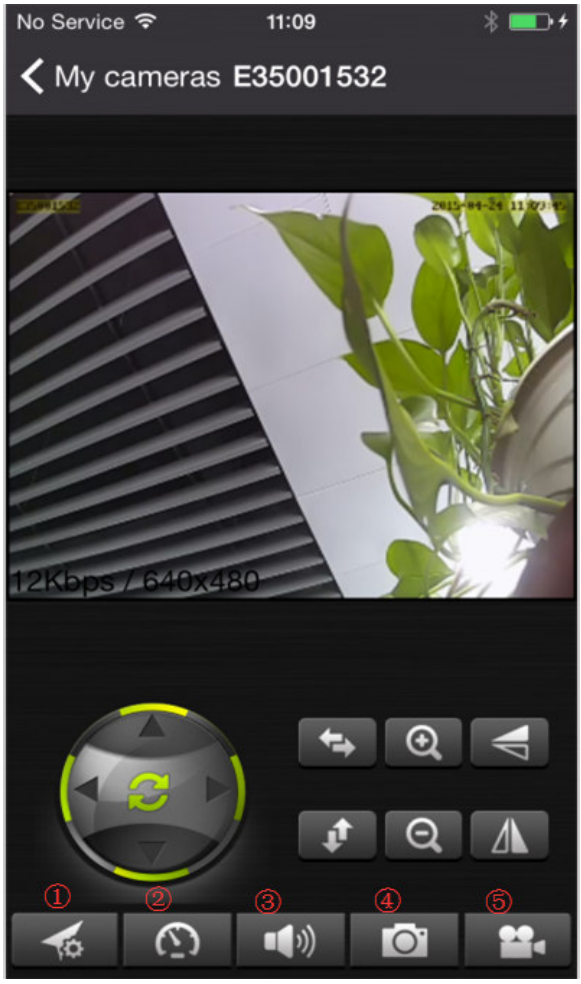
(5) Login account. (If no accounts yet, go to register an account first and type in User name and Password). Under this account you can add Security CAM's (go to point 10)

(6) After successful login, click on a camera to start monitoring.



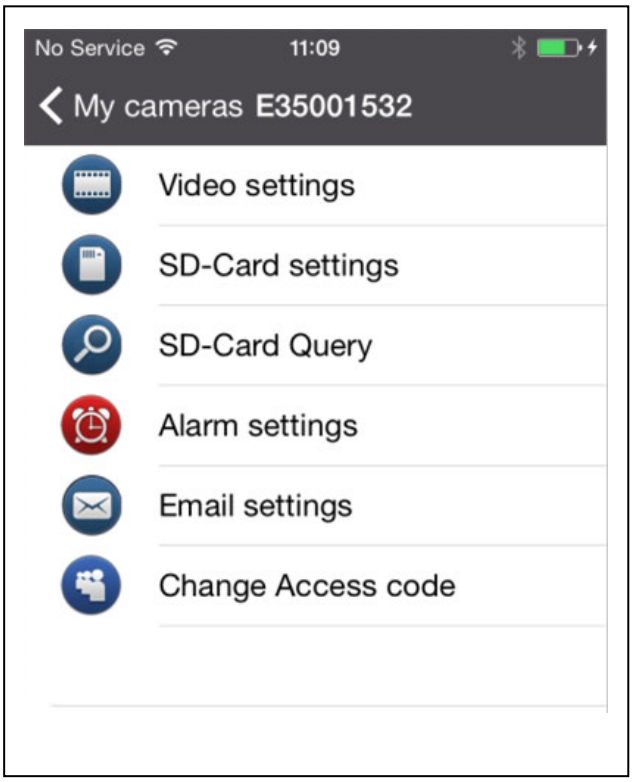


(7) Press at the **"OPTIONS"** symbol to add a camera

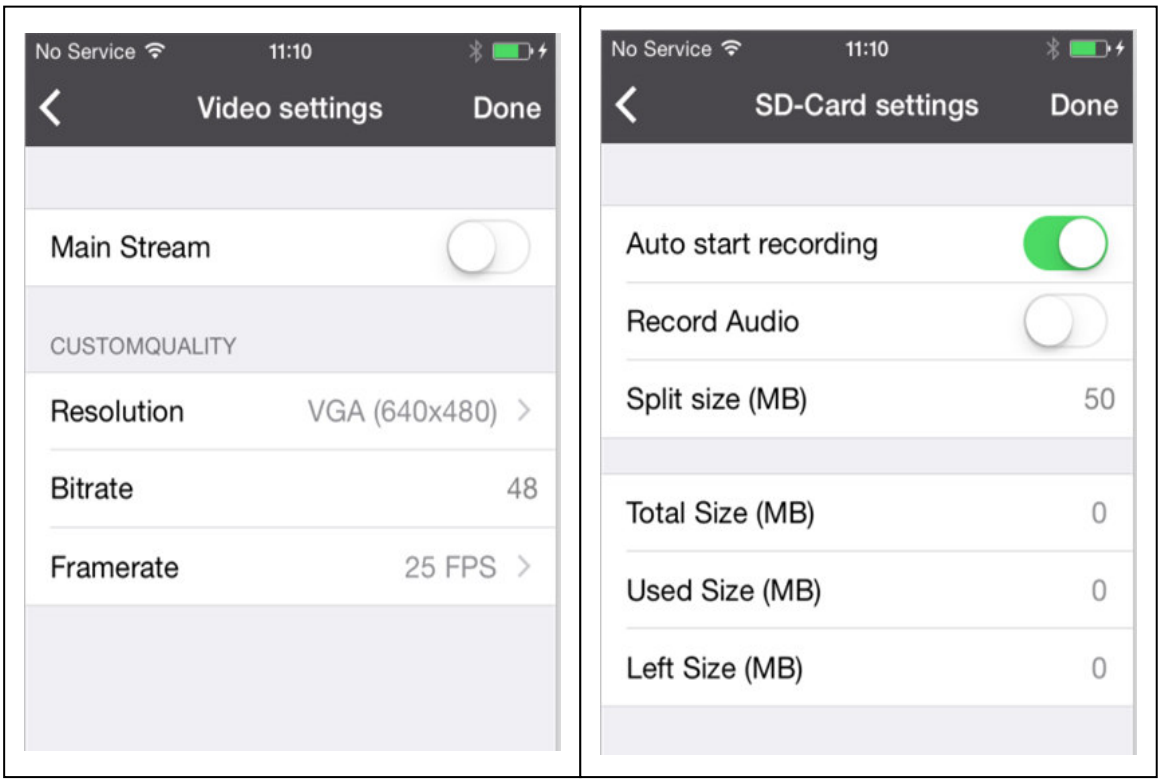
	1. Add other camera 2. Play camera video 3. Config camera 4. Camera list in WAN 5. Camera list in LAN 6. Video playback 7. Alarm events
	1. Select video resolution 2. "PRESET" operation 3. Audio talk **(Attention: this menu functions are only for the TX-23 camera!)** 4. Snap Picture 5. Video record

(8) Setting Camera under sub menu WAN

Set video quality parameters and SD card, by clicking the sign.



ATTENTION: The configuration of the cameras is only under “Online” status possible!



