

Technaxx® * User Manual Smart WiFi Video Door Phone TX-82

WiFi camera with door opener function for the entrance door

The manufacturer Technaxx Deutschland GmbH & Co.KG hereby declares that this device, to which this user manual belongs, complies with the essential requirements of the standards referred to the Directive **RED 2014/53/EU**. 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
Warranty 2 years

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.

This product is compatible with the Technaxx products FullHD cameras TX-65, TX-66, TX-67, WiFi Alarm System TX-84 and surveillance monitor TX-89.

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2. Features

- See from everywhere who is in front of your house
- Decide from anywhere to unlock the door (or not)
- Possibility to connect with an electric door opener
- Use the door unlock by RFID (NFC) and APP
- Take a manual snapshot or video of the person in front of the TX-82 via the APP
- Use the mobile phone live preview
- Moreover, the TX-82 has a vandal proof alarm, as well as a configurable WiFi or LAN connection

- Video Door Phone with WiFi outdoor camera & door opener function via APP
- Connection via WiFi ~25m or network cable
- 1/4" CMOS image sensor HD with 1 MP
- Real Time Video HD 720P via APP
- Video resolution 1280x720
- 2.2mm lens: viewing angle 105° horizontal & 72° vertical
- Night Vision Function ~1–2m with IR-Cut
- Push Notice via APP by door ring & tamper alarm
- Access via free iOS & Android APP
- 2-way communication (built-in microphone & speaker)
- Supports RFID/NFC chip card to open the entrance door
- List of visitors with date & time
- Storage on MicroSD cards up to 32GB or FTP server
- IP65 camera protection class (against waterjet & dust)

3. Device structure - Abbreviations

- SVD: Smart Video Door Phone (TX-82)
- ISM: WiFi 7" Monitor TX-89 (additional available) (WEB: indoor station manager)
- MGT: Management
- MGT center: ISM or My Secure Pro PC Client (PC Software)
- RFID/NFC (Near Field Communication) → supports the unlook function via RFID/NFC & has a built-in Lock Control Module
- My Secure Pro PC Client: PC Software for viewing camera/doorphone
- IPC: IP camera
- Supports PoE (Power over Ethernet) & WiFi

3.1 Front Panel

Device front panel: figure 3-1 and chart 3-1

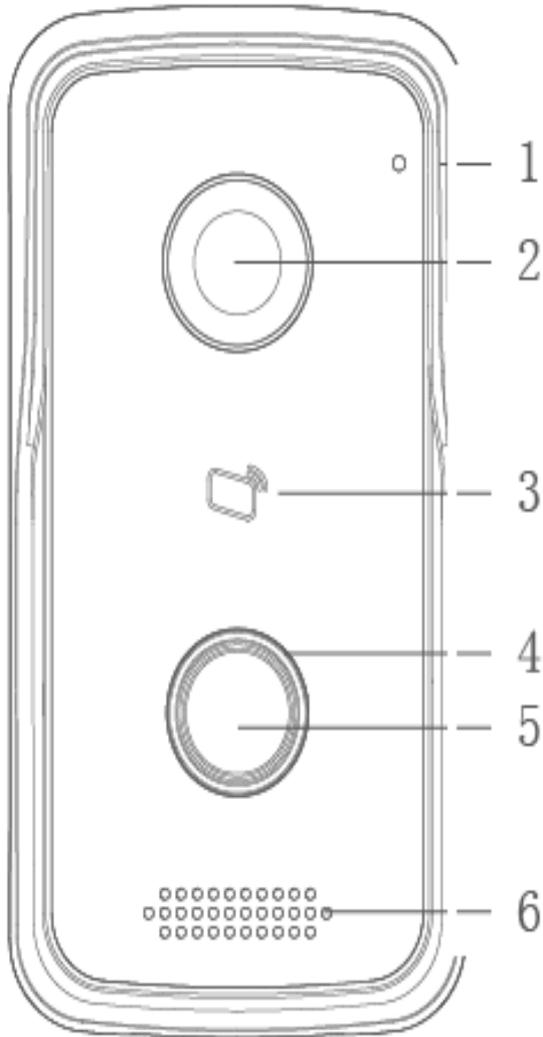


Figure 3-1 & Chart 3-1

No.	Port Name	Note
1	Microphone	Audio input
2	Camera	It monitors corresponding door region
3	Card Area	Authorize RFID (NFC) to unlock (card issuing), swipe card to unlock
4	Indicator	In standby the blue ring lights steady. Network offline, blue light flashes when call ISM or MGT center.
5	Call Button	Notifications via My Secure Pro App (or MGT center or ISM).
6	Speaker	Audio output.

3.2 Rear Panel

Device rear panel: figure 3-2 and chart 3-2

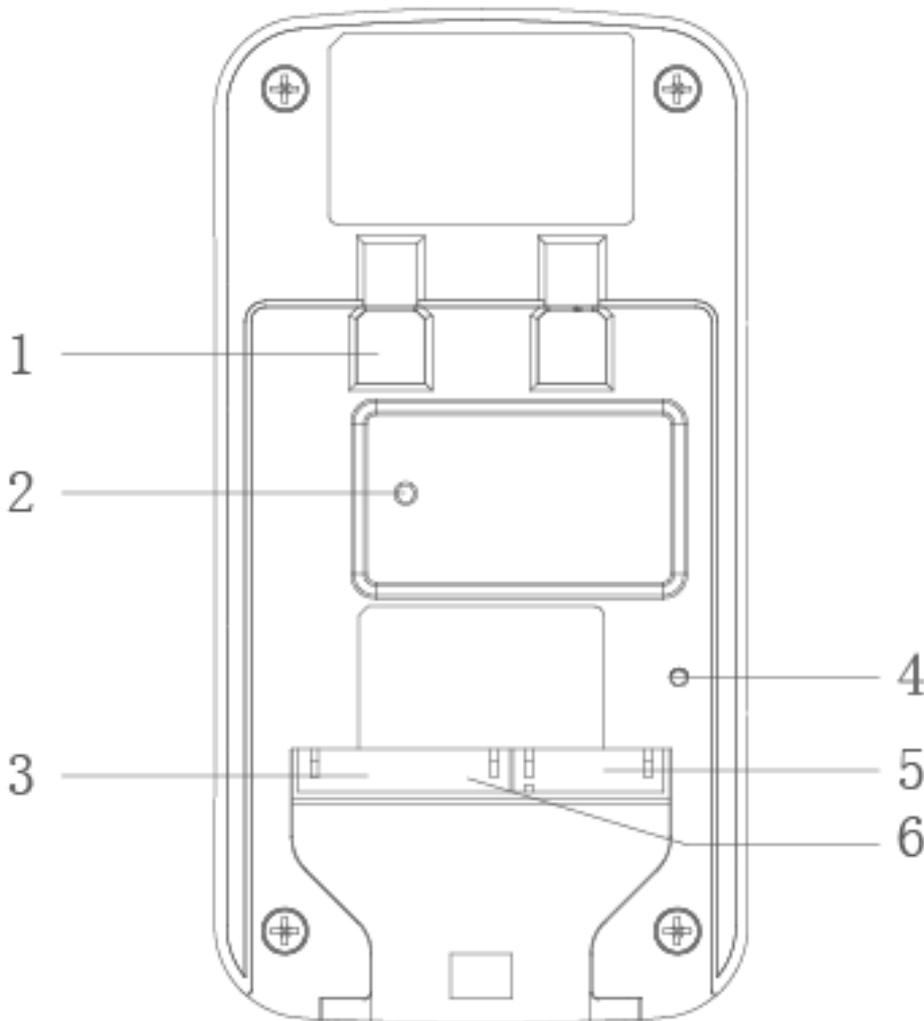


Figure 3-2 & Chart 3-2

No.	Component Name	Note
1	Bracket position	Bracket used to fix device and wall.
2	Vandal-proof switch	When TX-82 is forced to leave wall, an alarm is triggered, which will be shown in the My Secure Pro APP (or MGT center).
3	Alarm input / output interface	1-Ch alarm input
4	RESET Key	Press this key for 3–4 seconds to reset the WIFI configuration. If you press this key for 10 seconds, the system will restore the default settings.
5	RJ45 Interface	Standard Ethernet cable, support POE power.
6	Power Input Interface	DC 12V/1A input

4. Basics, Installation and Debug

4.1 Basic Function Introduction

TX-82 supports unlock by card and video talk with My Secure Pro App (or MGT center and ISM). In order to take full advantage of the functions of the device, you need the additional available TX-89 WiFi 7" Monitor (ISM).

4.1.1 Monitor

Download mobile phone App (My Secure Pro) and view video of TX-82 remotely. Refer to chapter 6.4.3 P2P. (You can also watch live view local via ISM or MGT center.)

4.1.2 Call Function

Press call button on device, to call My Secure Pro App (or MGT center or ISM).

