

Technaxx®

IP-Security Camera HD 720P TX23+ for indoor use

User Manual

Important Hint regarding the User Manuals:

All languages of the user manual you find on the CD enclosed.
The english and german version of the user manuals you also find as printed version enclosed. Before using the device the first time, read the user manual carefully.

Wichtiger Hinweis zu den Bedienungsanleitungen:

Alle Sprachen der Bedienungsanleitung finden Sie auf der beiliegenden CD. Die englische und die deutsche Version der Bedienungsanleitung finden Sie auch beiliegend in gedruckter Form. Vor erster Benutzung die Bedienungsanleitung sorgfältig durchlesen.

Remarques importantes sur le mode d'emploi :

Toutes les langues du manuel d'utilisation sont disponibles sur le CD fourni. La version anglaise et allemande du manuel d'utilisation est fournie au format papier. Lisez attentivement le mode d'emploi avant la première utilisation.

Consejo importante relacionado con los manuales de usuario:

Encontrará el manual de usuario en todos los idiomas en el CD incluido. También encontrará incluidas copias impresas de las versiones del manual en inglés y alemán. Antes de utilizarla por primera vez, lea atentamente este manual.

Ważna wskazówka odnośnie Instrukcji użytkowania:

Instrukcje we wszystkich językach znaleźć można na załączonej płycie CD. Angielska i niemiecka wersja instrukcji użytkowania znajdują się również na dołączonej wersji drukowanej. Przed pierwszym użyciem urządzenia należy dokładnie zapoznać się z instrukcjami użytkowania.

Důležité poznámky týkající se Uživatelského manuálu:

Další jazykové verze uživatelského manuálu naleznete na přiloženém CD. Anglická a německá verze manuálu je přiložena v tištěné formě. Před prvním použitím kamery si pečlivě přečtete uživatelský manuál.

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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

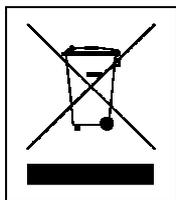
If you drill a hole in the wall, please make sure that power cables, electrical cords and/or pipelines are not damaged. When using the supplied mounting material, we do not take the liability for a professional installation. You are entirely responsible to ensure that the mounting material is suitable 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.

Package Contents:

IP-Security Camera HD 720P TX-23+, Power adapter DC 5V/2A, Bracket and 3 screws, Installation CD with all user manuals, User Manual (printed english and german version)



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

1. Features

- Video resolution 1280 x 720 HD with 5-25fps
 - Brilliant 1/4" CMOS colour sensor (1 megapixel)
 - Motion & Sound Detection ~10m
 - 10x IR LED and IR night vision ~10m
 - Built-in microphone & speaker
 - Rotatable camera head: 120° vertical & 355° horizontal
 - Supports MicroSD cards up to 64GB
 - Direct Smartphone connection via QR-code / P2P
 - Alarm function (automatic E-mail with picture)
 - H.264 / MJPEG dual video stream
 - Rapid installation & Password setting
-
- Powerful high-speed video protocol processor
 - Multi-level user management and password settings
 - WEB browser to access the embedded Web server
 - Support wireless network (Wi-Fi/802.11/b/g/n)
 - Connection via Smartphone APP (Security Advanced)

2. Device Structure



Figure 2-1

1	Antenna	5	Adjust sharpness
2	Photoresistor	6	Indicator light
3	IR LED	7	Microphone
4	Lens		



Figure 2-2

1	Antenna	4	LAN port (RJ-45)
2	Speaker	5	Audio out
3	MicroSD card slot		



Figure 2-3

1	LAN port (RJ-45)	4	Reset button
2	Audio out	5	Power input DC5V/2A
3	Speaker		

3. Installation Guide

3.1 Wired connection to LAN

Power on the IP camera, connect IP camera to router by network cable, meanwhile, connect computer to the same router, example of figure 3-1.

Figure 3-1



Router / Modem
Network cable
IP Camera

Insert CD to computer driver, double click on the folder “Search Tools” in the CD and then double click on “IPCameraSearch”. After the software has started, click “Refresh” (bottom left), select the wanted device, double click on the device IP to open browser. You also can enter the device IP manual into the browser.

Example: <http://IP of device:81>. See figure 3-2.

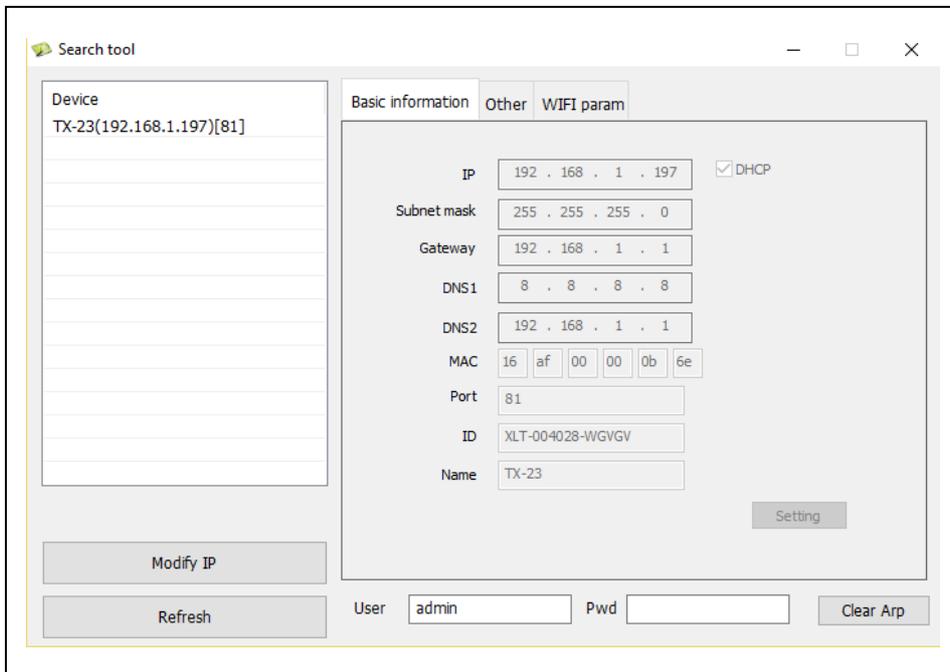
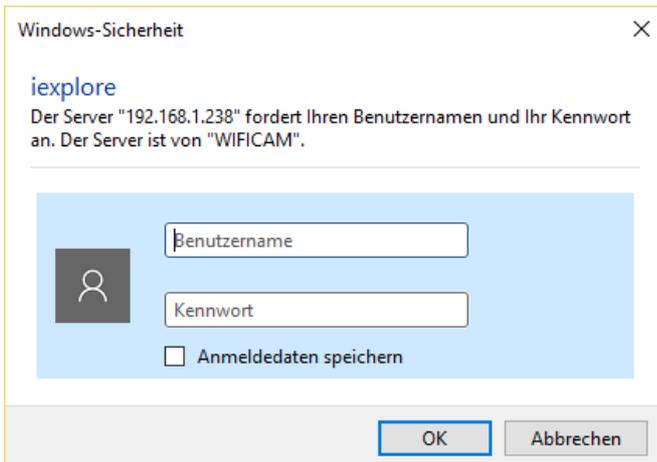


Figure 3-2

It will pop up user login dialog, enter default user name (admin) and password will be empty to login the camera as figure 3-3. Important: After first login change the password! (Chapter 4.6.2 User settings)



Benutzername	User Name
Kennwort	Password

Figure 3-3

After you logged in you will see options like in figure 3-4 below.

Wireless Camera

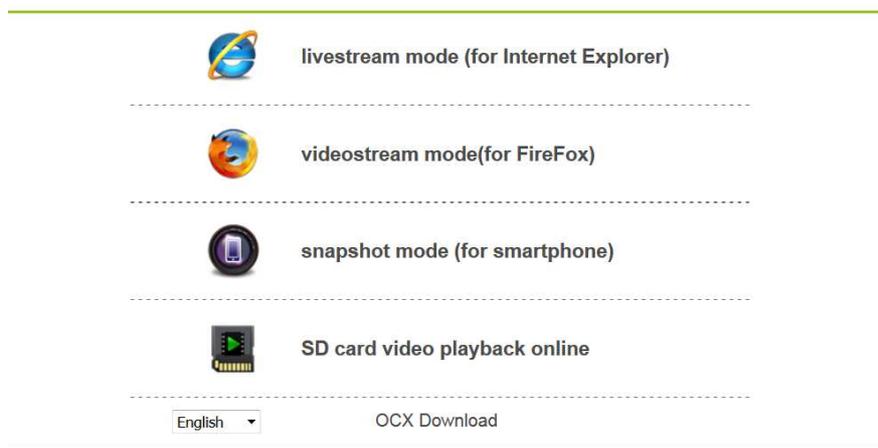


Figure 3-4

We suggest using **Internet Explorer 11** please select “**Livestream mode (for Internet Explorer)**” as browser to view the video (it can provide more functions), but user needs to install video player before viewing the video. Click “OCX Download ” to download OCX and install it. You can also find it on CD. Except IE browser, you can visit the camera by **Firefox, Safari, Chrome, Opera** browser etc., please select “**videostream mode (for Firefox)**” for operating (not all functions supported)

Notice: (1) If you installed the firewall software in your PC, when you run the “IPCameraSearch”, it may pop up a window to say “whether you want to block this program or not”, then you should choose not to block. **(2)** You can hold on reset button on the camera for 10 seconds to restore factory default if you forget user name and password, during the process, don’t disconnect the power, otherwise the camera maybe damaged.

3.2 WIFI Setup via WEB Browser

You can connect the camera with router by wireless connection, as figure 3-5 shows. To connect the camera via Smartphone directly got to chapter 6.2.