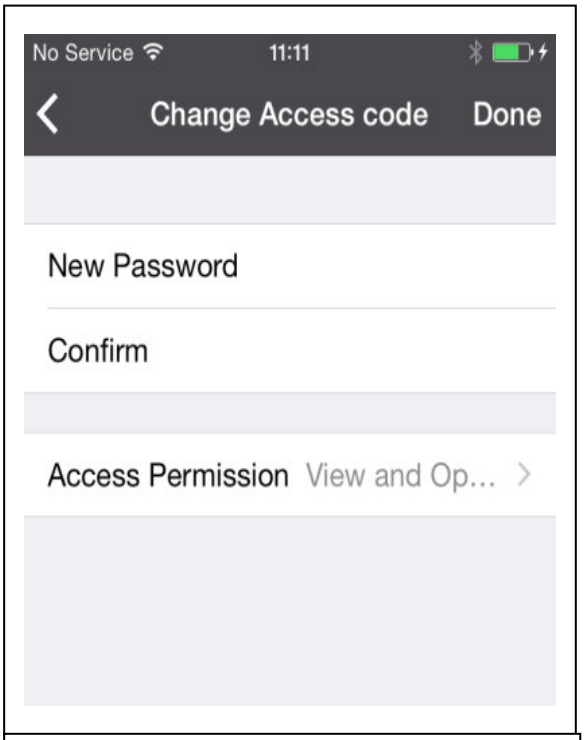
● Automatic recording starts when enough disc space on the MicroSD card exists **(Attention: only for the TX-24 camera!).**

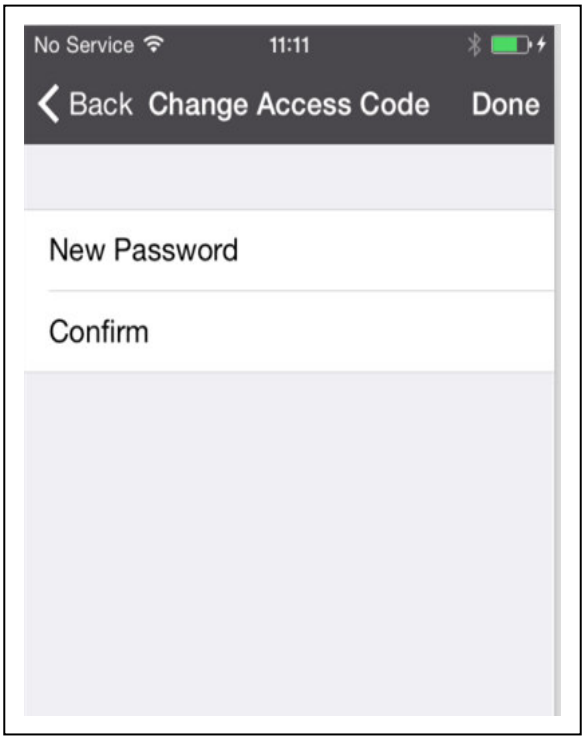
● Video partition size can be defined how much MB for each stream.

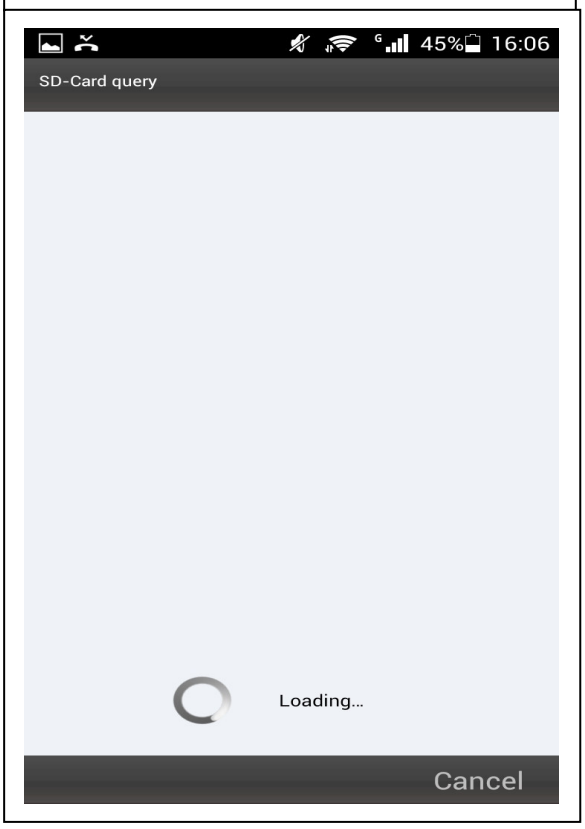
● Video settings: Select between sub-stream & main-stream.

● Quality: select the quality of the video (low, normal, high, good, super

● Set for Resolution, Frame rate & Stream accordingly.