- On ISM, press Unlock button to unlock door.
- When ISM picks up, you can start talk with the ISM.
- If no one answers the call, then the call will end automatically and device returns to Standby status (with connected ISM it is possible to leave a message on the MicroSD card of the ISM). Refer to chapter 6.2 LAN Config

4.1.3 Unlock

Unlock by Card

At card swiping area on TX-82, swipe authorized RFID (NFC) chip, then you can unlock door after passing verification. Refer to chapter 6.1.2 A&C Manager → Issue Card

Unlock via WEB Interface

When you are in the WEB Interface System Config → Video Set → Video setup under the live view is a button Open Door. By pressing this button you can also open the door. Over WEB interface there will be no notification. Refer to chapter 5. WEB Interface.

Unlock by My Secure Pro App

When My Secure Pro is called, calling or monitoring, you can remotely unlock the door via your Smartphone from home or from afar. TX-82 will return to standby mode after call ends or countdown stops. Refer to chapter 9. Use of My Secure Pro.

Unlock by MGT Center

When center is called, calling or monitoring, center can remotely unlock the door. TX-82 will return to standby mode after call ends or countdown stops. Refer to chapter 10. PC Software (MGT Center).

Unlock by ISM (Only usable with additional ISM)

When ISM is called, calling or monitoring, ISM can remotely unlock door. TX-82 will return to standby interface after call ends or countdown stops.

4.1.4 Restore Backup

Restore RFID (NFC) Info: If you encounter abnormality with card info or accidentally restore default settings, you can restore card info with this function.

Restore ISM Info: If ISM info is mistakenly changed, you can restore ISM info with this function. Note: Every half hour, SVD automatically saves card and ISM info in the system. If you want to restore card and/or ISM info, you must restore within half hour after your last operation that change these info. Please refer to chapter 6.1.5 Config Manager.

4.1.5 Vandal Proof

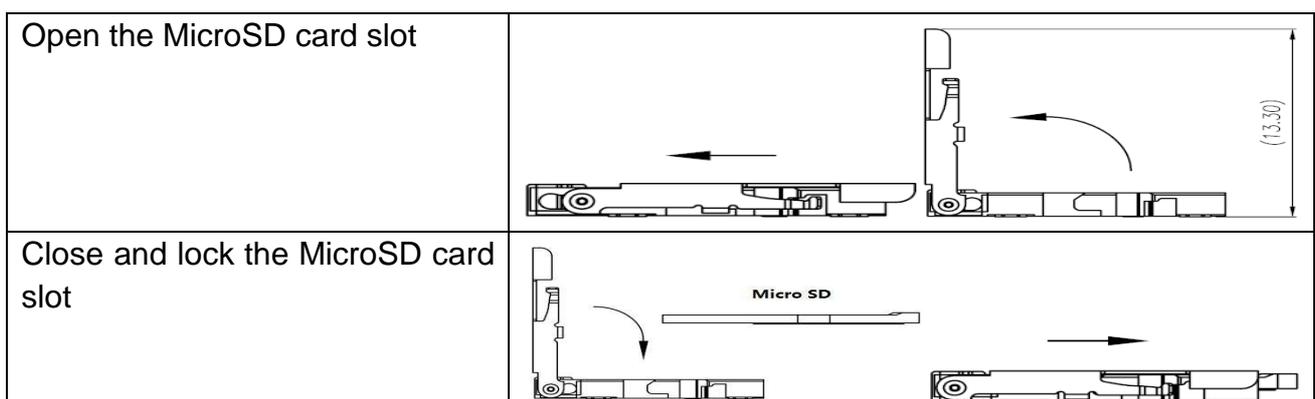
There is one channel of vandal proof which will generate alarm sound and report via Push-Notification to the My Secure Pro App via push notification (or MGT centre) once SVD is forced to leave the wall.

4.2 Insert MicroSD card

First power off the "TX-82". Insert the MicroSD card (max.32GB) (first format MicroSD card to FAT32 with your PC.) After that you find 4 screws on the backside of the TX-82. Remove them and open the device. On the right top corner there you have to insert the MicroSD card. Close the device again when you are finished.

Note: The files stored on the MicroSD card can only be watched by removing the card from the TX-82. Insert the MicroSD card into a computer.

Important: If you change the MicroSD while the device is working. The MicroSD card would not be recognized. You have to reboot the device via the Web interface (Logout → Reboot device) or turn the device off and on again



4.3 Device Wiring

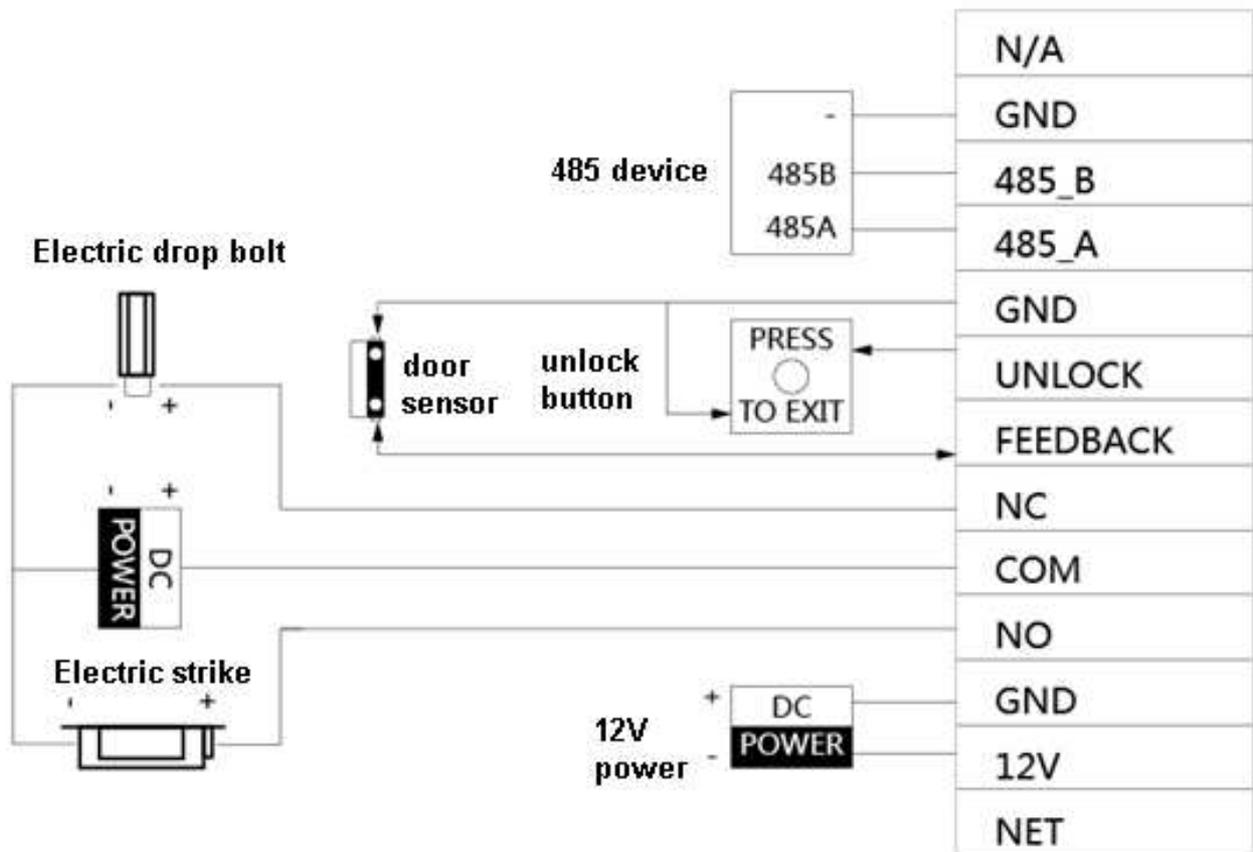


Figure 4-1

485 device	GND (Ground)
Electric drop bolt	Unlock
Electric strike	Feedback
Door sensor	NC (normally open) = Contact for opening
Unlock button	NO (normally closed) = Contact for closing
Press to exit	12V
12V power	Net (RJ45) = Network (RJ45)
DC power	

To connect an electric strike or an electric drop bolt use the NO or NC and the COM connection.

Electric strike: Use the NO and the COM connection of the TX-82. COM has to be connected with the external power positive pole. The negative pole of the external power is connected to the negative pole of the electric strike. Now connect the positive pole of the electric strike with the NO (open without power) of the TX-82.

Electric drop bolt: Use the NC and the COM connection of the TX-82. COM has to be connected with the external power positive pole. The negative pole of the external power is connected to the negative pole of the electric drop bolt. Now connect the positive pole of the electric drop bolt with the NC (closed without power) of the TX-82.

Door Sensor: You can install a door sensor and connect it with the TX-82. The function is to get an alarm when door is not closed. See chapter 6.1.2 A&C Manager “Door Sensor Check Time”. Connect to GND and Feedback

Unlock button: You can install an unlock button on the inside of the house. By pressing manual unlock button you can exit. Connect to GND and Unlock.

485 Device: Developer Interface, no use for customer.

4.4 Device Installation * Warnings !

Avoid installation in poor environment, such as condensation, high temperature, oil stain, dust, corrosion or direct sunlight. Project installation and debugging must be done by professionals. Please do not open the device in case of failure.

4.4.1 Screw

For installation, please use screw according to chart 4-2.