Figure 3-5

To set the WIFI connection the camera has to be connected via network cable to the router. To connect the camera via WIFI you need to follow the steps under chapter 3.1 first. After entering the **Livestream mode (for Internet Explorer)**, click on the following icon  to enter settings. Under “Network Configuration” → “WLAN/LAN Settings” press “Scan”. Then choose the SSID (name) of your WIFI router. Enable Using Wireless Lan. Select the authentication of your router and enter the password of your router. By clicking on Submit/Set up the settings are saved and the camera is going to reboot. After rebooting is successful you can unplug the network cable (wait about 3minutes). The camera is connected via WIFI.

Wireless Lan Settings				
Wireless Network List	ID	SSID	MAC	
	1	DOSS1530_B630	22:6C:06:B6:30	
	2	RMA DLINK	D3:A3:1D:FD:20	
	3	Technaxx-Meeting	56:27:9E:CB:ED	
	4	nvrapi	95:69:96:8B:CB	
	5	WLAN-RMA-TEST	0E:14:C9:11:CA	
	6	Colo-WLAN	5B:0E:07:52:48	
	7	Speedlink-536	EF:68:27:C1:5E	
	8	03-2012g	B0:5D:9F:C4:20	
	9	technaxx-router	49:79:48:33:5B	
<input type="button" value="Scan"/>				
Using Wireless Lan	<input checked="" type="checkbox"/>			
SSID	<input type="text"/>			
Network Type	Infra <input type="button" value="v"/>			
Authetication	WPA2-PSK Personal (TKIP) <input type="button" value="v"/>			
Share Key	<input type="text"/>			
<input type="button" value="Set up"/> <input type="button" value="Refresh"/>				

Figure 3-6

Notice: When the device is connected both WIFI and wired, it will firstly connect to the wired network. If the camera enables DHCP to obtain IP address automatically, so the IP address is not same in wired connection and WIFI connection.

3.3 Connecting to WAN

You should connect the LAN network to WAN first and do the port forwarding, connect as figure 3-7.

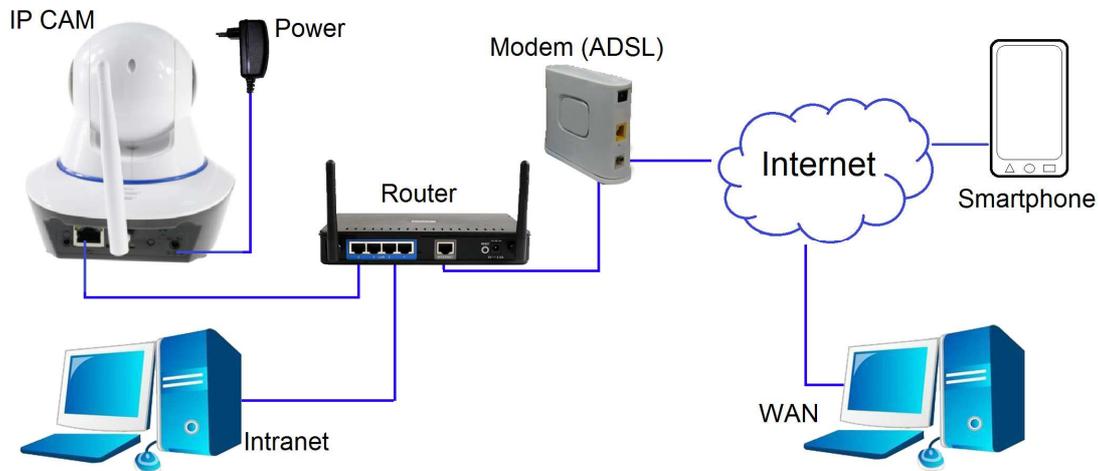


Figure 3-7

IP Cam		Modem (ADSL)	
Power		Internet	
Intranet		Smartphone	
Router		WAN	

If visit IP Camera from WAN, you **must** do port forwarding on the router. Example of figure 3-8.



Figure 3-8

Operation Steps:

- 1) After login the interface of the router, choose “Port Forwarding”;
- 2) Choose “Add custom Service”;
- 3) Input IP camera http port;
- 4) Input IP address of IP camera, click “Apply”.

After finishing the port forwarding, you can use WAN IP address of router and http port of camera to visit the camera by remote computer as figure 5.

Notice: Because the routers are different, so the interface and setting method of router are also different, how to do the port forwarding for various routers, please refer to the user manual of your router or consult with router manufacturer.

4. Operation of Browser

4.1 View video

After installing the plug-in, click “livestream mode (for Internet Explorer),” as Figure 3-4 to view the video. Your display should look similar to figure 4-1.



Figure 4-1

Audio, Talk, Record, Snapshot

You can click     these buttons to perform audio, talk, record and snapshot functions.

Notice: About recording path, click  button to enter setting interface. Under Device basic information you can set “Local Recording Path” for saving manual taken snapshots and recordings, as seen in figure 4-2.

Local record path	
Local record path	C:\ <input type="button" value="select..."/>
Record file length(MB)	<input type="text" value="100"/> Least 100MB , MAX 1000MB
Record time length(Minute)	<input type="text" value="5"/> Least 5 Minutes , MAX 120 Minutes
Reserved disk space(MB)	<input type="text" value="200"/> Least 200MB
Record cover	<input type="checkbox"/>

Figure 4-2

Multipicture change button

If you add multiple devices in chapter 4.6.1 “multi-device settings”, it will connect other device to display pictures automatically when changing to 4, 9 split screen



. In playing video area, you can select a picture to control audio, talk, record, snapshot, PT control and etc.

Viewing control area

You can control PT moving, picture reversal, mirroring and etc. when viewing video. See figure 4-3. Adjusting picture parameters includes resolution, brightness, contrast, chroma and etc. The camera supports 16 preset points. You can set a as preset point by moving the camera via PT to the wanted place. You also can call a set preset point by selecting it. The camera moves to the selected preset point.

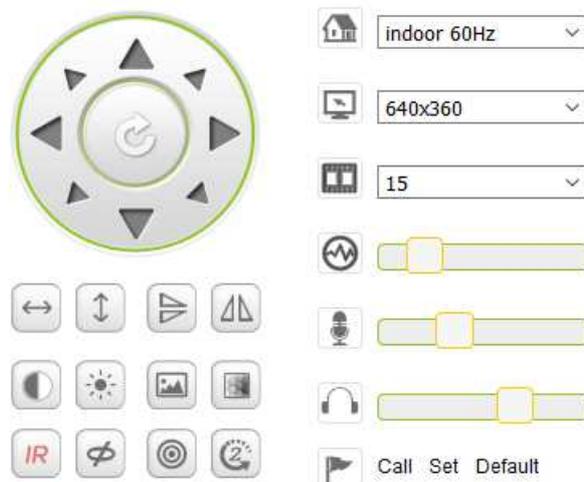


Figure 4-3

	Horizontal patrol		
	Vertical patrol		
	Reversal		
	Mirror		
	Contrast		
	Brightness		
	Chroma		
	Saturation		
	IR LED switched ON /Auto		IR LED Switched OFF
	Switched OFF		Switched ON
	Resolution: CBR		Resolution: VBR
	PT speed setting: Slow, Medium, Fast		

Notice:  button can control work mode of IR LED. IR LED may have auto, forced close two mode, the IR LED will power on or off according to environment light in auto mode; the IR LED always power off in forced close mode. Some of the buttons above have no function with this camera model.

Important: If your live view isn't sharp enough, try to adjust it by turning the black ring in front of the lens. See chapter 2, figure 2-1, point 5.

Setting device parameters

Click  button to enter setting interface, you can set all parameters of the camera described in chapter 4.2 to 4.6. Only administrator can login to set these parameters.

4.2 Device basic information

4.2.1 Device information

The user can obtain “Device firmware version”, “Web UI version”, “Alias”, “MAC” and etc. You also can change the language here. The UPnP setting of the camera is always activated.

4.2.2 Alias setting

The user can name the camera, example for home, office etc.

4.2.3 Device date and time settings

You can enable “Synch with NTP Server” when the device is connected via WLAN or LAN, but you need to select the correct time zone where the camera is located, otherwise select “Sync with PC time” (we suggest this option).

Device date&Time Settings	
Device Clock Time	Mon, 27 Jun 2016 10:28:58 GMT
Device Clock Timezone	(GMT +02:00) Athens, Jerusalem, Cairo, Helsinki ▾
Sync with NTP Server	<input checked="" type="checkbox"/>
Ntp Server	time.windows.com ▾
	<input type="button" value="Sync with PC Time"/>

Figure 4-4

Remark: Please carefully check the camera time, so it can be sure the alarm accuracy.

4.2.4 Local recording path

The camera will be automatically create a file folder named “Record files” when the user set “local recording path” function. Here only manual taken snapshots and recording files will be saved. To select the path click on “select...” and choose by clicking with the mouse the right directory. See figure 4-5.

Local record path	
Local record path	<input type="text"/> <input type="button" value="select..."/>
Record file length(MB)	<input type="text"/> Least 100MB , MAX 1000MB
Record time length(Minute)	<input type="text"/> Least 5 Minutes , MAX 120 Minutes
Reserved disk space(MB)	<input type="text"/> Least 200MB
Record cover	<input type="checkbox"/>

Figure 4-5

4.2.5 MicroSD Card Record Schedule

Here you can see the total capacity of the MicroSD card in MB. Also you can format the MicroSD card. Record coverage can be checked to automatically overwrite the oldest file (loop recording). After checking the Timer recording box you can set the time schedule. By clicking on the schedule the activated part turns blue. Every hour is separated into 4 part of 15 minutes.

Record Schedule	
sd total capacity(M)	3781 M
sd state	SD card has been inserted <input type="button" value="Format"/>
Record coverage	<input type="checkbox"/>
record audio	<input type="checkbox"/>
Timer recording	<input checked="" type="checkbox"/>
select all	<input type="checkbox"/>
Day	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Sun	
Mon	
Tue	
Wed	
Thu	
Fri	
Sat	
<input type="button" value="Set up"/> <input type="button" value="Refresh"/>	

Figure 4-6

4.2.6 Voice setting

Under voice setting you can select the language (German or English) in which the camera is telling you its status. You also can disable this function by muting.