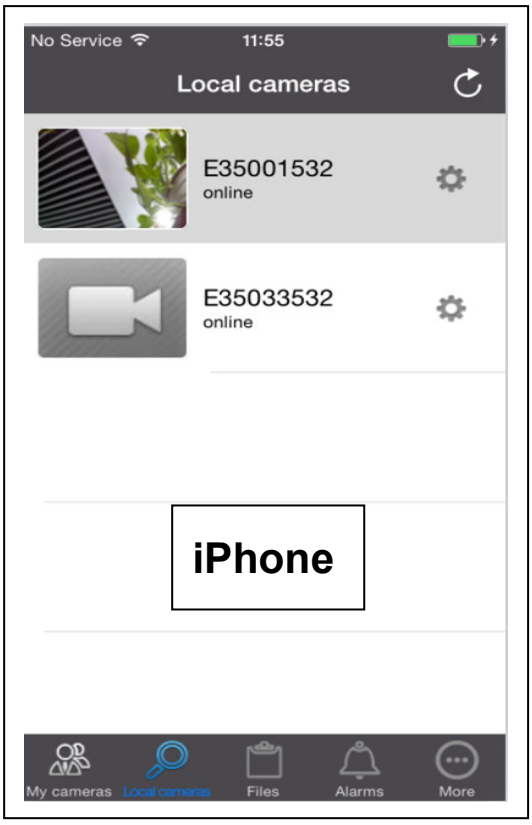




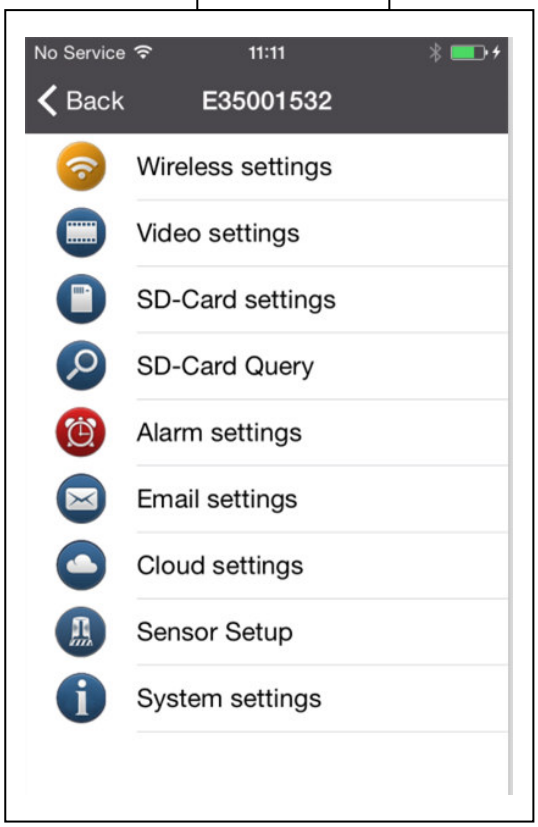


(9) Setting Camera under sub menu LAN

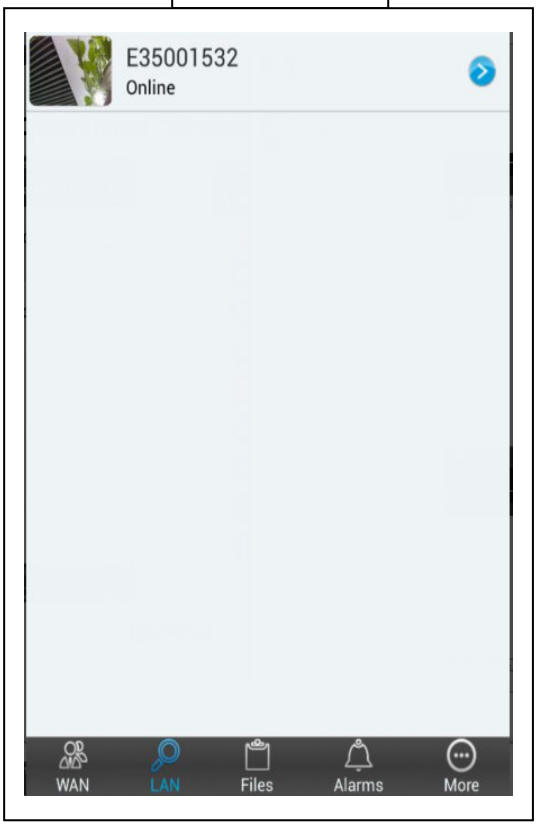
iPhone



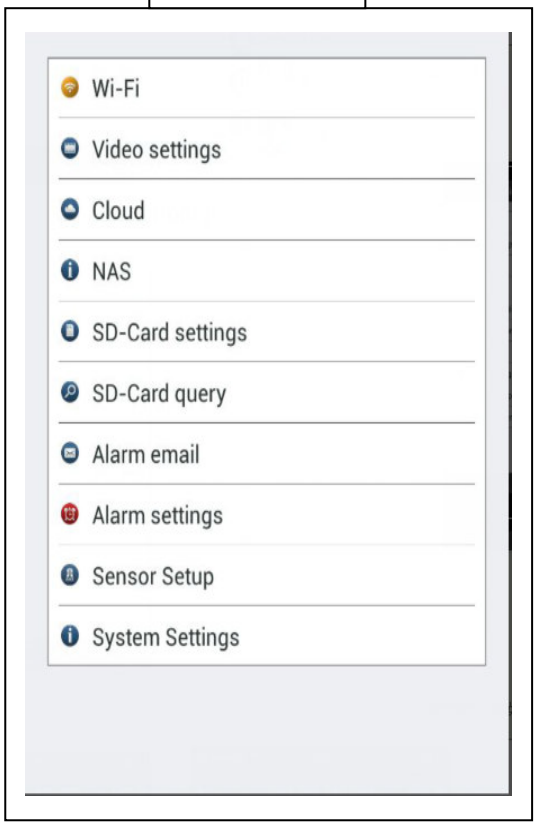
iPhone



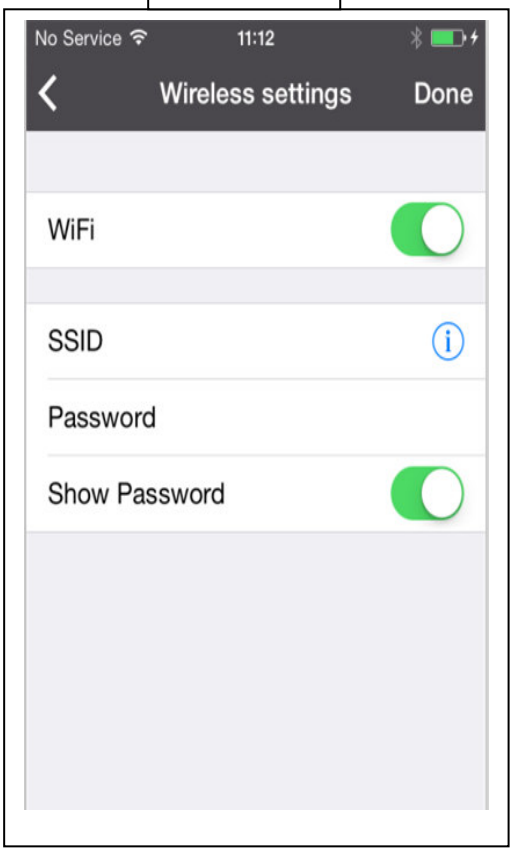
Android



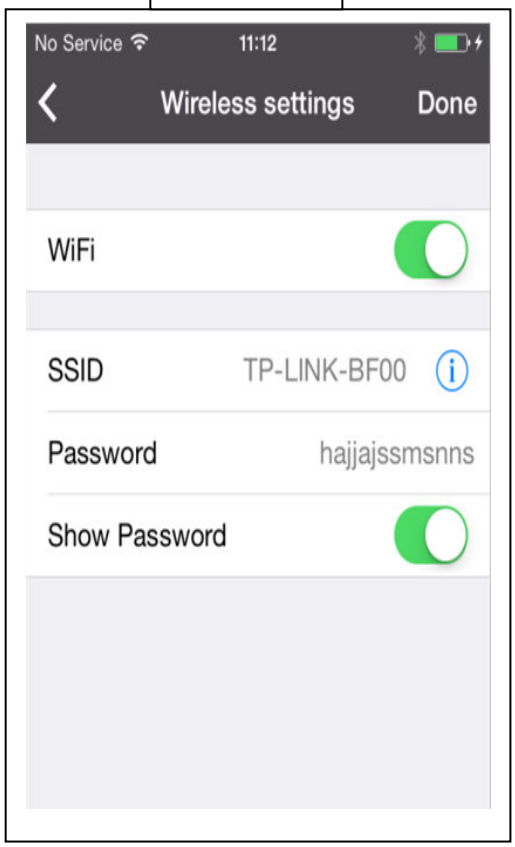
Android