Component Name	Illustration	Quantity
M4x30 screw		2

Chart 4-2

4.4.2 Installation Step

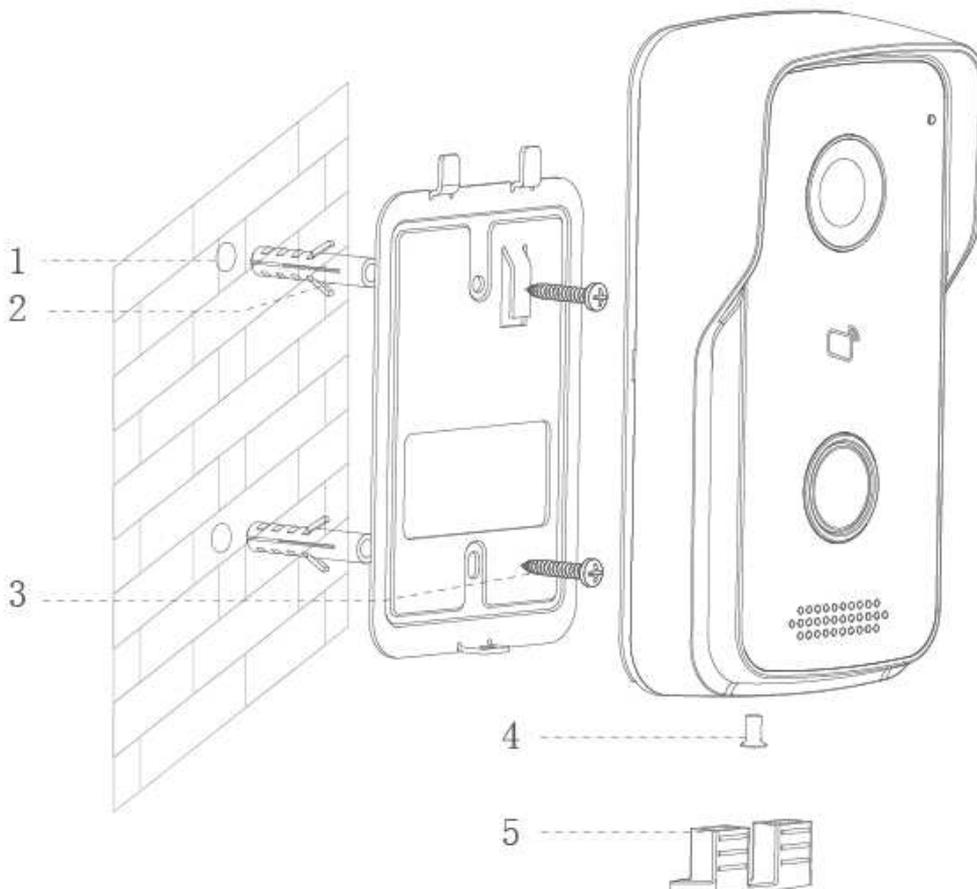


Figure4-3

Step 1. According to position of bracket, drill hole on installation surface (such as wall). Behind the device should be an installation box with the required connections DC voltage 12V/1A and LAN cable (RJ-45).

Step 2. Insert expansion bolt in hole you just have drilled.

Step 3. Fix bracket on designated position with screw.

Step 4. Connect all necessary cables (power supply, door opener, LAN, etc.).

Step 5. Fix TX-82 with a screw to the bracket.

Step 6. Mount sealing element at rear of device.

Important:

- Make sure that you have enough space for the cable connection behind device.
- Make sure that the TX-82 and the door opener are provided with a separate power supply, or that there is sufficient amperage from the bell transformer for the simultaneous operation of both units.

Note: The recommended distance from device center to ground is 1.4m~1.6m.

4.5 Installation of TX-82

4.5.1 Installation via Ethernet cable

Warnings:

Debugging personnel shall be familiar with related materials, know device installation, wiring and usage. Debugging personnel check whether circuit has short circuit or open circuit or not. Make sure circuit is normal, plug device to power. After debugging end, clear up site (handle plugs, fix device and etc.)

Default is DHCP, TX-82 will get IP automatically. (To find out IP address use Configtool to search for, see chapter 10 Configtool.)

Steps to debug:

Step 1. Connect device to power, and power up. About 60s after plugging to power, it auto boots up and enters working status. Indicator turns blue.

Step 2. Connect the TX-82 to the router via an Ethernet cable. In PC browser, enter device default IP address 192.168.1.110 or use Config Tool to search for IP address in your network. See figure 4-4.



Figure 4-4

Step 3. Enter username and password. **Note:** Default username is “**admin**”. Default password is “**admin**”. Please refer to chapter 6.4.1 TCP/IP for setup. After modification is finished, WEB page will restart and go to new IP address.

4.5.2 Installation via WiFi (My Secure Pro APP)

For installing via My Secure Pro App go to chapter 9. My Secure Pro.

5. Web Interface

The TX-82 can be configured via the WEB user interface.

5.1 WEB Login and Logout

5.1.1 Login

Step 1. In PC browser, enter device default IP address 192.168.1.110 or use Configtool to find IP address. See figure 5-1. **Note: Default username is “admin”. Default password is “admin”. Refer to chapter 6.4.1 TCP/IP for setup.**



Figure 5-1

Step 2. Enter username and password. **Note:** Default username is “admin”. Default password is “admin”. After first time login, please change password for security reasons. Refer to chapter 6.6.3 Modify User. Only possible in the WEB interface. When changes, the login data must be adapted in the “My Secure Pro” APP.

Step 3. Click Login.

5.1.2 Logout

Step 1. Select Logout → Logout → Logout. See figure 5-2.

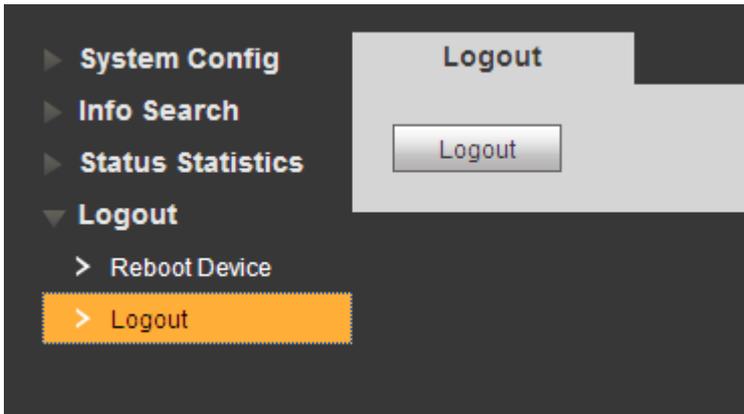


Figure 5-2

Step 2. Click Logout → Logout. The system exits the WEB interface and returns to login interface. You can go to Logout → Reboot Device → Reboot Device interface, click Reboot Device to restart.

6. System Config

6.1 Local Config

Under Local Config interface, you can view and set Local Config, A&C Manager, Talk Manager, System Time and Config Manager.

6.1.1 Local Config

In System Config → Local Config → Local Config interface, you can set light sensor, storage point, reboot date, DialRule and language. See figure 6-1 and chart 6-1.

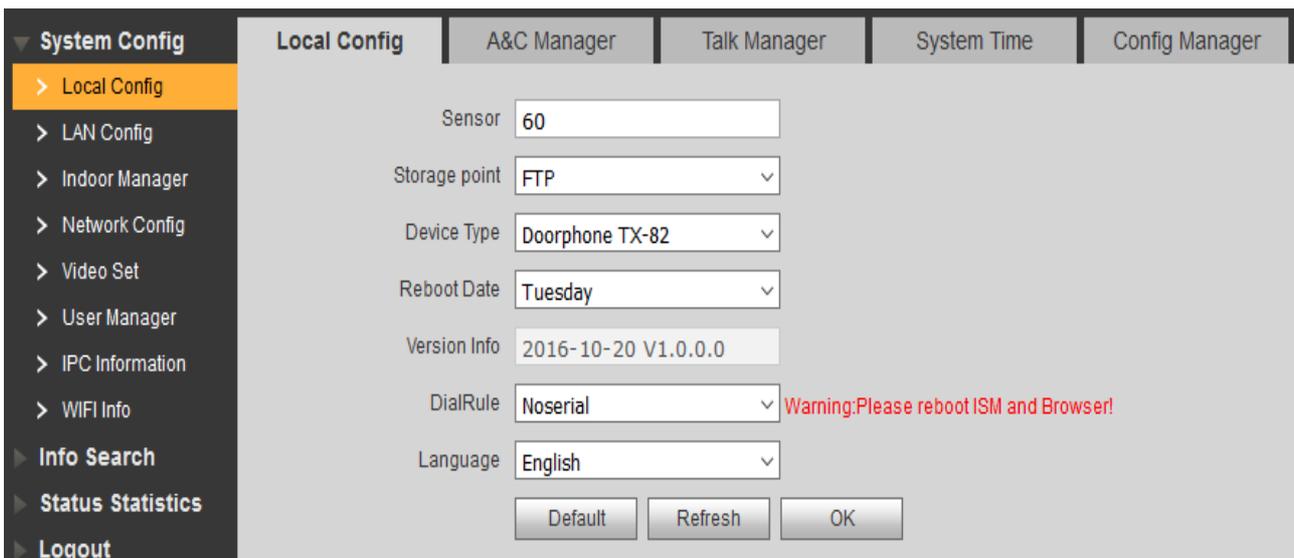


Figure 6-1

Parameter	Note
Sensor	Set compensation light threshold. Light compensation will automatically turn on during monitoring, calling, or connecting status if there is not enough light in environment. The greater the value, the better the sensitivity of the fill light.
Storage Point	Storage path of record and picture, you can select FTP or SD Card. Please refer to chapter 6.4.2 for FTP setup.
Device Type	Display device type. Now it is "Doorphone TX-82".
Reboot Date	On the set day of the week, device will automatically reboot. Default is Tuesday (2:00 a.m.).
Version Info	Display device version info.
Dial Rule	There are serial and non-serial.
Language	There are multiple languages available
Default	Only restore current Local Config page to default settings.
Refresh	Click Refresh to refresh current interface.
OK	Click OK to save.