4.3 Alarm Settings

4.3.1 Alarm service setting

If user need to monitor a fixed area, when there is any motion, it will detect the motion and trigger the alarm. In the motion detect sensibility, the smaller the value, the more sensitivity.

After enable the alarm, you can adopt several alarm mode in armed time.

- Link to the Preset when alarming: Need to set preset point of the camera;
- Send alarm info by email (email includes a picture); every alarm trigger one email;
- Upload the picture to the FTP server, user can also set the amount of the pictures.

Device only triggers alarm when it detects any motion in armed time. User can set schedule time to be “all the time”, also assign the armed time. Before you set “Time Schedule”, please go to Date and Time settings to set the correct time

Alarm Service Settings																								
Motion Detect Armed	<input type="checkbox"/>																							
alarm audio Sensibility	forbid detection ▾																							
Infrared alarm	<input type="checkbox"/>																							
Alarm Input Armed	<input type="checkbox"/>																							
Alarm trigger event																								
Alarm Arming Time																								
select all	<input checked="" type="checkbox"/>																							
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

Figure 4-7

After enabling Motion Detect Armed you can see the following options.

Motion Detect Sensibility	Set the sensibility fro 1 to 10 (The smaller the value, the more sensitivity.)
Alarm Audio Sensibility	Choose to get alarmed if noise is detected (low, medium, high or forbid).
Infrared alarm (not supported)	Check the box to activate the PIR sensor
Alarm Input Armed (not supported)	Check the box for external alarm
Trigger Level (not supported)	Set up an external alarm input low or high
Alarm Preset Linkage	Choose a preset here. When motion is detected the camera will go to the selected preset position.
I/O Linkage on Alarm (not supported)	Check the box for exporting control alarm signal
Output Level (not supported)	Set up the output level to low or high
Send Alarm Notification by Mail	Check the box to get informed by E-mail when motion is detected. The E-mail is with a picture attached. Note: You have to set the E-mail settings first.
Upload Image of Alarm	Check the box. When motion is detected and the FTP server is set the picture will be uploaded to the set FTP server.
Upload picture number	Set the amount (1-10) of pictures that should be saved on the FTP server.
Alarm recording	Check the box. The camera will record video with audio.
Scheduler	Check the box to activate the Schedule.
Select all	Check the box to select the complete schedule.

4.3.2 Mail Service Setting

When alarming is detected, it can send email to your appointed email box, but you need to set email service parameters correctly. Example of figure 4-8, click “Set up” to save these parameters, and then you can click “Test” to check if the setting is successful. To enter the information about SMTP server search your email provider on the internet and choose the right settings to fill in figure 4-8. Our WEB Plug-IN will support you.

Mail Service Settings	
Sender	<input type="text"/>
SMTP Server	<input type="text"/> Please select <input type="button" value="v"/>
SMTP Port	<input type="text"/>
Need Authentication	<input checked="" type="checkbox"/>
SSL	NONE <input type="button" value="v"/>
SMTP User	<input type="text"/>
SMTP Password	<input type="text"/>
Receiver 1	<input type="text"/>
Receiver 2	<input type="text"/>
Receiver 3	<input type="text"/>
Receiver 4	<input type="text"/>
	<input type="button" value="Test"/> Please set at first, and then test.

Figure 4-8

4.3.3 FTP Service Setting

When alarming, the device will snap local picture and send them to FTP server, but need to set the FTP setting correctly. As figure 4-9, after the setting is finished, click “Test” to check your settings are correct or not.

Ftp Service Settings	
FTP Server	<input type="text"/>
FTP Port	21 <input type="text"/>
FTP User	<input type="text"/>
FTP Password	<input type="text"/>
Upload picture period	0 <input type="text"/> 0 show no pictures upload(30~3600)
	<input type="button" value="Test"/> Please set at first, and then test.

Figure 4-9

Notice: For using the FTP function, you need to apply a user with authority that you can write and create submenu and some memory space. For FTP server just insert the IP address.

4.3.4 Log

You can inquire when the device performs alarm in alarm log.

Log		
2016-06-27	14:11:40	alarm is happen for motion
2016-06-27	14:11:30	alarm is clear
2016-06-27	14:10:59	alarm is happen for motion
2016-06-27	14:10:58	alarm is clear
2016-06-27	14:10:28	alarm is happen for motion
2016-06-27	14:10:27	alarm is clear
2016-06-27	14:09:56	alarm is happen for motion
2016-06-27	14:09:54	alarm is clear
2016-06-27	14:09:23	alarm is happen for motion
2016-06-27	14:09:19	alarm is clear
2016-06-27	14:05:38	videostream is run
2016-06-27	14:05:19	alarm is happen for motion
2016-06-27	14:05:17	alarm is clear
2016-06-27	14:04:46	alarm is happen for motion
2016-06-27	14:04:44	alarm is clear
2016-06-27	14:04:13	alarm is happen for motion
2016-06-27	14:04:13	alarm is clear
2016-06-27	14:03:42	alarm is happen for motion

Figure 4-10

4.4 Network configuration

4.4.1 Basic network settings

The user can also enter the Basic Network Settings to set the IP address except using the search software "IPCameraSearch". Default setting here is DHCP. See figure 4-11 below.

Basic Network Settings	
Obtain IP from DHCP Server	<input type="checkbox"/>
IP Addr	<input type="text" value="192.168.1.145"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="192.168.1.1"/>
DNS Server1	<input type="text" value="8.8.8.8"/>
DNS Server2	<input type="text" value="192.168.1.1"/>
Http Port	<input type="text" value="80"/>

Figure 4-11

Remark: The router connected to camera need to enable DHCP when the user uses "obtain IP from DHCP server"; the routers enable DHCP by default.

4.4.2 Wireless Lan settings

Please refer to chapter 3.2.

First scan your environment. Then choose your Wireless network. Check the box, select network type, select the authentication of your router and insert the password of the router. Press Set up to save the settings.

Wireless Lan Settings	
	<input type="button" value="Scan"/>
Using Wireless Lan	<input checked="" type="checkbox"/>
SSID	<input type="text" value="RMA DLINK"/>
Network Type	<input type="text" value="Infra"/>
Authetication	<input type="text" value="WPA2-PSK Personal (TKIP)"/>
Share Key	<input type="text" value="1234abcd"/>

Figure 4-12

4.4.3 DDNS Service setting

User can also use DDNS, such as www.dyndns.com. User must apply a free domain name from this website and fill the info into the below blanks (Figure 4-13) and save the settings. Then the domain name can be used.

DDNS Service Settings	
DDNS Service	<input type="text" value="DynDns.org"/>
DDNS User	<input type="text"/>
DDNS Password	<input type="text"/>
DDNS Host	<input type="text"/>
DDNS Status	No Action
proxy config is needed if the device is in China Mainland or HongKong	

Figure 4-13

Notice: Using the domain name, if the http port is not 80, the port number should be adding to the domain name with colon. Example: **<http://btest.dyndns.biz:81>**.

Also you have to register a new account for the DDNS service by yourself.

4.5 PT configuration

Signal lamp	Set open /close to turn the Indicator light ON /OFF
against pre-bit	Check the box to disable the preset function.
Call Preset on boot	Select the preset position that the camera should move to after the reboot/ power failure of the camera.
PT Speed	Set the speed for the camera movement low, high or fast.
Cruise Views	Select the amount of cruises from the dropdown menu. The camera will cruise for the selected amount of cruises. When you set cruise views to always camera turns all the time but will automatically stop after cruising one hour.

PTZ Settings	
Signal lamp	<input type="text" value="open"/> ▾
against pre-bit	<input type="checkbox"/>
Call Preset on boot	<input type="text" value="Disable"/> ▾
PTZ Speed	<input type="text" value="Med"/> ▾
Cruise Views	<input type="text" value="Always"/> ▾

Figure 4-16

4.6 User and device setting

4.6.1 Multi-device Setting

Like Figure 4-17 user can add maximum 9 devices to view video simultaneously. Click “refresh” button to check the device in the LAN. First choose a device on the left, like “The 2nd Device” and click on it. The setting dialogues will popup. Now enter the device info manual (or by clicking on the device you want to be added) fill in user and password. Click “Add” to add device. After that, you must click “Set up” button to save device.

Multi-Device Settings	
Device List in Lan	<div style="border: 1px solid gray; height: 40px; width: 100%;"></div> <input type="button" value="Refresh"/>
The 1st Device	This Device
The 2nd Device	None
The 3rd Device	None
The 4th Device	None
The 5th Device	None
The 6th Device	None
The 7th Device	None
The 8th Device	None
The 9th Device	None
<small>attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet.</small>	

Figure 4-17

4.6.2 User Settings

Visitor	It is only allowed to view the live stream.
Operator	You can additionally set PT, bidirectional talk, change resolution, set contrast, brightness and etc.
Administrator	You can set up every setting as administrator.

Users Settings		
	User	Password
Visitor	<input type="text"/>	<input type="text"/>
Operator	<input type="text"/>	<input type="text"/>
Administrator	admin	<input type="text"/>

Figure 4-18

4.6.3 Maintain

Upgrade Device Firmware			
Restore Factory Settings	<input type="button" value="Restore Factory Settings"/>		
Reboot Device	<input type="button" value="Reboot Device"/>		
Upgrade Device Firmware	<input type="button" value="Durchsuchen..."/>	Keine Datei ausgewählt.	<input type="button" value="Upgrade"/>
Upgrade Device Embedded Web UI	<input type="button" value="Durchsuchen..."/>	Keine Datei ausgewählt.	<input type="button" value="Upgrade"/>

Figure 4-19

Click “Restore factory settings”, it will pop up a dialog to ask you if restore to factory settings, the camera will restore factory settings and reboot after you confirmed. If there is any issue with the camera you also can reboot the camera by clicking on Reboot Device.