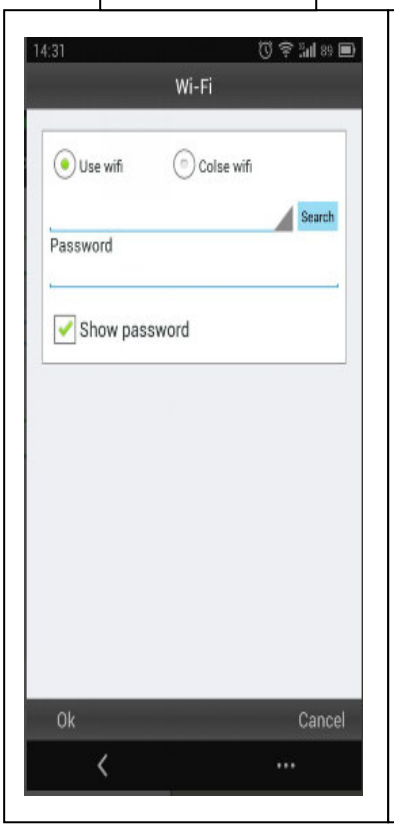
iPhone



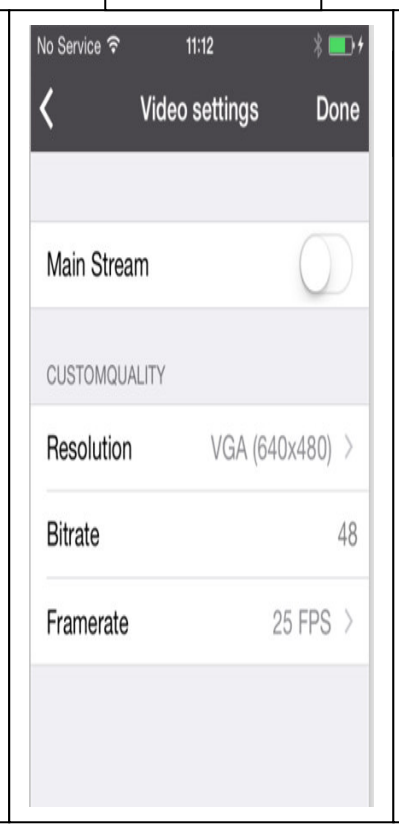
iPhone



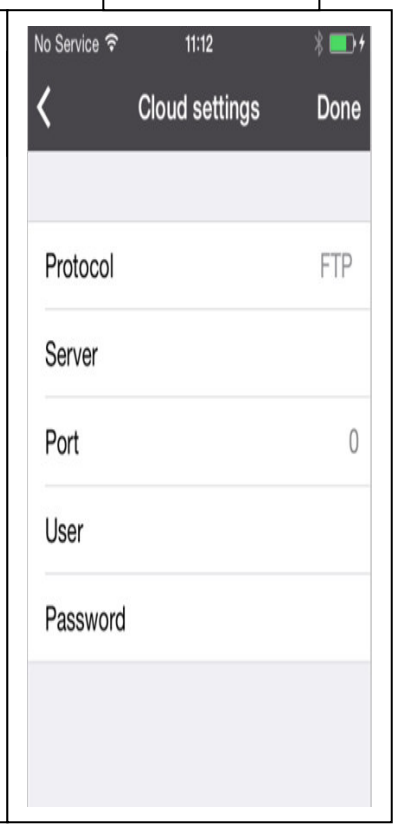
Android



Android



Android



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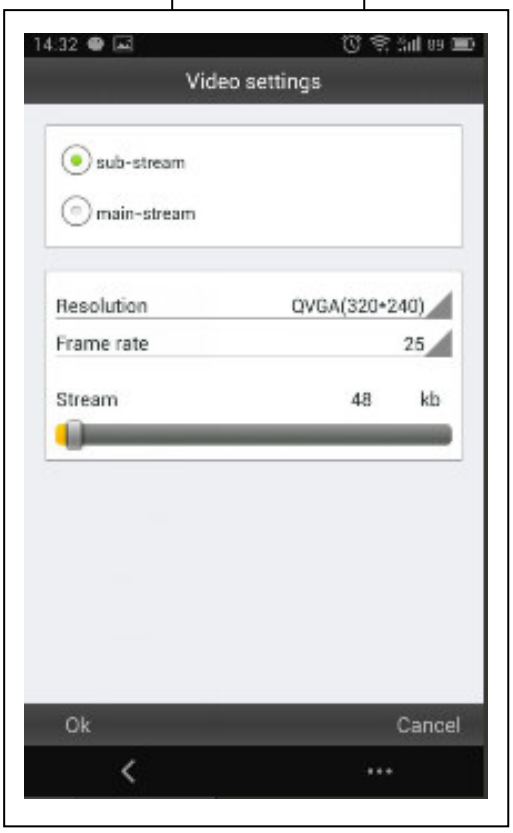
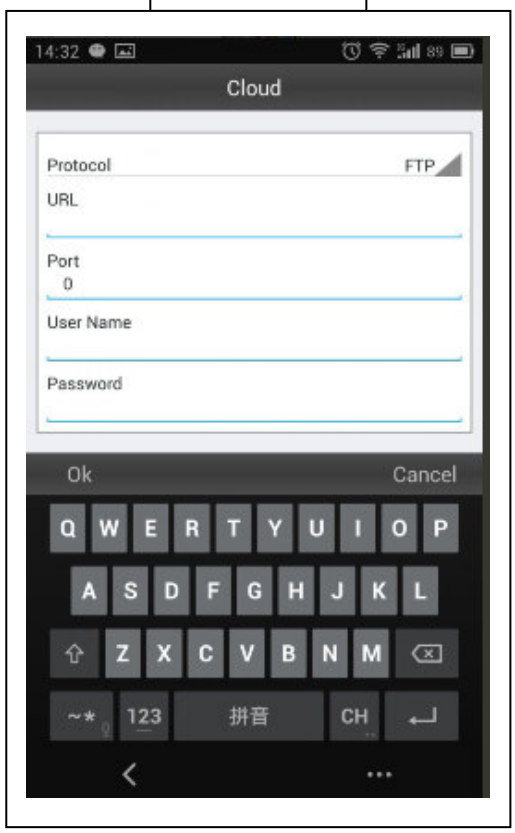
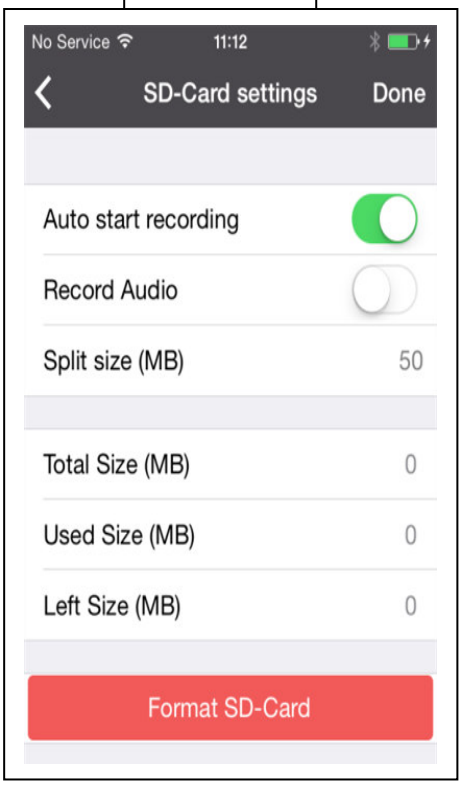