Chart 6-1

6.1.2 A&C Manager

A&C Manager mainly controls unlock responding interval time, unlock period and door sensor check time. Go to System Config → Local Config → A&C Manager (6-2).

Figure 6-2

Parameter	Note
Unlock Responding Interval	The interval between current unlock and next one, unit is second.
Unlock Period	Period door remains unlocked, unit is second.
Door Sensor Check Time	If you want to use a door sensor, check the box "Check Door Sensor Signal Before Lock", and set "Door Sensor Check Time"

Check Door Sensor Signal Before Lock	to enable it. When door remains unlocked over set door sensor check time, it alarms via push notification.
Auto Snapshot	Select Enable, when you swipe card, it auto snapshot two pictures and upload them to FTP or MicroSD card.
Upload Unlock Record	Select Enable, upload unlock record. You can view in Info Search → Unlock Record → Unlock Record. Who and when has entered/unlocked the door.
Issue Card	Activate RFID (NFC) of the SVD so user can swipe the RFID (NFC) to unlock door; supports up to 1000 RFID (NFC)s. Please refer to Issue card description below to activate.
Default	Only restore A&C Manager page to default settings.
Refresh	Click Refresh to refresh current interface.

Chart 6-2

Issue Card

Note: Before you add RFID (NFC), you have to add under System Config → Indoor Manager the Digital Indoor Station Manager first, refer to chapter 6.3.1 Add ISM. This is to generate a room no.. Without room no. it is not possible to set RFID (NFC)s.

Step 1. Select System Config → Local Config → A&C Manager.

Step 2. Click Issue Card, and place RFID (NFC) close to card swiping area on TX-82. System shows card no. Info interface.

Step 3. Enter the RFID (NFC)'s corresponding username and room no. (of ISM), click OK. The room No. is **9901** by default. The User Name can be chosen freely.

Note: Fill in room no. Which must match info on Digital Indoor Station Manager.

Step 4. Click Confirm Issue to complete card issuing.

Now you can go to System Config → Indoor Manager → Digital Indoor Station Manager, click  to view the connected RFID (NFC)s.

Note: To delete an RFID (NFC) go to System Config → Indoor Manager → Digital Indoor Station Manager → Card No. Info. See chapter 6.3.3 View Card Info.

For example: Use RFID (NFC) of your Smartphone (Only Android devices with RFID (NFC) function). Activate the RFID (NFC) option on your Smartphone and follow the steps above.

Important: If you do not use the included RFID (NFC)s we cannot ensure that the encryption is safe.

6.1.3 Talk Manager

Go to System Config → Local Config → Talk Manager, see figure 6-3.

The device supports talk management and you can enable and disable upload of talk call record, message and auto snapshot.

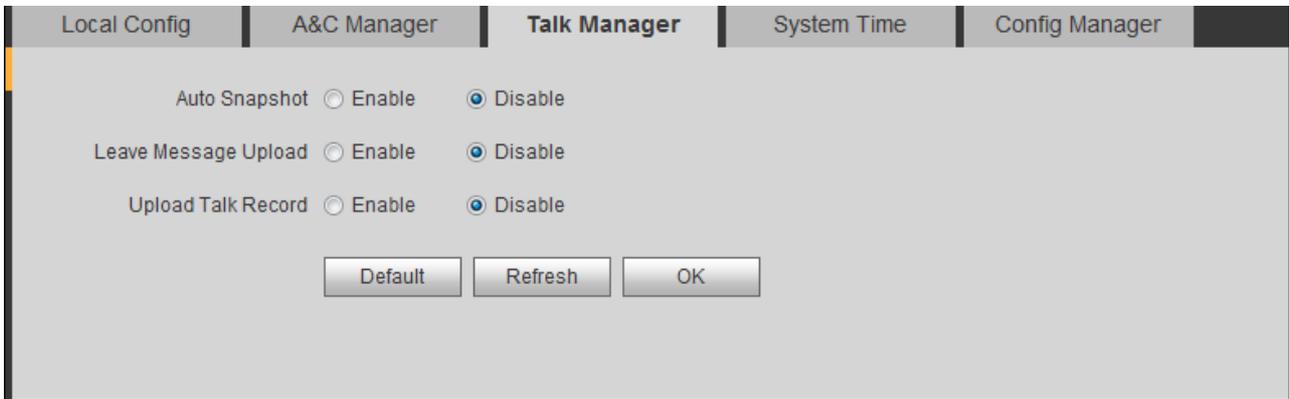


Figure 6-3

Parameter	Note
Auto Snapshot	Select Enable, when it calls, auto snapshot two pictures and upload to FTP or SD card. (One snapshot when you answer the call and one picture when you hang up).
Leave Message Upload (Only usable with additional ISM)	Select Enable, TX-82 calls ISM, no one answers and caller can leave a message on ISM. Message will be stored in MicroSD card of ISM, and can be viewed on ISM. Note: If ISM sets message time to 0 seconds, then message is not allowed. If message time is set other than 0, when no one answer call from TX-82, it will ask if you want to leave a message.
Upload Talk Record (Only usable with additional ISM)	Select Enable, upload call record, you can go to Info Search → Unlock Record → Call Record to view.

Chart 6-3

6.1.4 System Time

Go to System Config → Local Config → System Time (6-4). Here you can set date format, time format (24-hour and 12-hour), and input system date and time. You can also click on Sync PC to synchronize system time with PC time. You also can set DST (summertime) start and end time.

The screenshot shows the 'System Time' configuration page. The left sidebar contains a navigation menu with 'System Config' expanded to 'Local Config'. The main content area has the following settings:

- Date Format: Day-Month-Year
- Time Format: 24-Hour Standard
- System Time: 06 - 09 - 2016 15 : 21 : 41 (with a 'Sync PC' button)
- DST Enable:
- DST Type: Date Week
- Start Time: Jan 1 0 : 0
- End Time: Jan 2 0 : 0
- NTP Enable:
- NTP Server: ntp.web.de
- Zone: GMT+01:00
- Port No.: 123 (1~65535)
- Update Period: 5 Minute (1~30)
- Buttons: Default, Refresh, OK

Figure 6-4

Parameter	Note
Date Format	Set system date format.
Time Format	Set system time format, there are 12-hour and 24-hour modes.
System Time	Set system display time.
Sync PC	Click "Sync PC", to sync system time with local PC.
DST Enable	Check "DST Enable" box, to enable DST (summertime). If you locate in place using DST, you can set DST accordingly. You can select week mode or date mode to start and end DST.
DST Type	
Start Time	
End Time	
NTP Enable	Check "NTP Enable" box, to enable NTP server time sync function. You can set IP of NTP server, zone, port no. of NTP server and update interval of NTP server .
NTP Server	
Zone	
Port No.	
NTP Update Period	
Default	Click "Default", to restore default settings in this tab.
Refresh	Click "Refresh" to refresh this page.
OK	Click "OK" to save settings.

Chart 6-4

6.1.5 Config Manager

Go to System Config → Local Config → Config Manager (6-5). You can import and export configuration, or restore default setup.