There are two types of software in the camera, one is the device firmware, another is Web UI and you can upgrade them respectively.

5. PC software instructions

PC software can realize the function of monitoring, setting, viewing the remote records and other functions on the PC.

Power on the IP camera, connect IP camera to router by network cable, meanwhile, connect computer to the same router. Startup the computer, open the CD disk on the computer, and choose Security Advanced PC Client from the CD, install the software and run it. After starting the Software the following window will appear, figure 5-1.

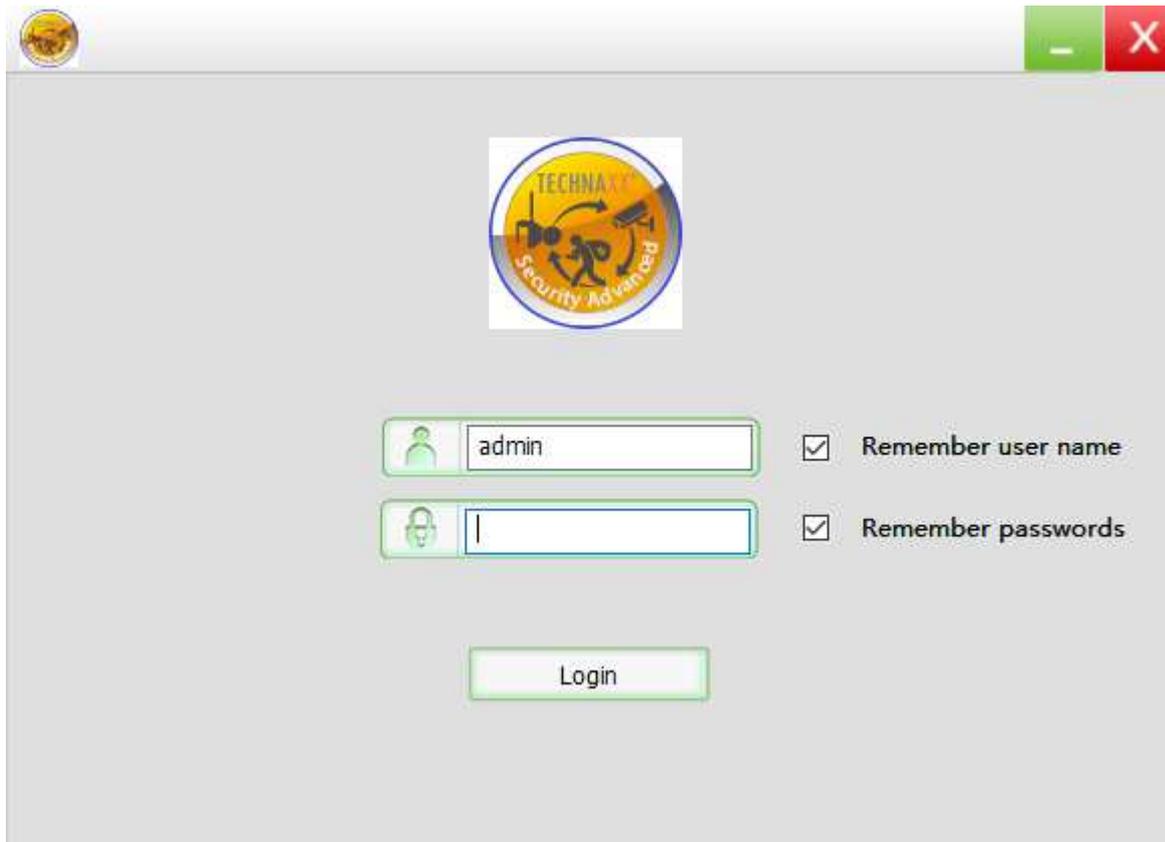


Figure 5-1

To login enter the username and the password you set the camera.

5.1 Add camera

To add a camera click on "Manage" like seen in figure 5-2.

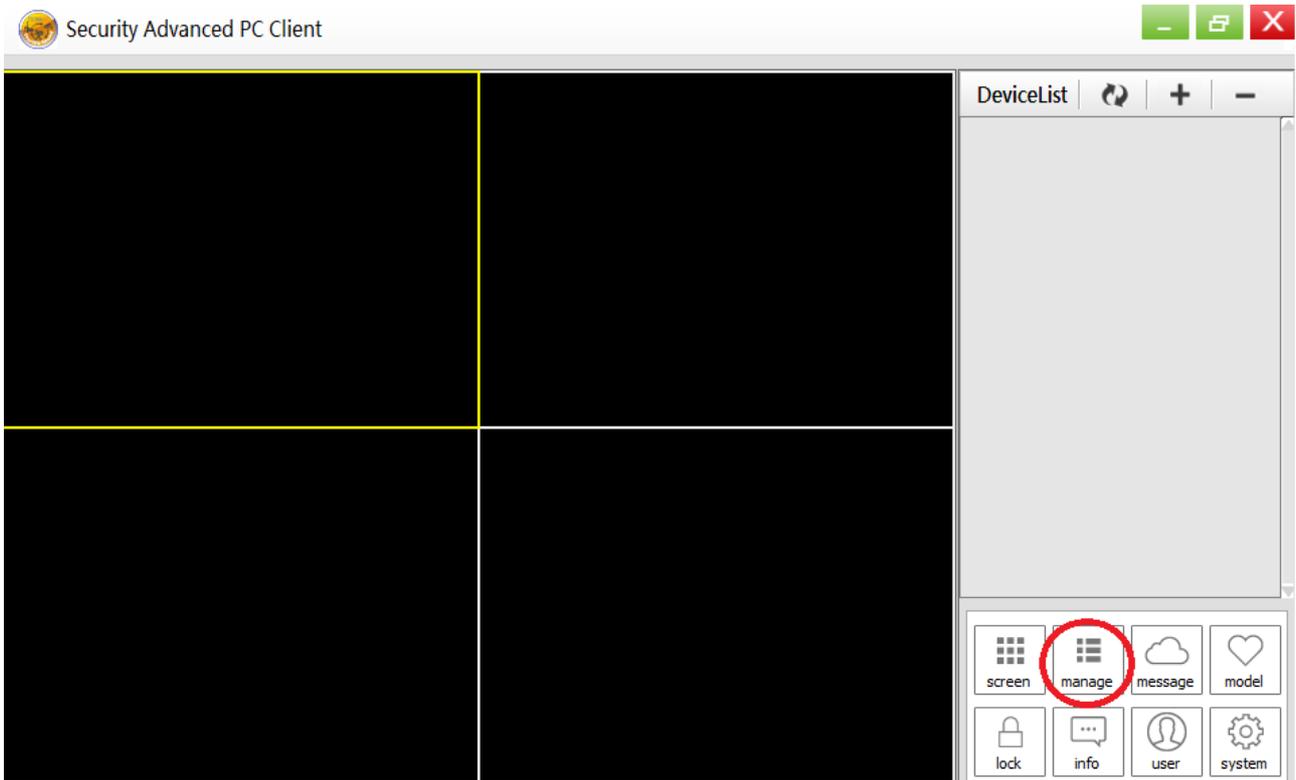


Figure 5-2

In the new window that has opened, click “search” on the bottom. See figure 5-3.



Figure 5-3

The LAN will be scanned for devices. When a device is found it will be listed. See figure 5-4.

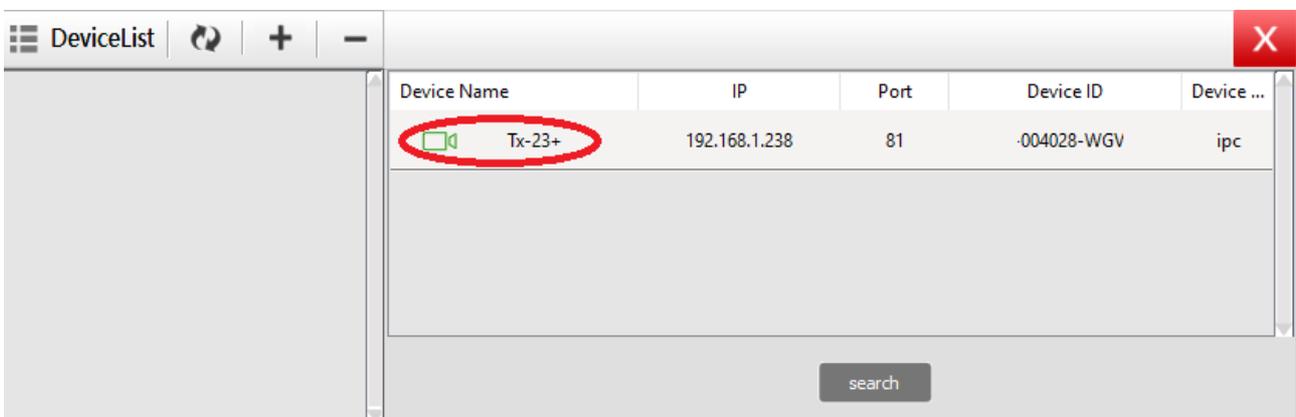


Figure 5-4

Double click on the device name you want to add. See figure 5-5. Enter password and click “OK”, then finish the camera adding. When it is the first time adding the camera and the password wasn’t modified, no need to enter the password, because the factory default value of the password is empty.