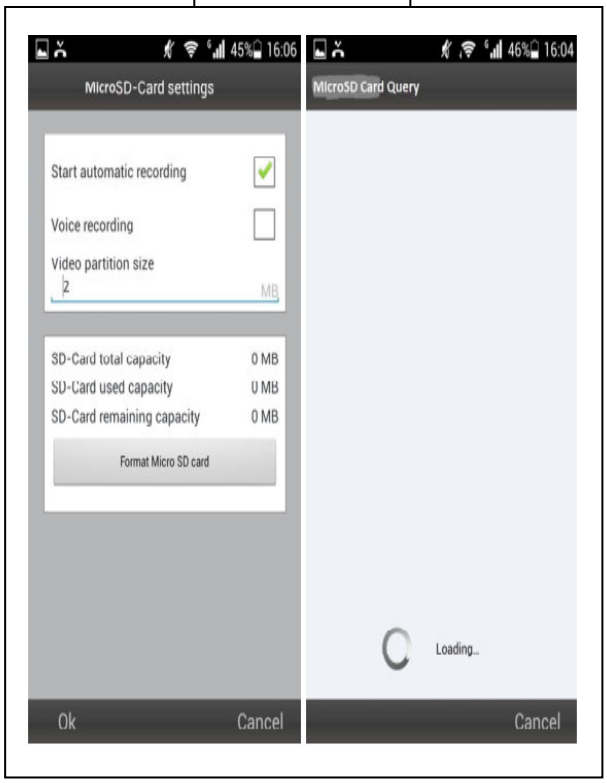
Android



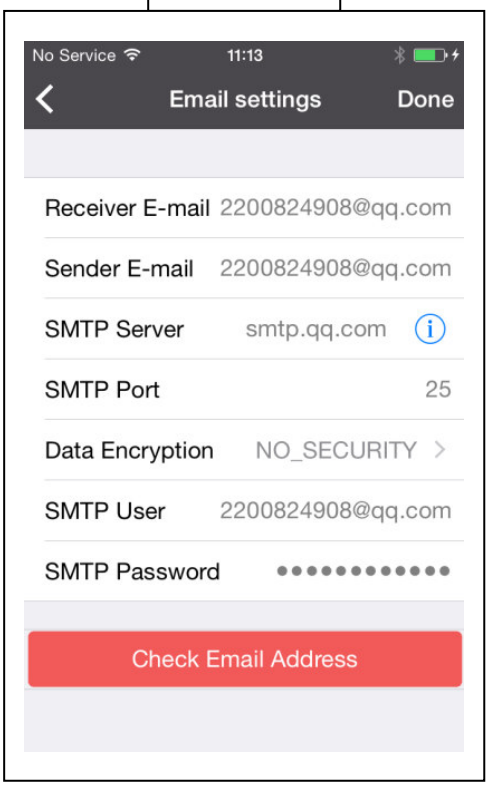
iPhone



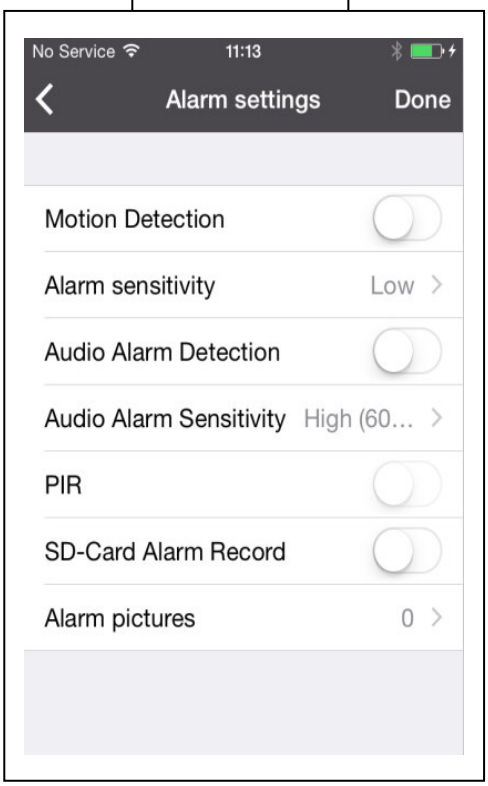
Android



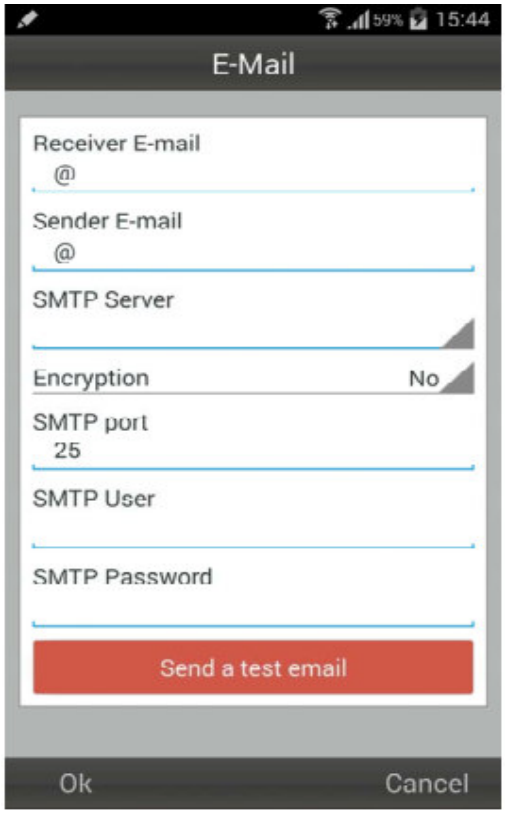
iPhone

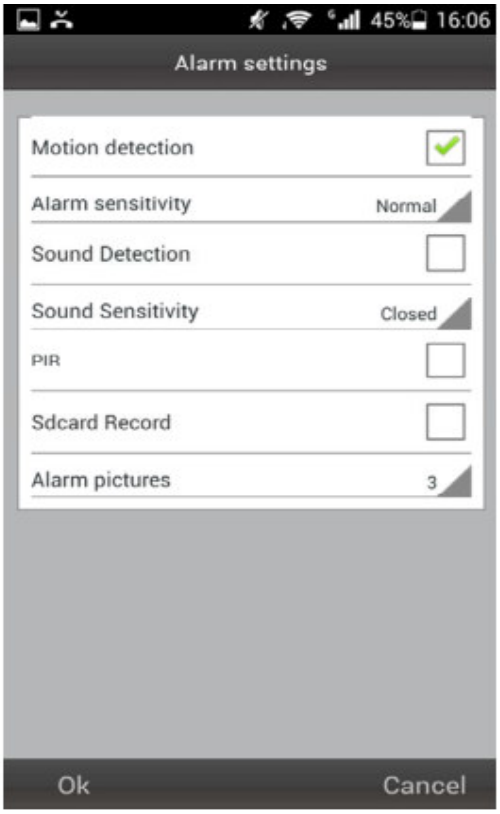


Android



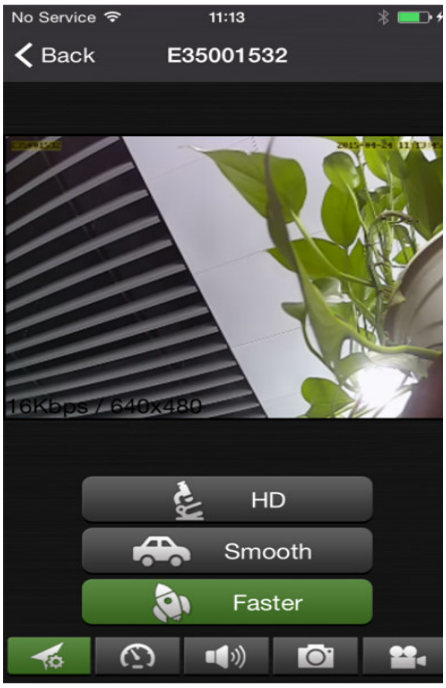
Android





You can select to enable or disable motion detection & select the sensitivity (high, medium, low).

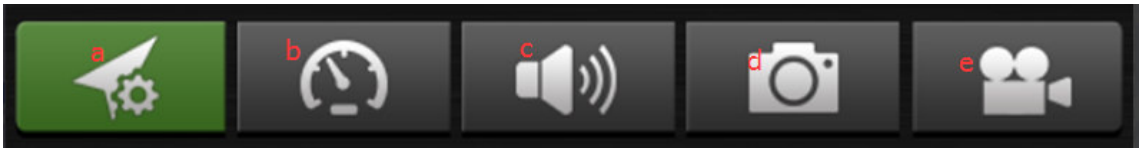
After the connection to the camera is established, you see at the bottom of the Display the following symbol:



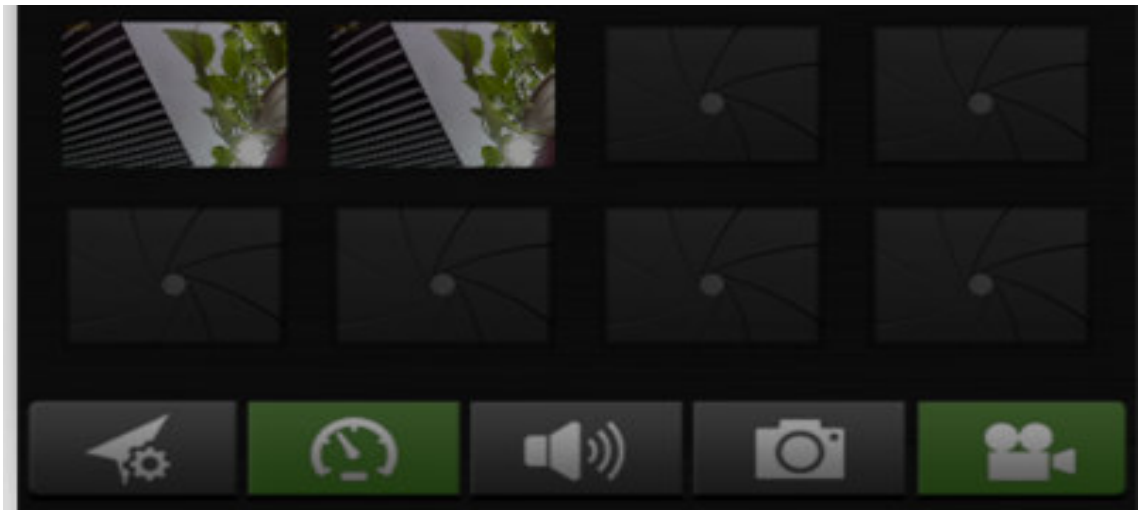
Press the button ⓐ then you find the following picture you can select video resolution:

HD = 1300 kbps
Smooth = 800kbps
Faster = 400 kbps

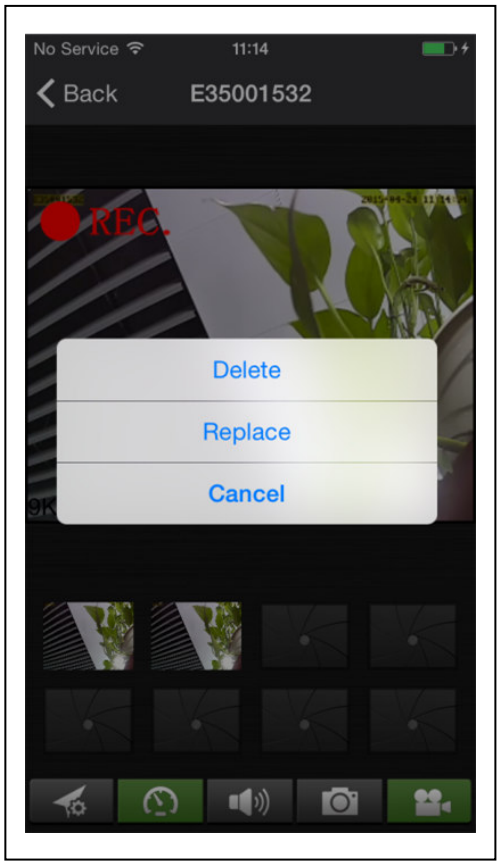
When you press the button [b], you can take a picture directly from the camera.



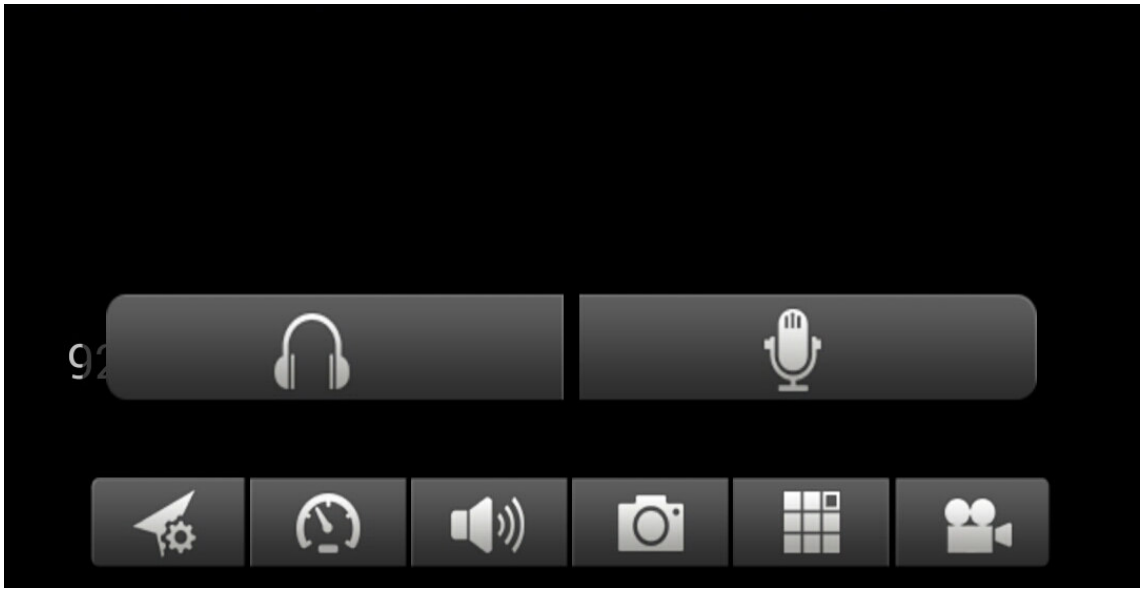
Button Description



To delete or replace a picture, simply press and hold at each picture and select.

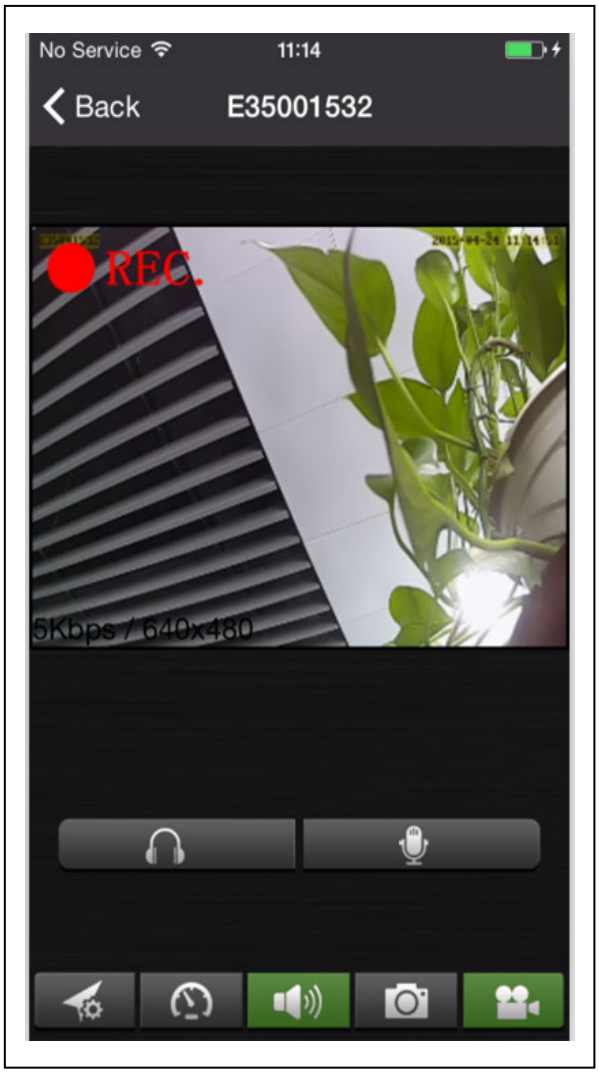


Press the button **to hear over headphone or to speak through microphone.** Connect your headphone to your Smartphone or press on the microphone to speak. **(Attention: only for the TX-23 camera!).**



Press the button ⓓ to take a picture one by one.

Press the button ⓔ to start to start recording a video.



Press the button ⓕ to adjust or change the direction of the camera. (Attention: only for the TX-23 camera!).