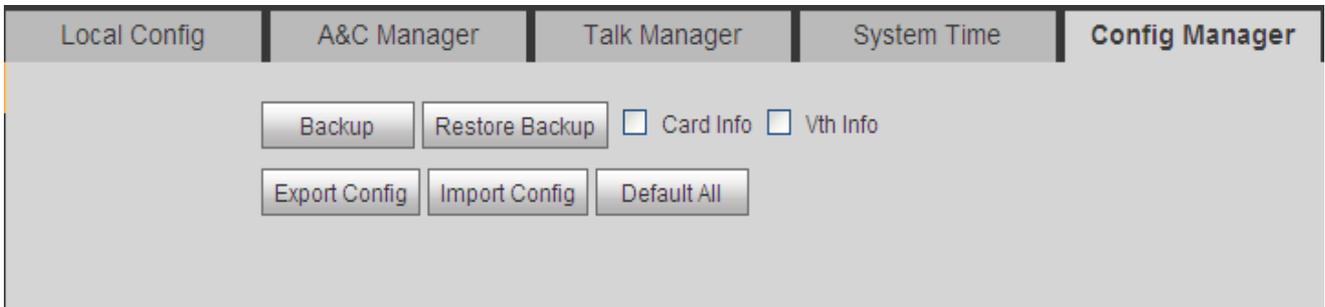


Figure 6-5

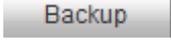
Parameter	Note
Backup	Check “card no.”, “ISM info”, and click  , so you can back up card no. and ISM info. Note: This button is just for saving the current settings.
Restore Backup	Restore backup card info or ISM info. During usage, if TX-82 is restored to default or card info is abnormal, you can check Card Info box and click Restore Backup to restore card info. During usage, if you miss-modify ISM info, you can check ISM info box and click Restore Backup to restore ISM info. Warning: Every half an hour, TX-82 auto saves card no. and ISM info in the system, so if you want to restore card info or ISM info, you must operate within this time limit.
Export Config	Export config file (Config.backup).
Import Config	Import config file (Config.backup).
Default All	Restore all parameters to default status.

Chart 6-5

6.2 LAN Config (Only usable with additional ISM)

Note: ISM is an additional product that can be used to expand the function of TX-82. Settings on chapter 6.2 LAN Config can only set with ISM and TX-82 in the same network.

Go to System Config → LAN Config → LAN Config, see figure 6-6. Here you can register TX-82 to MGT center. Enter IP of your PC the My Secure Pro PC Client Software (see chapter 11 My Secure Pro PC Client) is installed on. This PC will be the MGT center. Set the time to call MGT center instead of ISM.

Note: For TX-82 as standalone set the time from 00:00 to 23:59, in which you are at home. Than the TX-82 will always call the PC (My Secure Pro PC Client) when PC is powered on and My Secure Pro Client is running.

Attention: You will not receive any Push-Notifications within the period of time!

The screenshot shows the 'LAN Config' interface. On the left is a navigation menu with 'LAN Config' selected. The main area contains the following fields and options:

- Building No.: 01
- Building Unit No.: 1
- VTO No.: 6901
- Max Extension Index: 5 Group Call
- MGT Centre IP Address: 10.22.5.254 Register to the MGT Centre
- MGT Port No.: 12801
- Call VTS Time: 00 : 00 To 23 : 59 Call VTS Or Not

Warning messages at the bottom:

- Warning: The device needs reboot after modifying the config above.
- If extensionCount changed, need reboot VTH and init VTH information again!

Buttons: Default, Refresh, OK

Figure 6-6

Parameter	Note
Building No.	Set ISM building no. and unit no.
Building Unit No.	
Doorphone No.	Default is 6901. If you connect more than one TX-82, use for the first device 6901, for the second 6902, for the third 6903 and so on.
Max Extension Index	1 ISM supports 5 extensions, and fill in extension according to actual condition (9901-1, 9901-2, etc.). Warning: When number of extension changes, you shall reboot ISM, and configure ISM again.

Parameter	Note
Group Call	Check “Group Call” box to call all ISMs, in this room.
MGT Center IP Address	Enter IP address and port no. of MGT center (PC with My Secure Pro PC Client installed), check “Register to MGT center” box. Important: Don’t change the port!
Register to MGT Center	
MGT Port No.	
Call VTS Time	Set period of call button on device to call MGT center.
Call VTS or Not	Check “Call VTS or Not” box, to enable call MGT center function via button on TX-82 during the set period instead of calling ISM. Note: If you check the box here you maybe will not receive push notifications on your mobile.
Default	Click “Default”, to restore setting in this page to default.
Refresh	Click “Refresh” to refresh this page.

Chart 6-6

6.3 Indoor Manager (Only usable with additional ISM)

Important: For standalone use of TX-82 you have to add an ISM, to generate a room no.

Note: ISM is an additional product that can be used to expand the function of TX-82. Settings on chapter 6.3 Indoor Manager can only set with an ISM in your network. In Indoor Manager interface, you can add, delete and modify ISM.

6.3.1 Add ISM (Important for TX-82 stand alone)

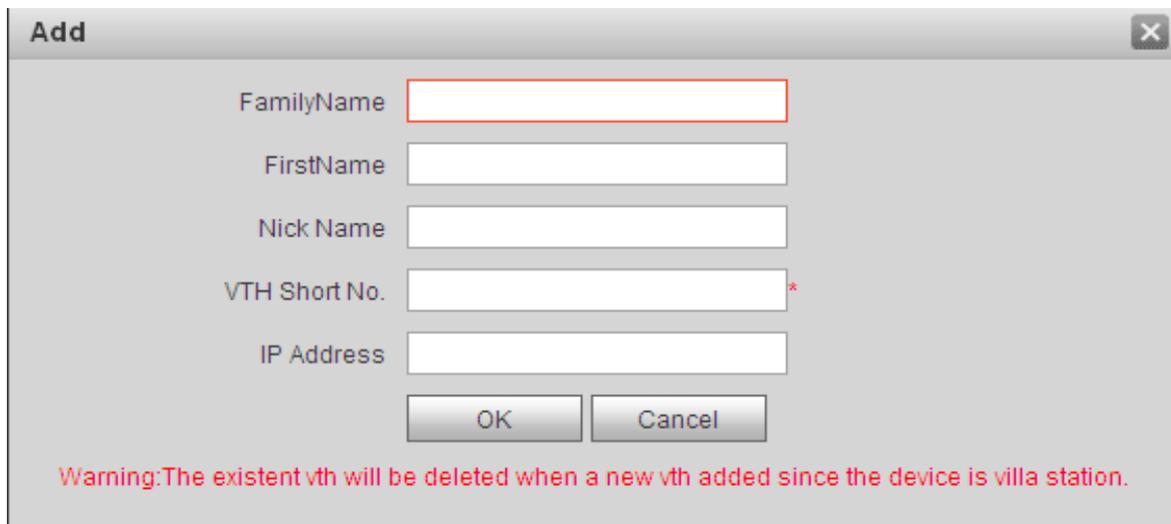
TX-82 only supports to add 1 ISM. Any new ISM will replace current ISM.

Step 1. In tab, select System Config → Indoor Manager → Digital Indoor Station Manager.

Step 2. Click .

Step 3. Fill in digital ISM basic info. See figure 6-7.

Note: Parameters with * are mandatory.

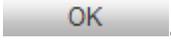


Warning: The existent vth will be deleted when a new vth added since the device is villa station.

Fig 6-7

Parameter	Note
Family Name	Set username and nick name of ISM.
First Name	
Nick Name	
ISM Short No.	Set ISM room no. Note: ISM short no. is composed of 4 digits of number. The first two digits have range of 01~99. The last two digits have range of 01~16.
IP Address	ISM IP address. Note: IP Address is not needed for TX-82 stand alone.

Chart 6-7

Step 4. Click .

System displays interface when ISM is added. See figure 6-8.

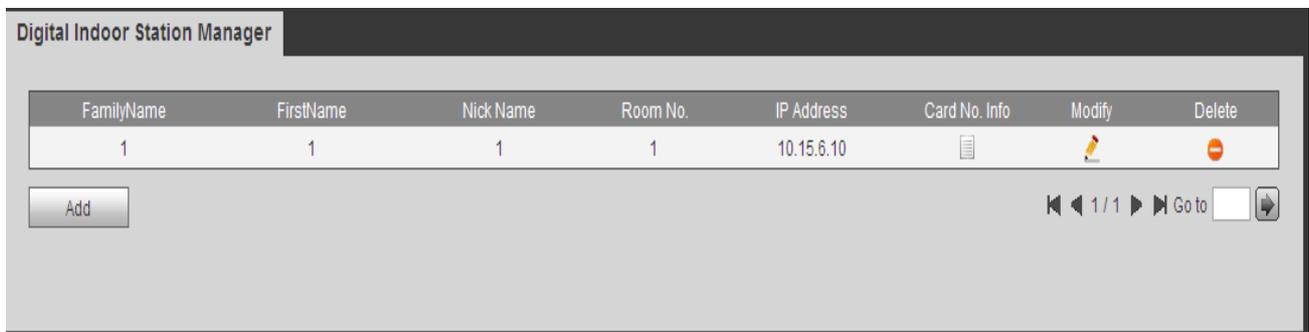


Figure 6-8

6.3.2 Modify ISM

Click , in pop-up modification page modify ISM info.

1. When you modify digital ISM, you can only modify name and nickname.
2. When you modify analog ISM, you can only modify name, nickname, distributor address and distributor port.

Click , delete digital ISM.

6.3.3 View Card Info

Card authorization you can find in chapter 6.1.2 A&C Manager.

Click  to view all authorized card under the ISM. See chart 6-8.

Parameter	Note
Card ID	Show RFID (NFC) number, username and ISM room no.
Card Number	
Username	
Main Card	Check “main card” box, set this RFID (NFC) to be main card. Note: Main card has card authorization function, and this device does not support.
Report Loss	When RFID (NFC) is lost, click  to report loss. Lost RFID (NFC) cannot unlock door.
Modify	Click  , you can modify username under this RFID (NFC).
Delete	Click  , you can delete this RFID (NFC).