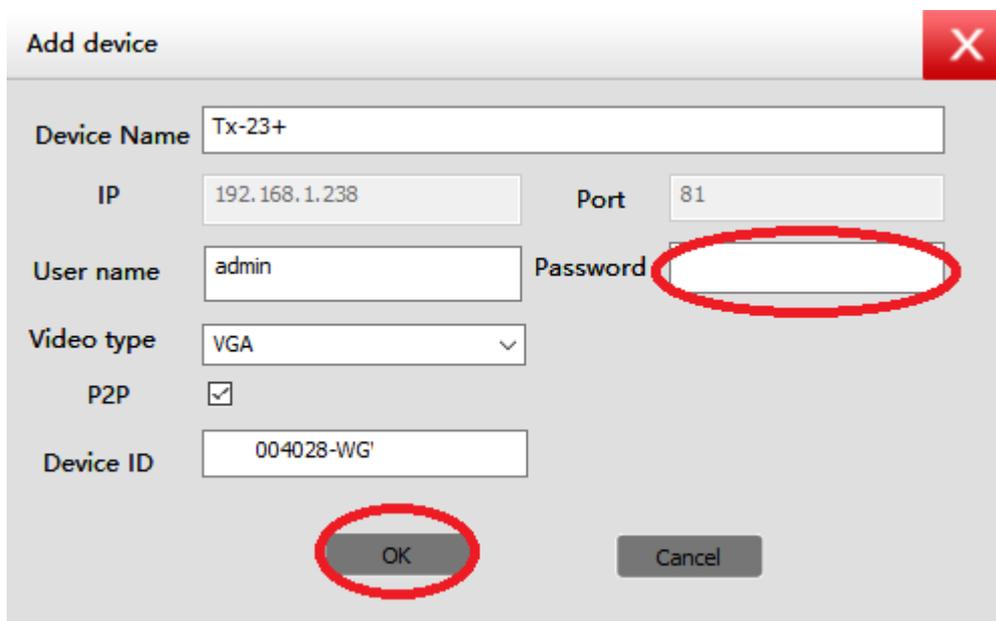


Figure 5-5

In the main interface of computer software, click the camera in the list and drag it to a channel on the left.

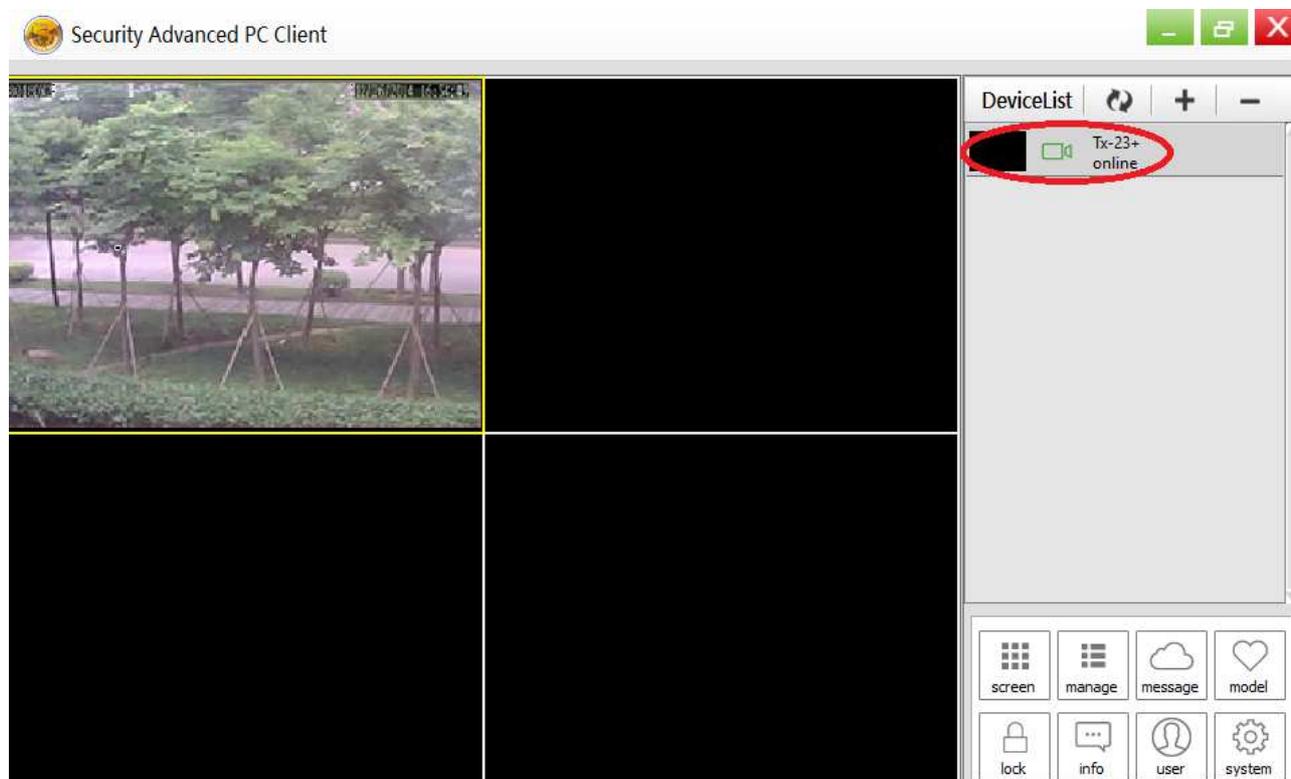


Figure 5-6

Click  next to the camera name (Figure 5-7), and enter the camera setting list you see in figure 5-8.