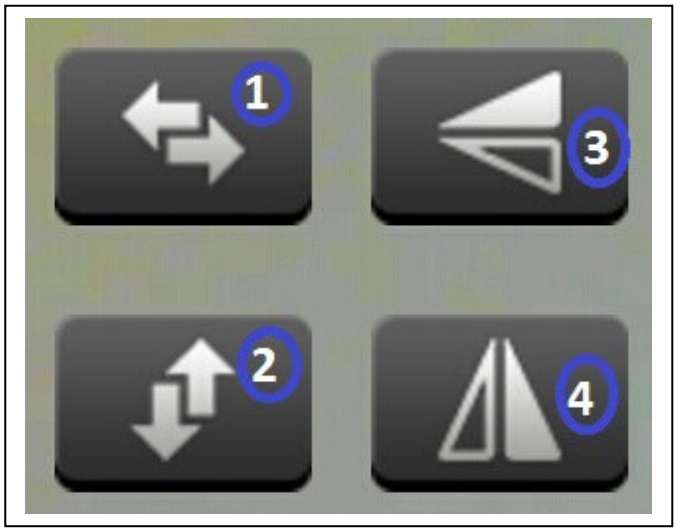
You can also move the direction of the camera by pressing & holding the menu for each direction.

Press ❶ to invert the camera horizontally.

Press ❷ to invert the camera up or down.

Press ❸ to rotate the camera horizontally.

Press ❹ to rotate the camera vertically.

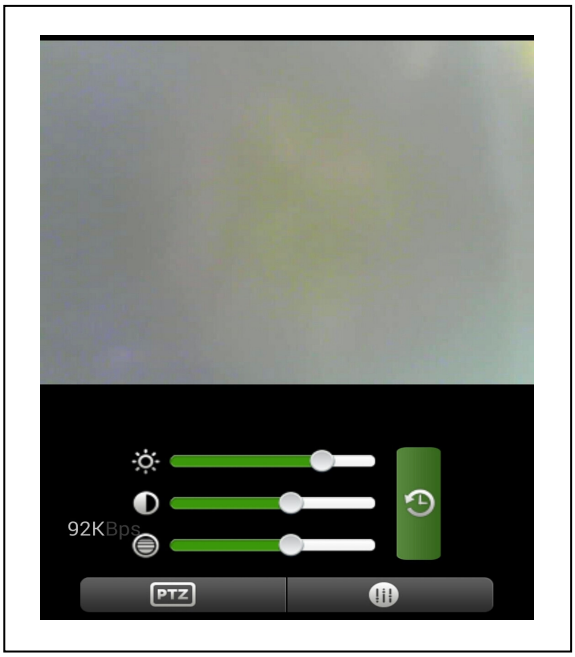


Press the button g to adjust the colour of the camera.

Hold and move to the right or left to change brightness.

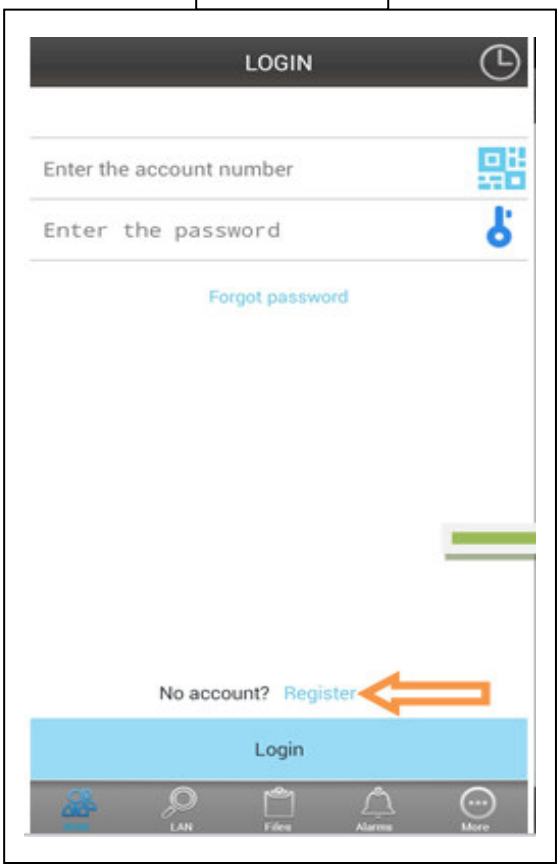
Hold and move to the left or right to change the contrast of the picture.

Hold and move to the left or right to change the color of the picture.

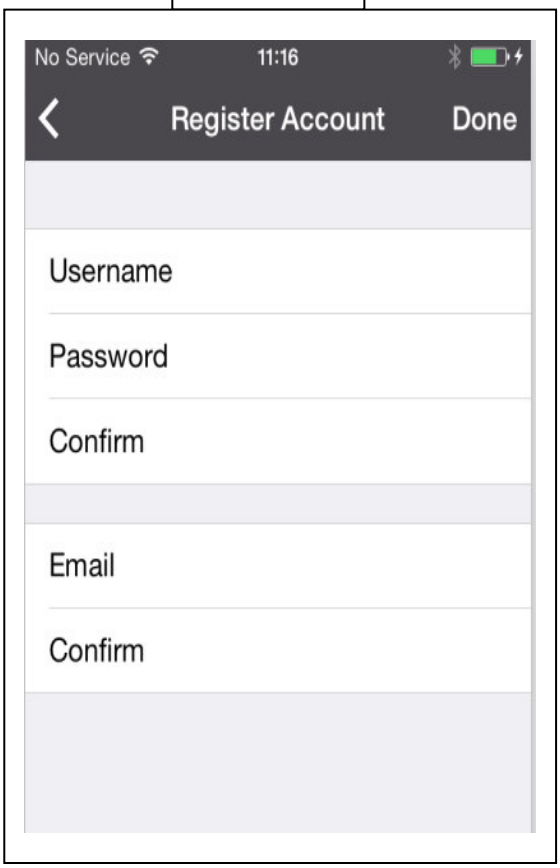


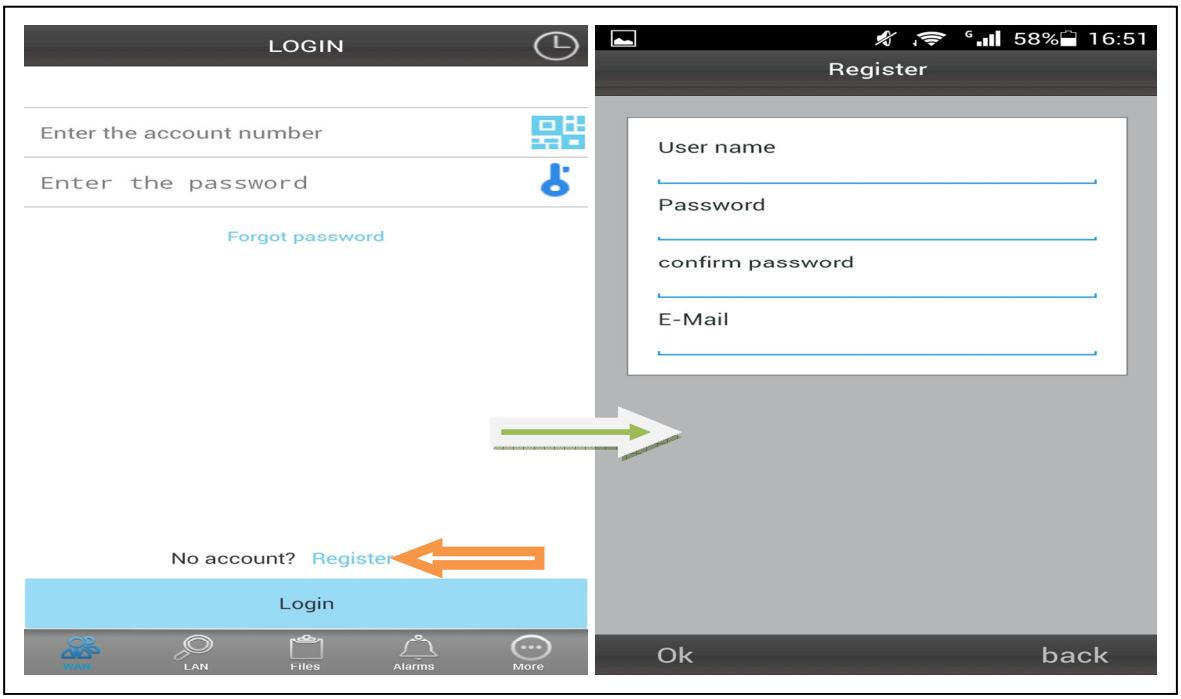
(10) Register account (if successfully being registered, jump back to Step No. 3): Press “Register” first. Then fill in information, then click “OK” to complete it.