Chart 6-8

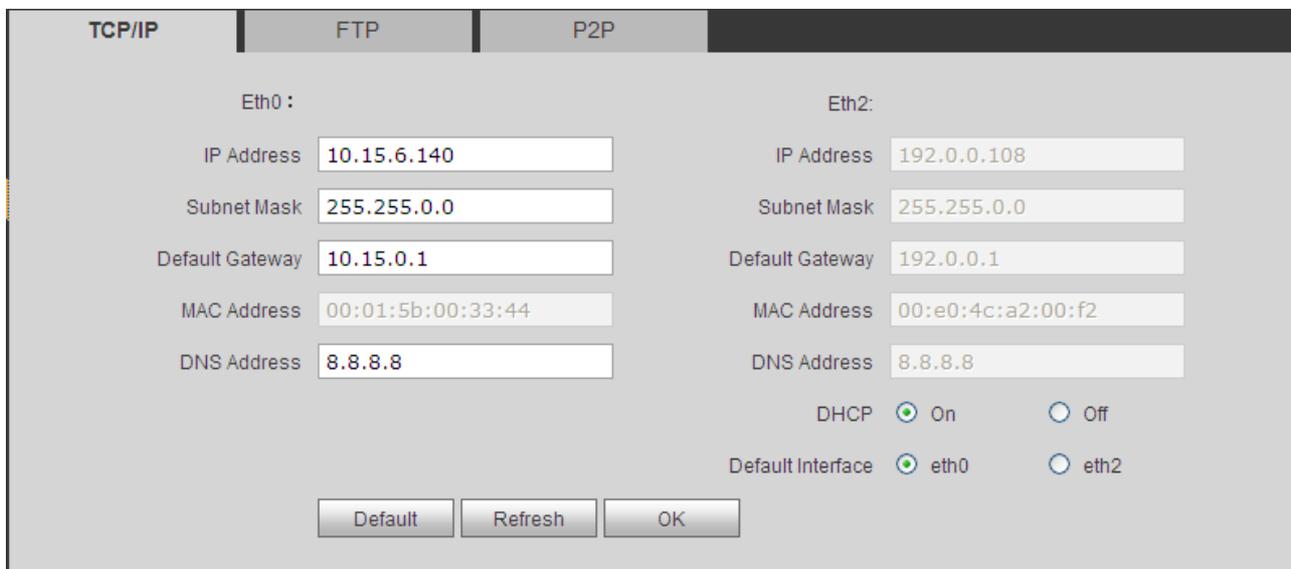
6.4 Network Config

6.4.1 TCP/IP:

Go to System Config → Network Config → TCP/IP, see figure 6-9. You can set local IP network parameter.

Step 1: Select System Config → Network → TCP/IP.

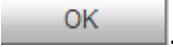
Step 2: Set local IP address, subnet mask and default gateway (6-9).



The screenshot shows the TCP/IP configuration page with two network interfaces, Eth0 and Eth2, each with its own set of configuration fields. At the bottom, there are radio buttons for DHCP and Default Interface, and three buttons: Default, Refresh, and OK.

Interface	IP Address	Subnet Mask	Default Gateway	MAC Address	DNS Address	DHCP	Default Interface
Eth0	10.15.6.140	255.255.0.0	10.15.0.1	00:01:5b:00:33:44	8.8.8.8	<input checked="" type="radio"/> On	<input checked="" type="radio"/> eth0
Eth2	192.0.0.108	255.255.0.0	192.0.0.1	00:e0:4c:a2:00:f2	8.8.8.8	<input type="radio"/> Off	<input type="radio"/> eth2

Figure 6-9

Step 3: Click .

After you have modified IP address, WEB page will reboot and go to the new IP address page.

Parameter	Note
Connection	LAN (Eth0): Connection via LAN (Ethernet) cable with router (wired). WiFi (Eth2): Connection via WiFi with router (wireless).
IP Address	Enter corresponding number to change IP address.
Subnet Mask	According to actual condition, set subnet mask which prefix is number, enter 1~255, subnet mask prefix has a specific network link, which includes one layer structure in general. (In your network mostly the subnet mask is 255.255.255.0 addicted to router settings)
Default Gateway	According to actual condition, it must be in the same IP segment.
MAC Address	Display device MAC address..
DNS Address	Enter the IP address of the DNS server (Router).
DHCP	Enable, auto get IP function.
Default Interface	LAN (Eth0): Wired, by default select Ethernet card 1. WiFi (Eth2): Wireless, by default select Ethernet card 2.
Default	Click "Default", restore all parameters in the page to default.
Refresh	Click "Refresh", refresh current page.
OK	Click "OK" to save settings.

Chart 6-9

Tip: By the default activated DHCP protocol, the above mentioned settings are activated automatically.

6.4.2 FTP

FTP server is used to store snapshot pictures. User can set their FTP server to snapshots on it. **Attention:** You have to set up FTP server (please use third party to find out how to do), after that you can use it to store (record) or/and snapshots on it.

Step 1. You can go to System Config → Network → FTP, to set local FTP network parameter. See figure 6-10.

The screenshot shows a configuration window for FTP. At the top, there are three tabs: 'TCP/IP', 'FTP' (which is selected), and 'P2P'. Below the tabs, there are four input fields: 'IP Address' with the value '10.36.45.136', 'Port No.' with the value '21', 'Username' with the value 'test', and 'Password' which is masked with seven black dots. At the bottom of the window, there are three buttons: 'Default', 'Refresh', and 'OK'.

Figure 6-10

Step 2. Configure parameters, see Chart 6-10.

Parameter	Note
IP Address	IP address of host where FTP server is installed. (Only IP address, without ftp://)
Port No.	Default is 21.
Username	Access FTP server username and password.
Password	

Chart 6-10

Step 3. Click OK.

6.4.3 P2P

The P2P connection simplifies the access to the TX-82 from home and everywhere in the world via your Smartphone. The Smartphone needs a stable Internet connection.

Step 1. Go to System Config → Network → P2P interface. See figure 6-11.



Figure 6-11

Step 2. Select to enable P2P server.

Step 3. Click OK, to save settings.

After setup is complete, “status” becomes “online” which means P2P registration is successful. Scan QR code below to add device on mobile phone client if it has already configured via LAN or WiFi. (See chapter 9.1.1 WiFi configuration).

6.5 Video Set

6.5.1 Video Set

You can go to System Config → Video Set interface to set video and audio.

Step 1. Select System Config → Video Set.

Step 2. Adjust video parameter. See figure 6-12.

Note: If you cannot see video in window, install the required plug-in first.

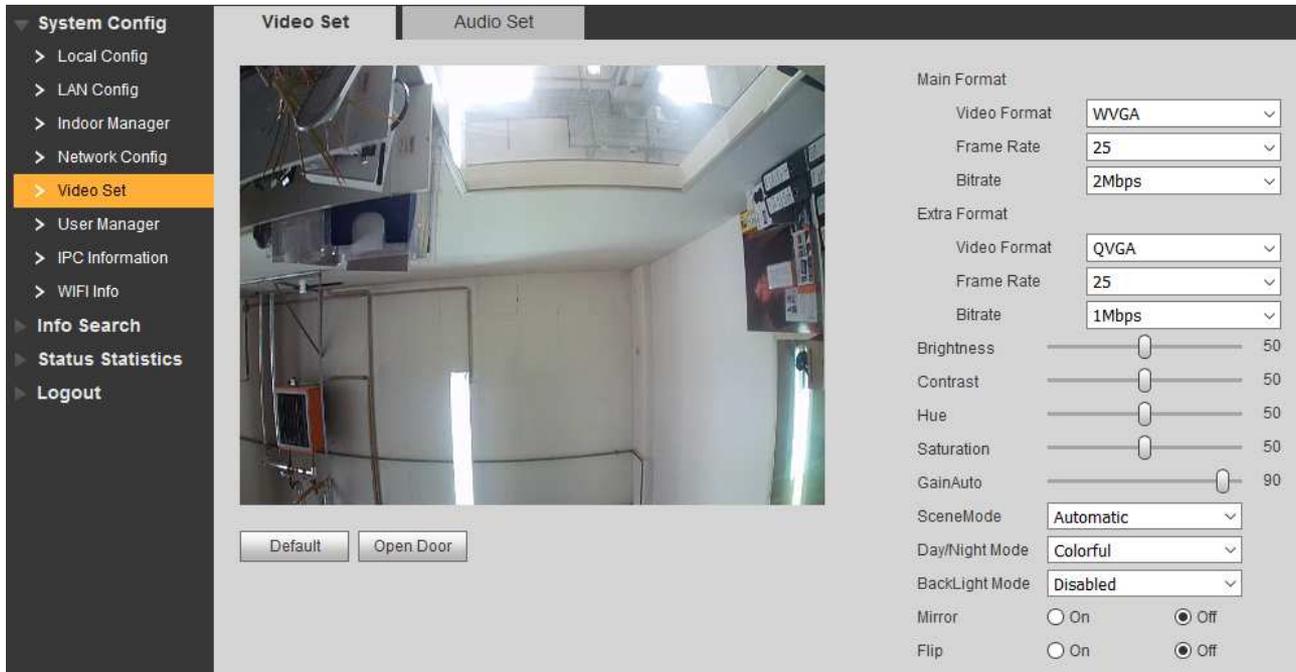


Figure 6-12

Parameter		Note
Main Format	Video Format	Adjust video resolution, includes 720P, WVGA and D1. <ul style="list-style-type: none"> ● 720P: 1280×720. ● WVGA: 800×480. ● D1: 720×576.
	Frame Rate	Adjust video frame rate to be 3, 25 and 30.
	Bit Rate	According to actual device input network, select bit rate to be 256Kbps, 512Kbps, 1Mbps, 2Mbps and 3Mbps.
Extra Format	Video Format	Adjust video resolution to be WVGA, D1 and QVGA. <ul style="list-style-type: none"> ● WVGA: 800×480. ● D1: 720×576. ● QVGA: 320×240.
	Frame Rate	Adjust video frame rate to be 3, 25 and 30.
	Bit Rate	According to actual device input network, select bit rate to be 256Kbps, 512Kbps, 1Mbps, 2Mbps and 3Mbps.
Brightness		Adjust video brightness, recommended value is 40~60, range is 0~100.