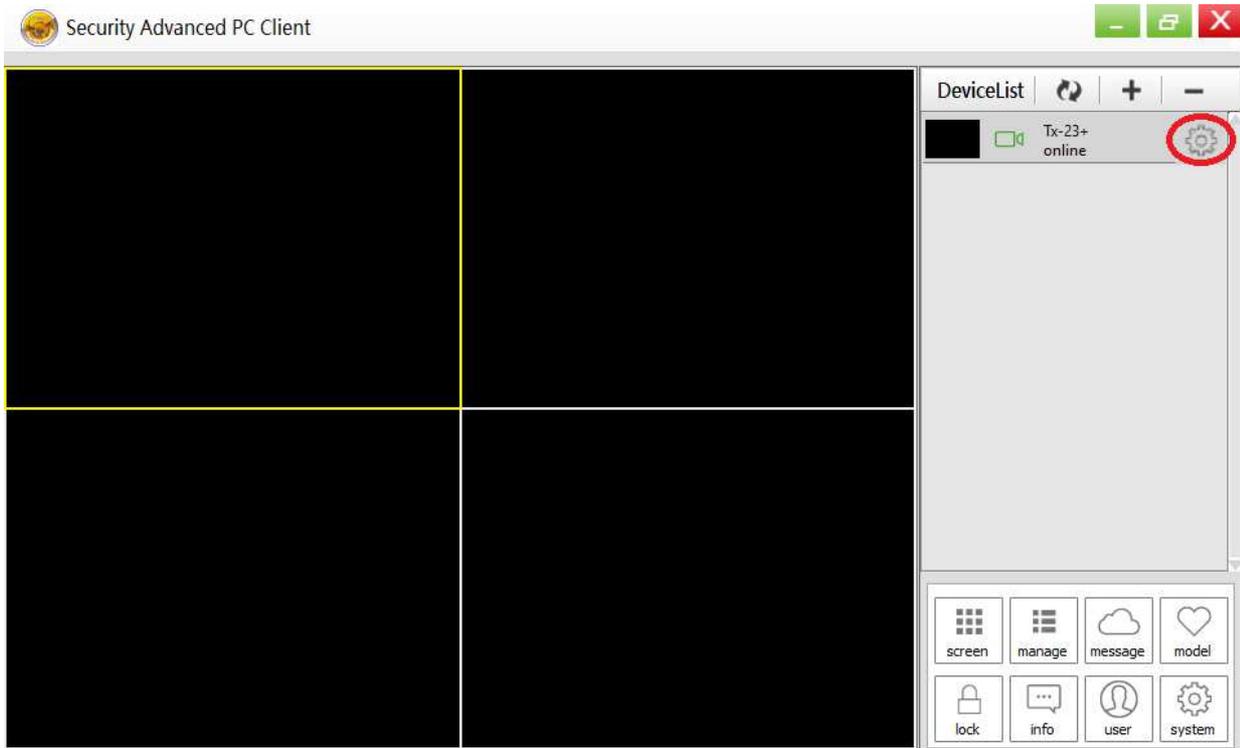


Figure 5-7

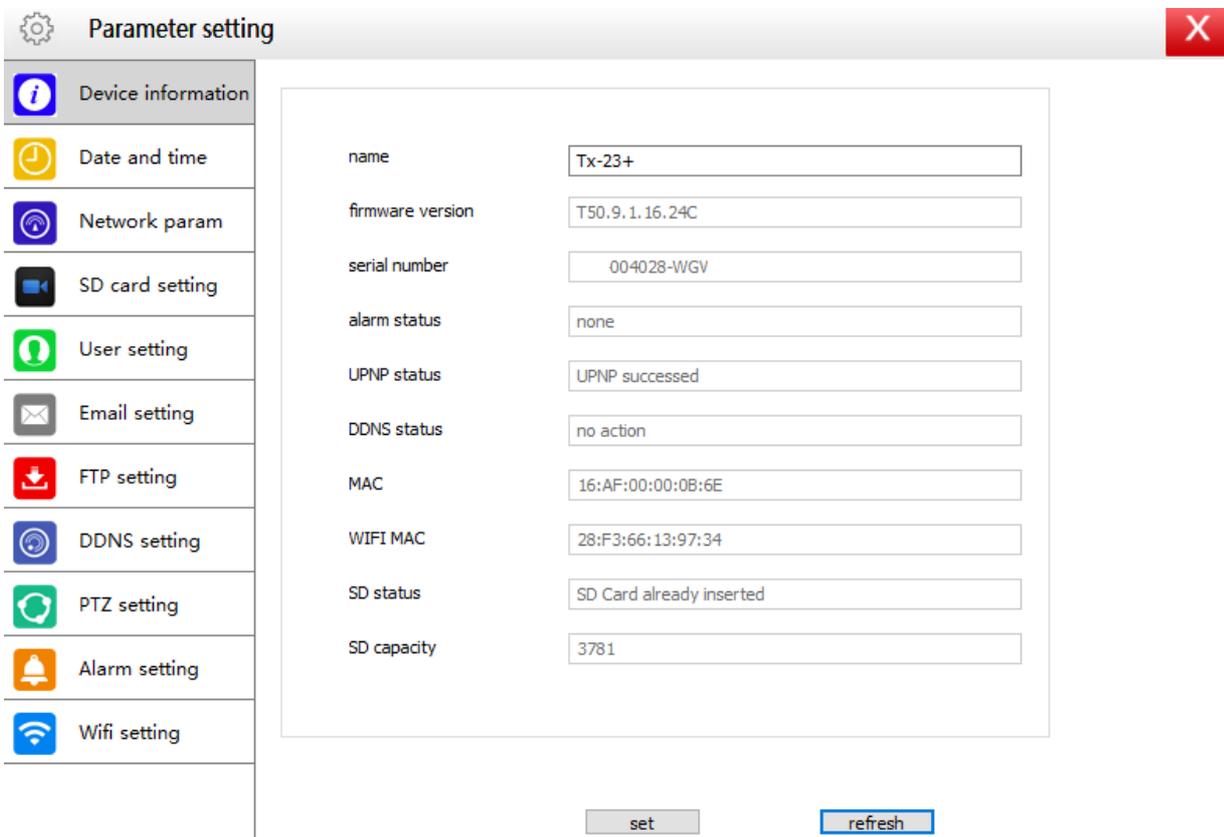


Figure 5-8

Notice: For your own safety please customize the password before you make any further settings. Go to User setting (figure 5-8) and set a customized user and password. For different user class refer to chapter 4.6.2.

6. Mobile phone software (Security Advanced)

6.1 APP download

6.1.1 Android APP download

Search the software “Security Advanced” in the Google Play Store, and install it to your Smartphone. Click on the APP icon “Security Advanced” to run it.



6.1.2 iOS APP download

Search the software “Security Advanced” in the Apple App Store on your iPhone, download it and install it on your iPhone. Click on the APP icon “Security Advanced” to run it.

6.2 Add camera to the APP

There are 3 ways for adding camera:

1. One key to add
2. Scan the QR on the device
3. Search device in the LAN

6.2.1 One key to add

Connect the camera to the included power supply to startup the camera, wait for 90 seconds. Connect your Smartphone to the WIFI and open the Security Advanced APP. Operate according to the following steps. See figure 6-1 and figure 6-2:

- (1) Click “Add device” to enter the adding device interface.
- (2) Click “One key to add” to enter the interface of one key to configure the WIFI.
- (3) Enter the WIFI password which the Smartphone is connected with.
- (4) First turn up or on the volume of the Smartphone, aim the speaker of the Smartphone at the microphone of the camera. Press “Start Configuration”

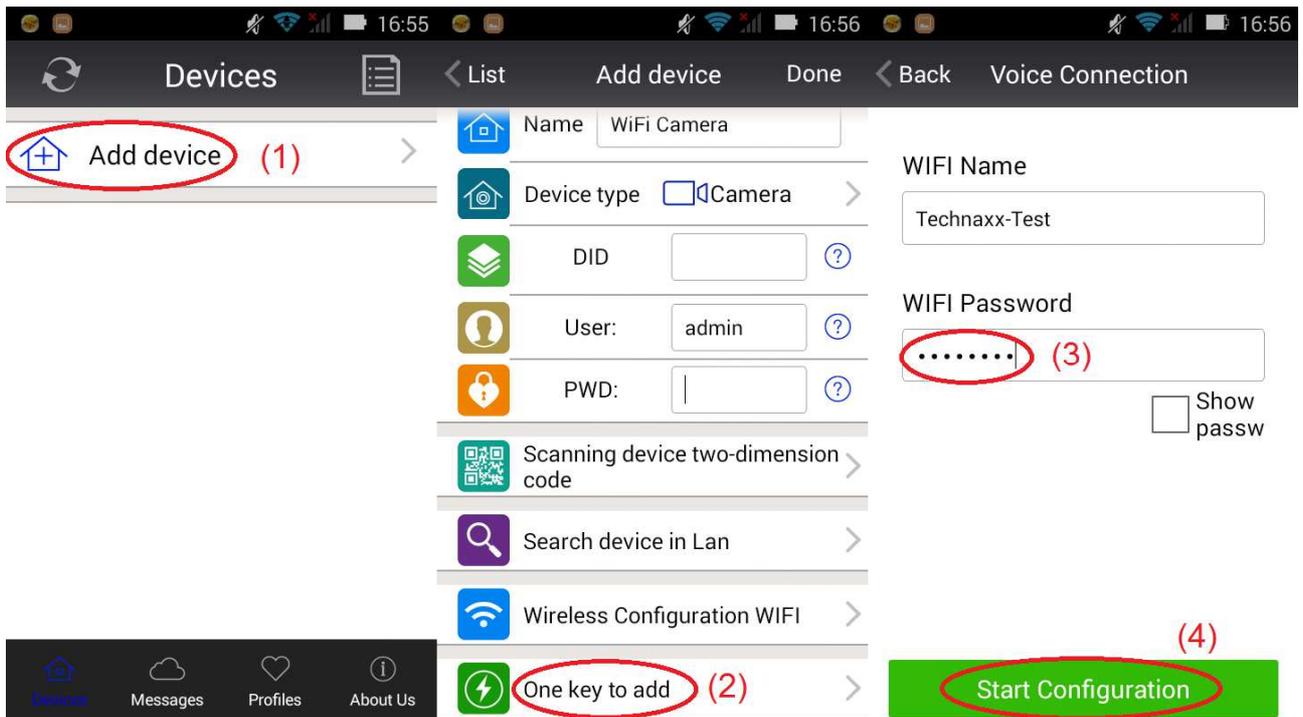


Figure 6-1

(5) After camera configuration was successful, the APP can search out the camera DeviceID and show it out. Click on the DeviceID in the list and enter the adding camera interface. (if point (5) isn't shown go back and search camera per LAN)

(6) Enter the camera password

(7) Click "Done", then the adding of the camera is finished.

Notice: The camera initial password is empty, when first using, no need to enter the password and by clicking "Done" directly the setting will be ok.

Important: After first login change the password! (Chapter 4.6.2 User settings)

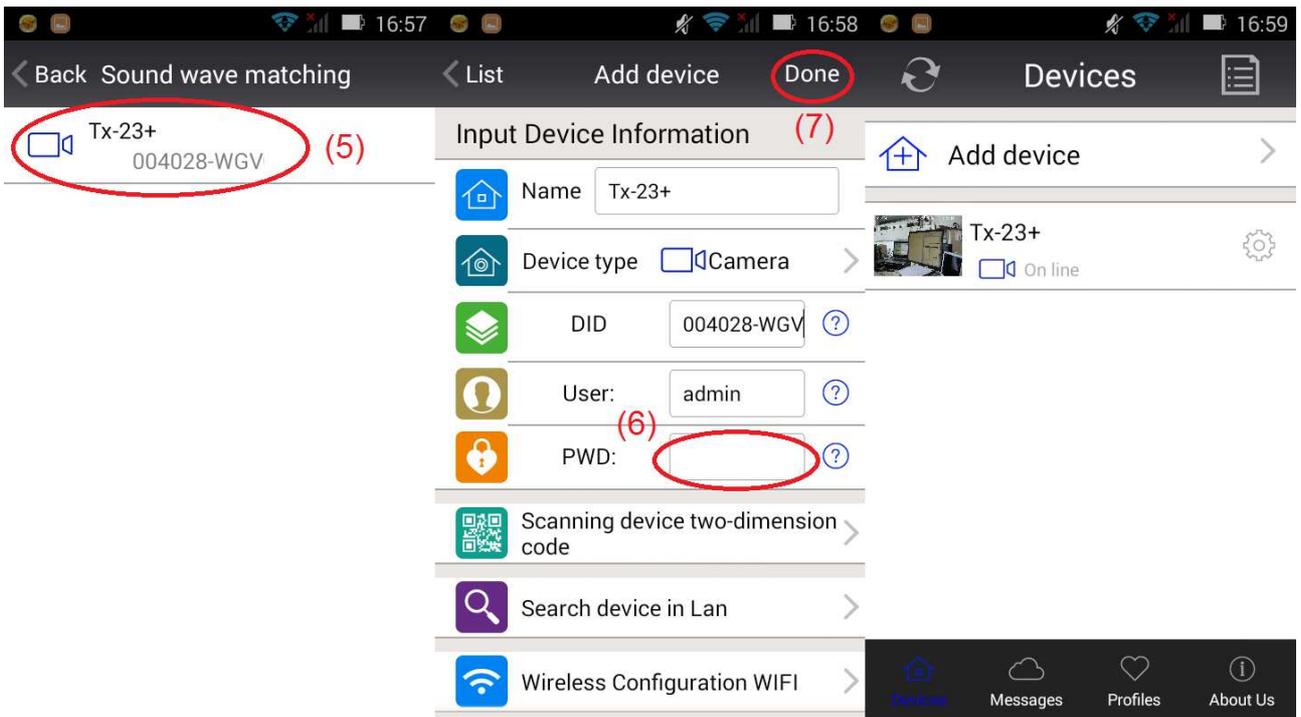


Figure 6-2

6.2.2 Scan the QR code on the device

Connect the camera to the router through the network cable and plug in the power supply to startup the camera.