iPhone



iPhone





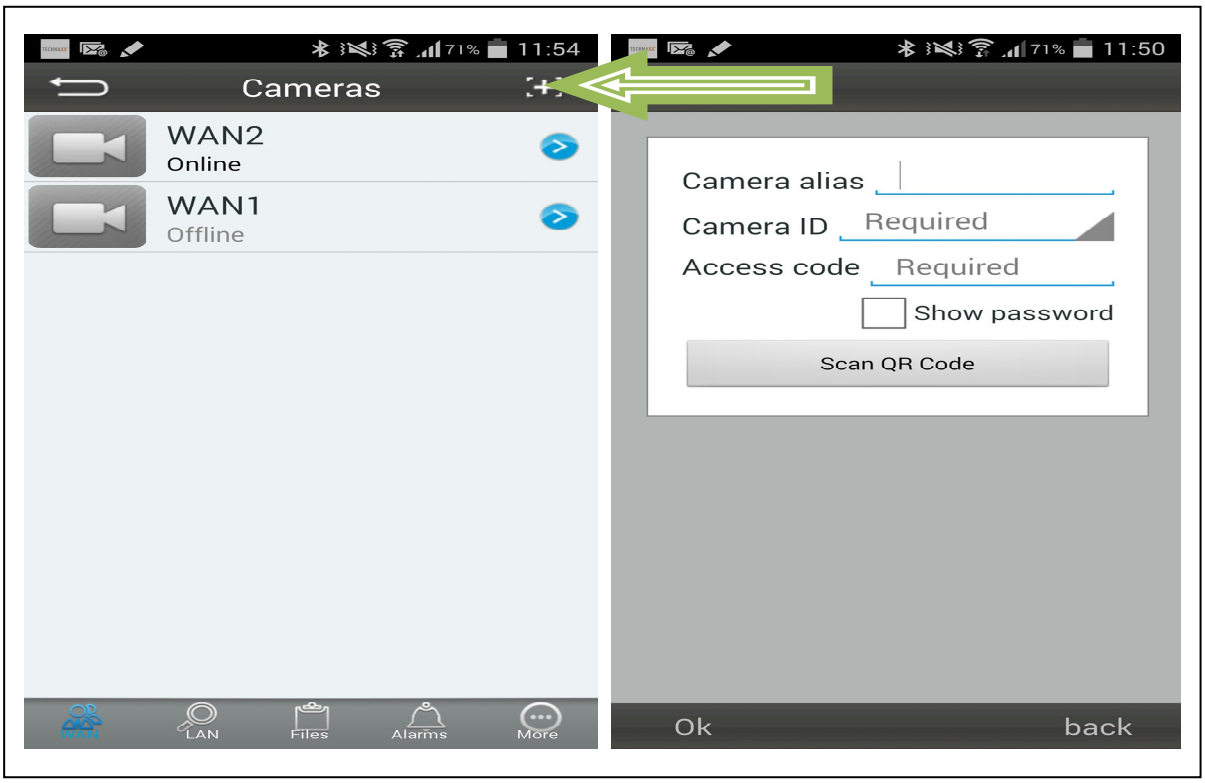
(11) Add cameras under account (if successfully being added, jump back to step No. 4): Login first. Then click "+"

Click "Add Device" or Scan to add a device automatically (***QR Code***)

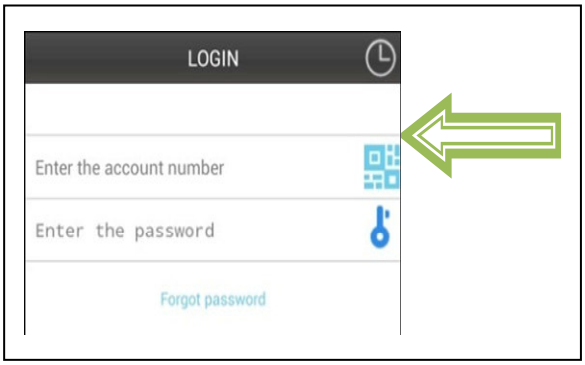
Camera Alias = here you can give a name which you like.

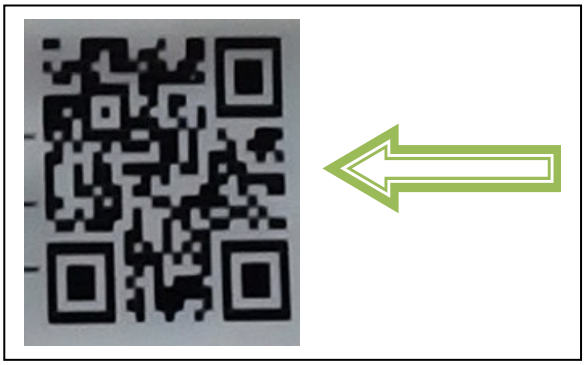
Camera ID = find this ID under your Camera written with QR Code.

Access code = find this code under your Camera.



Focus the smart phone camera directly at the QR Code of the security cam.

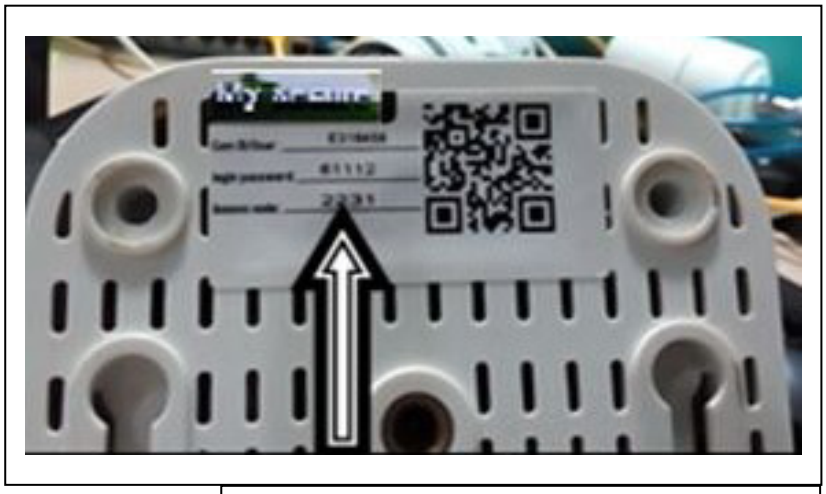




Fill in camera information

"**Device Alias**" – give a name to this camera
"**Device ID**" – at bottom of each camera, there is a label with QR Code
"**Access Pass.**"

Click "Done" to add it



At the end:

If successfully being added,

the new camera will be in the list.