Parameter	Note
Contrast	Adjust video image contrast, recommended value is 40~60, range is 0~100.
Saturation	Adjust color saturation, recommended value is 40~60, range is 0~100.
Saturation	Adjust color saturation, recommended value is 40~60, range is 0~100.
Gain	Gain limit of video basic parameter.
Scene Mode	Select mode: Disabled, Automatic, Sunny and Night.
Day/Night Mode	Include: colorful, Automatic and Black White.
Back Light Mode	Include: Disabled, Backlight, DWDR (Wide Dynamic), HLC (Inhibition). For WDR and HLC select between weak, middle or strong, default is weak. Settings mainly control the brightness of the live view.
Mirror	Make image displayed in mirror.
Flip	Display image in flip.
Default	Reset video effect and volume to default.
Unlock (Open Door)	Unlock via web.

Chart 6-11

6.5.2 Audio Set

Go to System Config → Video Set → Audio Set interface, you can slide bar to adjust microphone volume and speaker volume of the TX-82, see figure 6-13.

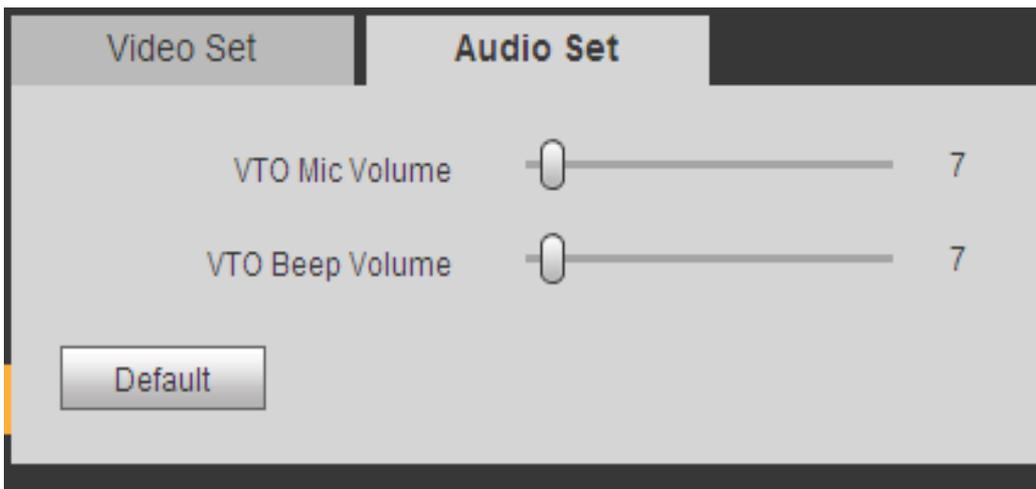


Figure 6-13

6.6 User Manager

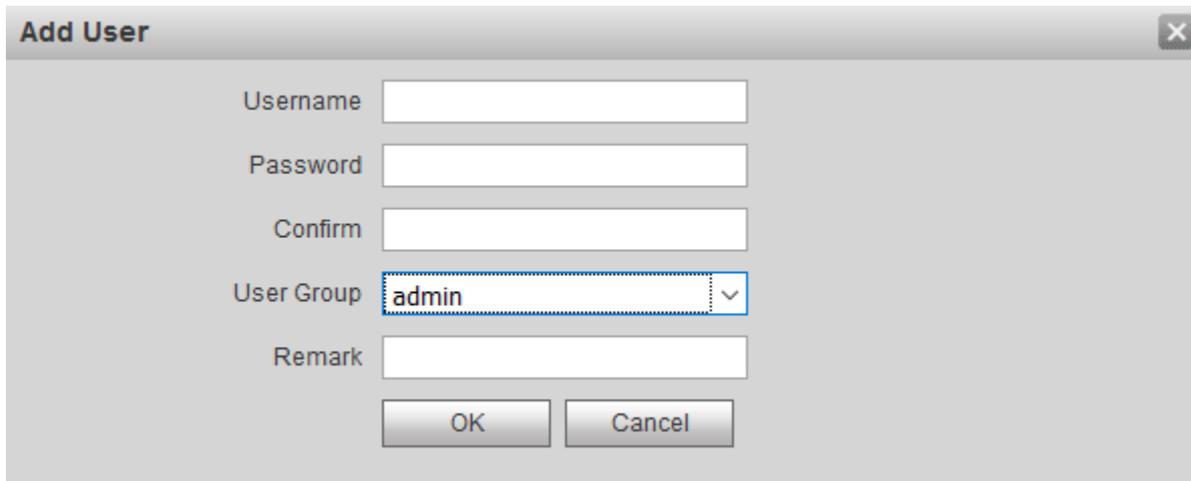
You can add, delete user or modify user password.

6.6.1 Add User

Step 1. Select System Config → User Manager, system enters User Manager Interface.

Step 2. Click Add.

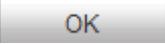
Step 3. Configure user info to add. See figure 6-14.



The 'Add User' dialog box features the following fields and controls:

- Username:
- Password:
- Confirm:
- User Group: (dropdown menu)
- Remark:
- Buttons: OK, Cancel

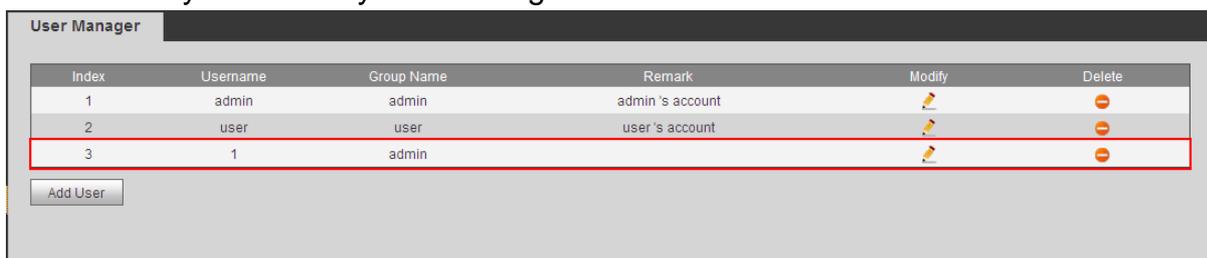
Figure 6-14

Step 4. Click . See figure 6-15.

Only when you are logged in as admin, you can add, modify, delete and view user info in User Manager Interface.

Current system supports two types of user:

- Admin has higher right who can view, edit, delete configured right.
- User only can view system Config.



Index	Username	Group Name	Remark	Modify	Delete
1	admin	admin	admin's account		
2	user	user	user's account		
3	1	admin			

Figure 6-15

6.6.2 Delete User

Select user you want to delete, and click  to delete.

6.6.3 Modify User

Step 1. Select user who you want to modify his/her password, click . See figure 6-16.

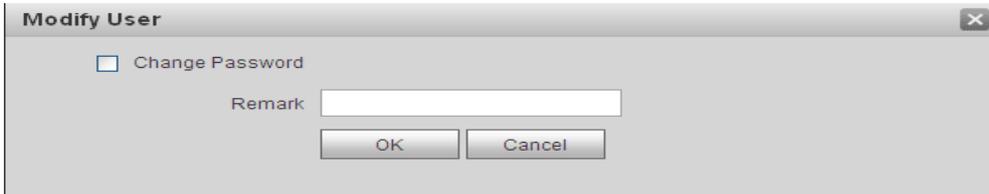


Figure 6-16

Step 2. Check Change Password box. System shows Old Password, New Password and Confirm Password.

Step 3. Configure interface parameter.

Step 4. Click OK, for saving.

Note: For your own safety we suggest to change the standard password of the Admin account immediately! Only possible in the WEB interface. If login data has changed it must be changed in the My Secure Pro APP also.

6.7 IPC (Only usable with additional ISM)

If the ISM has configured with IPC info, you can view IPC video image via corresponding ISM. It supports up to 20 IP Cameras.