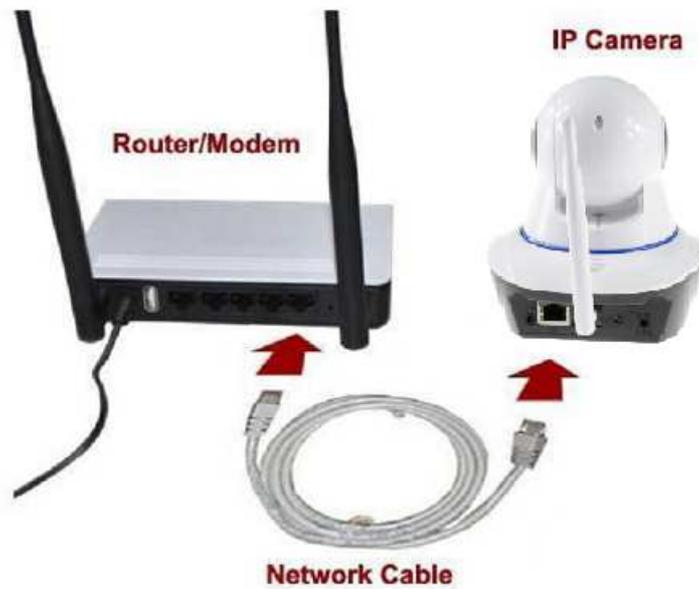


Figure 6-3

Router/Modem
Network cable
IP Camera

Open the APP Security Advanced and operate according to the steps below:

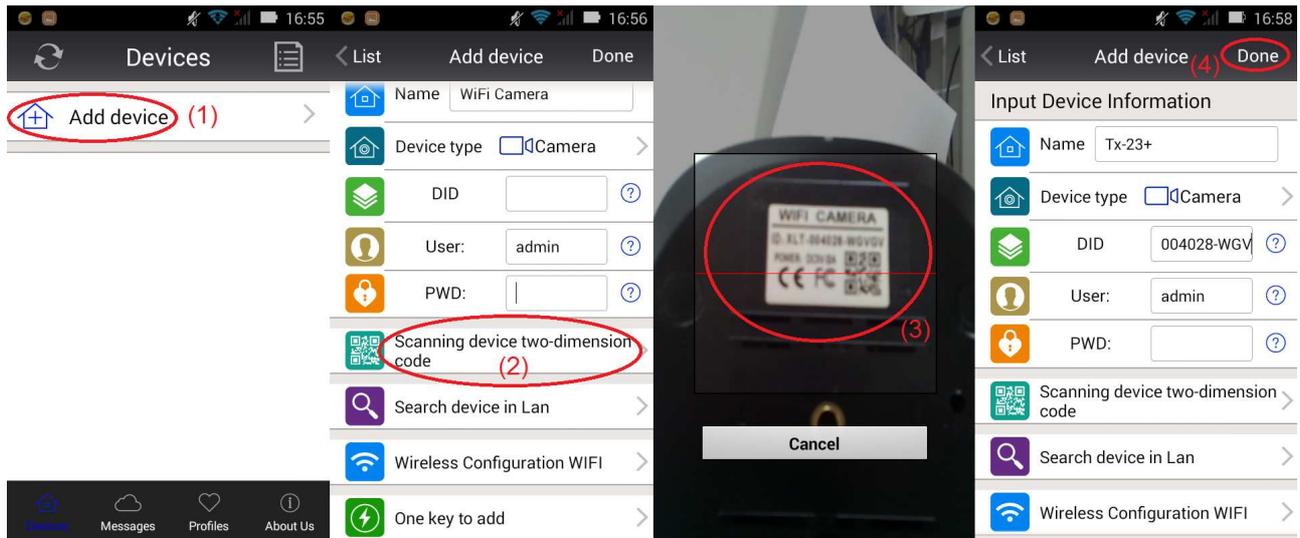


Figure 6-4

(1) Open the APP and click “Add device” to enter the adding device interface. (2) Click “Scan QR code” (QR= two dimension) to enter the QR scanning status (Notice: If a pop-up window shows up authorizing the APP to use the mobile phone camera, please select YES.) (3) Aim the Smartphone camera at the QR code on the camera and scan it. (4) Enter the camera password and click “Done”, than the adding of the camera is finished.

Note: The camera initial password is empty, when first using, no need to enter the password and by clicking “Done” directly the setting will be ok. **Important:** After first login change the password! (Chapter 6.4 User settings)

6.2.3 Search device via the LAN to add camera

Connect the camera to the router through the network cable and plug in the power supply to startup the camera. Open the APP Security Advanced and operate according to the steps below:

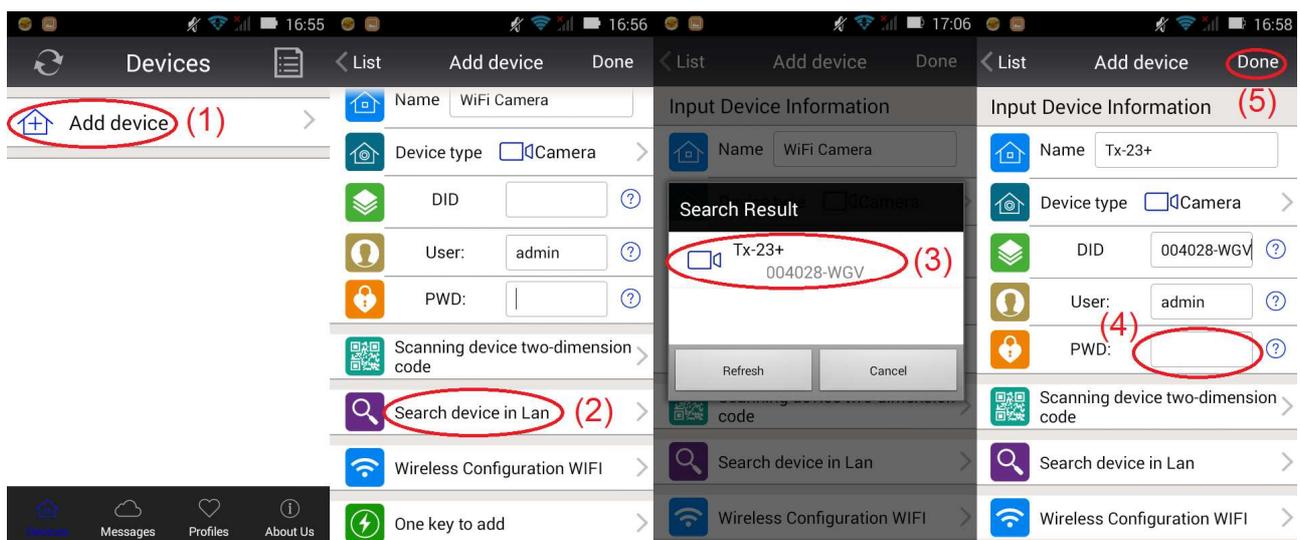


Figure 6-5

(1) Open the APP, and click “Add device” to enter the adding device interface. (2) Click “LAN search” to enter the interface which is searching the camera DeviceID in the LAN. (Notice: The Smartphone and the camera should be connect to the same network) (3) If DeviceID is found, you can directly click on it to add the camera into the list. (4) Enter the camera password (5) Click “Done”, then the adding of the camera is finished.

Notice: The camera initial password is empty, when first using, no need to enter the password and by clicking “Done” directly the setting will be ok. **Important:** After first login change the password! (Chapter 6.4 User settings)

6.3 WIFI setting

To set or change the WIFI settings for your camera via your Smartphone follow the steps shown in the figures below:

(1) Open the APP Security Advanced, click the gear shape icon on the right side to enter the camera setting interface. (2) Click “WiFi setting” enter the WIFI setting interface. (3) Click “WiFi Manager” to search for WIFI nearby.

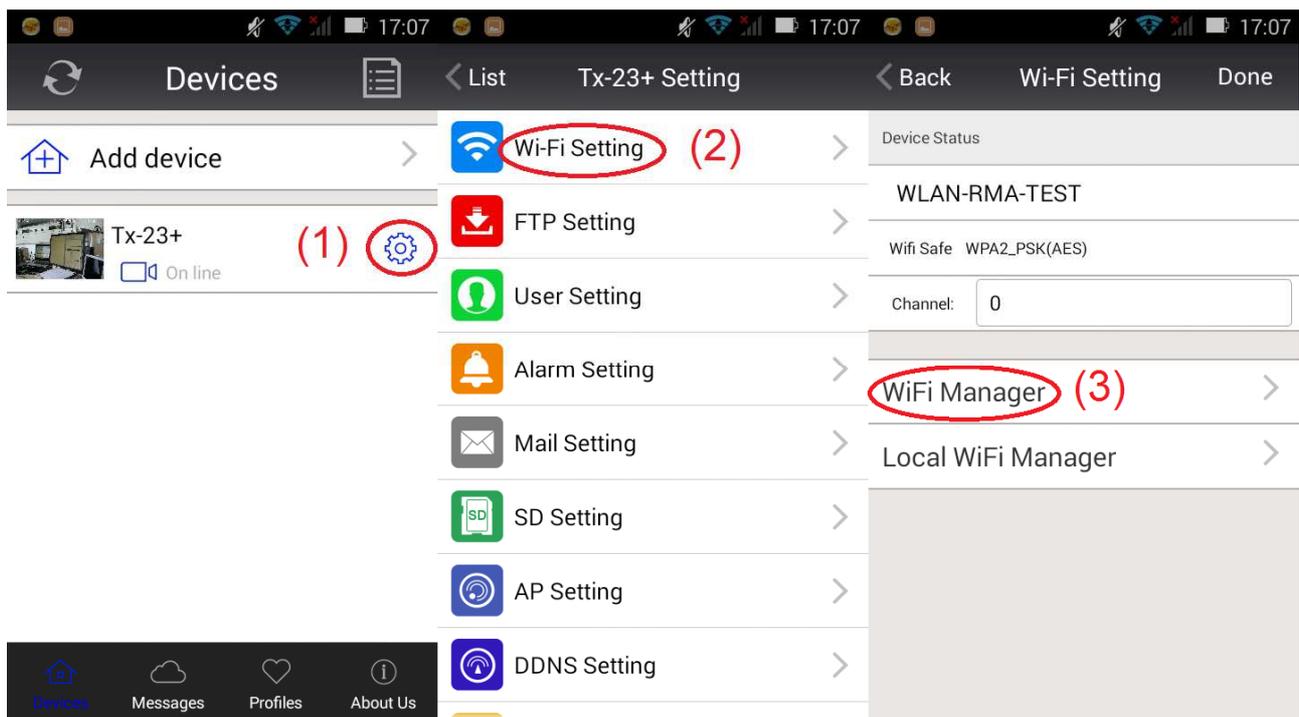


Figure 6-6

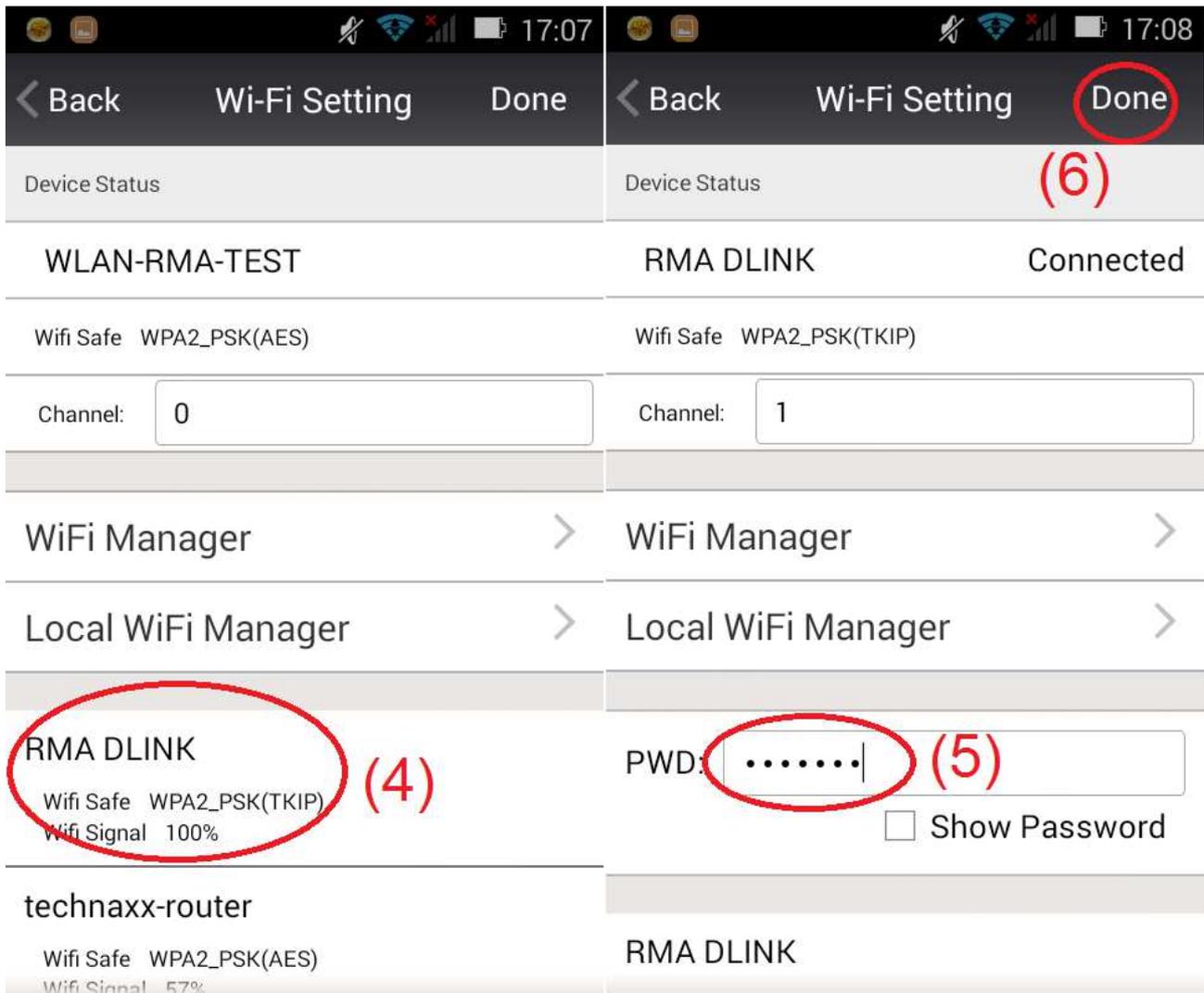


Figure 6-7

- (4) Select WIFI which need to add, and click it.
- (5) Enter the WIFI password under password.
- (6) Click "Done", the WIFI connection setting is finished.

Remark: If need help, please click on "About" "Help" in the Security Advanced APP, there is detailed description for each icon. The Android and IOS interface styles are basically the same, both of them can be operated according to this instructions.

6.4 User setting

To change the user name /password for Administrator or Operator via your Smartphone follow the steps shown in the figure 6-8 below:

- (1) Open the APP Security Advanced, click the gear shape icon on the right side to enter the camera setting interface.
- (2) Click “User setting” to enter the User setting interface.
- (3) Enter User name and Password
- (4) Click “Done”, the User setting is finished.

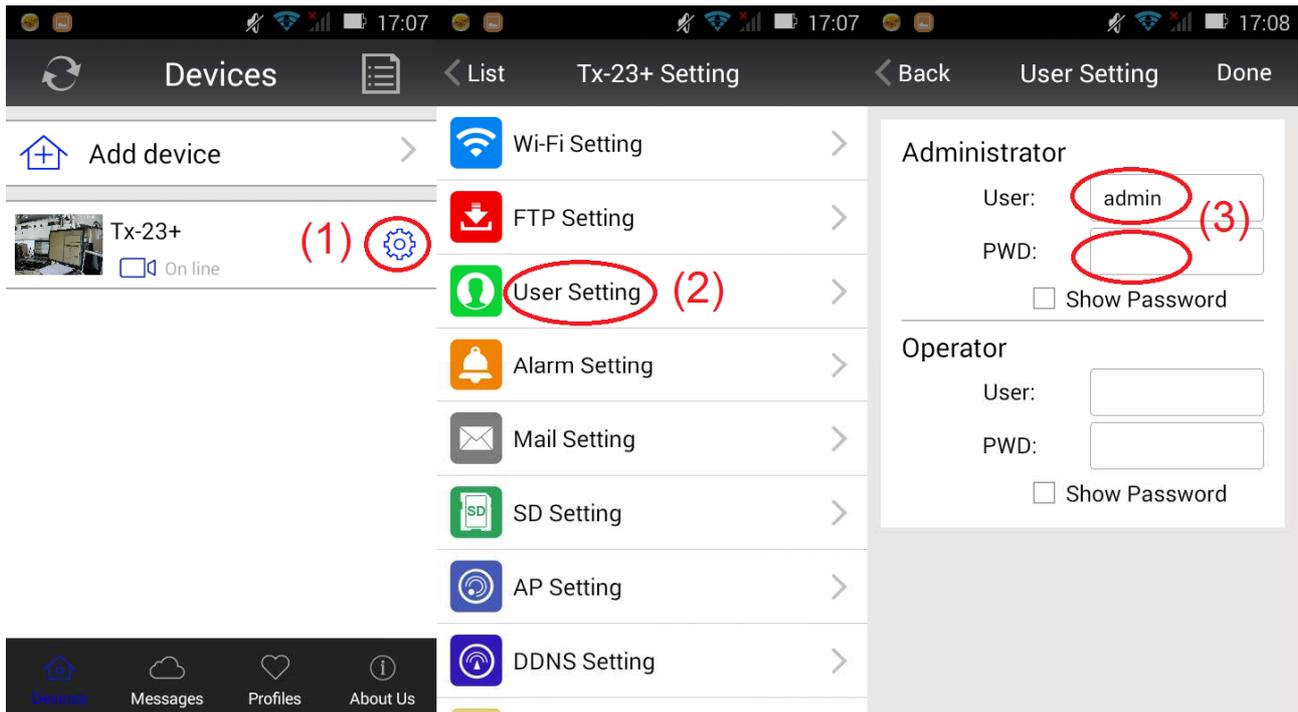


Figure 6-8

Remark: Remember or write down the user settings. If you forget the user data you have to reset (factory reset) the camera.

7. Technical Specifications

Camera	
Image sensor	1/4" 1Megapixel CMOS
Signal system	PAL/NTSC
Min. illumination	0.1Lux @ (F1.2,AGC ON), 0 LUX with IR
Shutter	1/50(1/60)s ~1/100000s
Lens	f=3.6mm@ F1.2 Horizontal field of view: 62.6°
Lens mount	M12
Rotation	120° vertical, 355° horizontal
Day/Night	built-in IR-CUT
Sync mode	internal synchronous
S/N ratio	> 40dB
Compression	
Video compression	H.264 /MJPEG dual video stream
Bite rate	128 Kbps ~ 4 Mbps
Audio compression	G.711
Image	
Video resolution	1280 x 720 HD maximum
Frame Rate	5–25fps @1280x720 / 640x480
Image Setting	Brightness, Contrast, Sharpness, Saturation adjustable through Web server
Network	
Intelligent alarm	Motion detect & Sound detection ~10m
Sensitivity	Sound detection 60dB minimum
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, SMTP, NTP, etc.
Wifi	802.11/b/g/n
Basic	Reset button, Anti-flicker, Dual stream, Password protection
Interface	
Audio input	Built-in microphone
Audio output	1ch, 3.5mm audio interface. Built-in speaker
Communication interface	1 RJ45 10M/100M self-adaptive Ethernet interface
Local storage	Supports MicroSD card up to 64GB
General	
Power Supply	DC 5V±10%
Power Consumption	5W maximum
IR distance	~10m
Operating Condition	-10°C~60°C, humidity 90% or less (non-condensing)
Weight / Dimension	350g / (L) 11.5 x (W) 13.0 x (H) 13.5cm

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