You can go to System Config → IPC info interface, view and modify all IPC info.

Tip: Set the IPC information on the ISM (TX-89 7" monitor). There are more setting options available.

Step 1. Select System Config → IPC info.

Step 2. Click .

Modify IPC info. See figure 6-17.

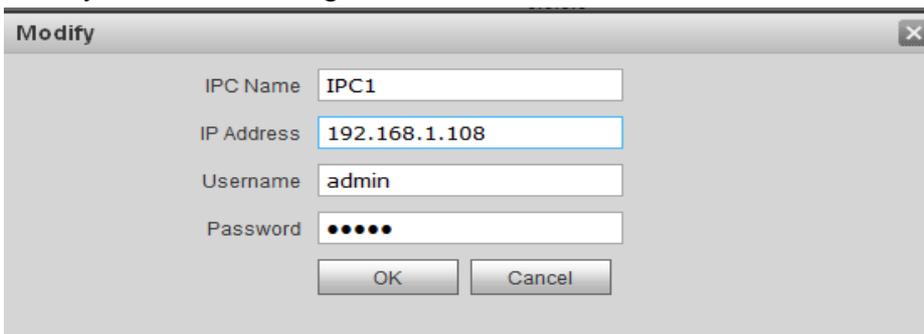
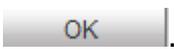


Figure 6-17

Step 3. Refer to chart 6-12 below.

Parameter	Note
IPC Name	IPC name.
IP Address	IP address of IPC.
Username	Login username and password of IPC WEB.
Password	

Step 4. Click .

6.8 WIFI Info

To configure WIFI:

Step 1. Go to System Config → WIFI Info → WIFI Info.

Step 2. Click Open WiFi, the system searches and displays the available WiFi networks, see figure 6-18.

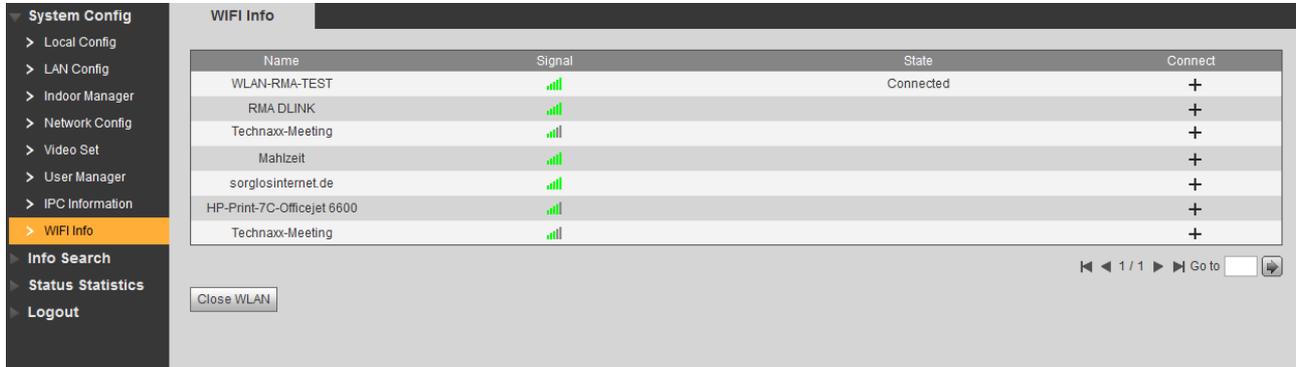


Figure 6-18

Step 3. Click **+** of WIFI you want to connect. System shows Connection interface (6-19).

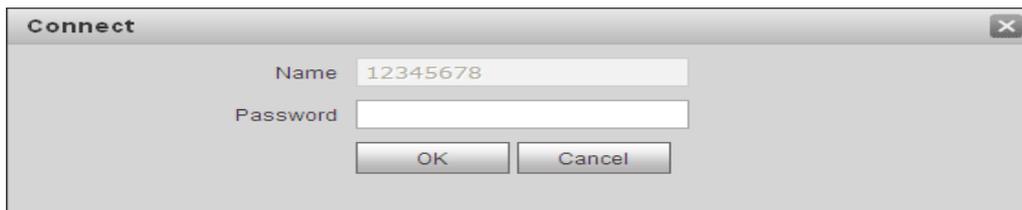


Figure 6-19

Step 4. Enter WIFI password (WiFi key of the router) and click OK to complete device WLAN connection.

Now System Config → Network Config → TCP/IP interface shows WiFi (Eth2) connection.

7 Info Search

You can search and export VTP unlock, call and alarm record in Info Search interface.

7.1 Call History (Only usable with additional ISM)

You can search TX-82 call history in Call History interface, it stores up to 1024 records.

See figure 7-1 below.

Index	Call Type	Room No.	Begin Time	Talk Time(min)	End State
1	Outgoing	9901	2015-09-08 14:57:56	00:02	Received
2	Outgoing	9901	2015-09-02 14:33:51	00:00	Missed
3	Outgoing	9901	2015-09-01 17:53:35	00:00	Missed
4	Outgoing	9901	2015-09-01 17:06:04	00:00	Missed
5	Outgoing	9901	2015-09-01 16:27:15	00:00	Missed
6	Outgoing	9901	2015-09-01 16:26:17	00:00	Missed

Figure 7-1

7.2 Alarm Record (Only usable with additional ISM)

Go to Info Search → Alarm Record → Alarm Record interface. See figure 7-2.

You can search TX-82 alarm in Alarm Record interface, and it stores up to 1024 records.



Figure 7-2

Click Export Record button to export villa TX-82 alarm record.

7.3 Unlock Record

Go to Info Search → Unlock Record → Unlock Record. See figure 7-3

You can search TX-82 unlock records in Unlock Record interface, and it stores up to 1024 records.

Index	Unlock Type	Room No.	Card Number	Unlock Result	Unlock Time
1	Remote Unlock			Success	2016-11-17 10:33:06
2	Remote Unlock	8000		Success	2016-11-16 13:39:20
3	Brush Card Unlock		01020304	Failed	2016-11-15 15:59:18
4	Brush Card Unlock	9901	da66767e	Success	2016-11-15 15:58:38
5	Brush Card Unlock		da66767e	Failed	2016-11-15 15:58:07
6	Brush Card Unlock		da66767e	Failed	2016-11-15 15:58:01
7	Remote Unlock	8000		Success	2016-11-15 15:49:49

Figure 7-3

Click Export Record button to export TX-82 alarm record.

Parameter		Note
Unlock Type	Button Unlock	Unlock door with a button directly connected to the wire of TX-82.
	Brush Card Unlock	Unlock door with your configured RFID (NFC) by swiping it over the card area.
	Remote Unlock	Unlock door with My secure Pro App (or MGT center or ISM)
Room No.		The Room no. tells you which door was opened
Card Number		Shows you the Card Number of the RFID (NFC) that was used to open the door.
Unlock Result		Shows the status of unlock result.
Unlock Time		Shows the time the door was unlocked or tried to unlock.

Chart 7-1

8 Status Statistics

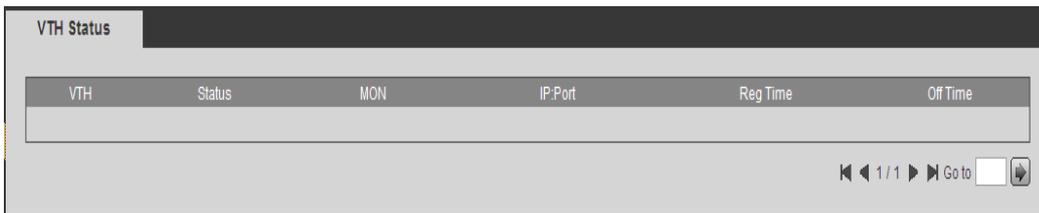
Warning:

If the added ISM is not online, then you go to Status Statistics → ISM Status interface, view ISM connection status, monitor status port no. and etc. See figure 8-1.

In ISM status, you can view ISM connection status.

Status: Offline → Connection between TX-82 and ISM is disconnected; you cannot call, monitor or talk. → **Online** → Connection between TX-82 and ISM is ready; you can call, monitor and talk.

Monitor Status: → Unmom: ISM is not monitoring. → Onmom: ISM is monitoring.



VTH	Status	MON	IP:Port	Reg Time	Off Time
-----	--------	-----	---------	----------	----------

Figure 8-1

9. Use of the APP My Secure Pro

The product is supported by Android and iOS version.

Android: Open Google Play APP on your Smartphone.

Search “My Secure Pro”, download it and install it.

iOS: Open App Store APP on your Smartphone.

Search “My Secure Pro”, download it and install it.

Note: The APP is for free.



9.1 Installation with My Secure Pro APP

9.1.1 WiFi configuration

Start up the My Secure APP and choose Door Menu.



from the Main

To add device: Click on , system displays camera list in Figure 9-1. Press on “+ Add Device” and choose WiFi configuration, when you configure the device for the first time.

Tip: To add the Doorphone to your Smartphone when it is already configured use P2P. See chapter 9.1.2 P2P configuration.

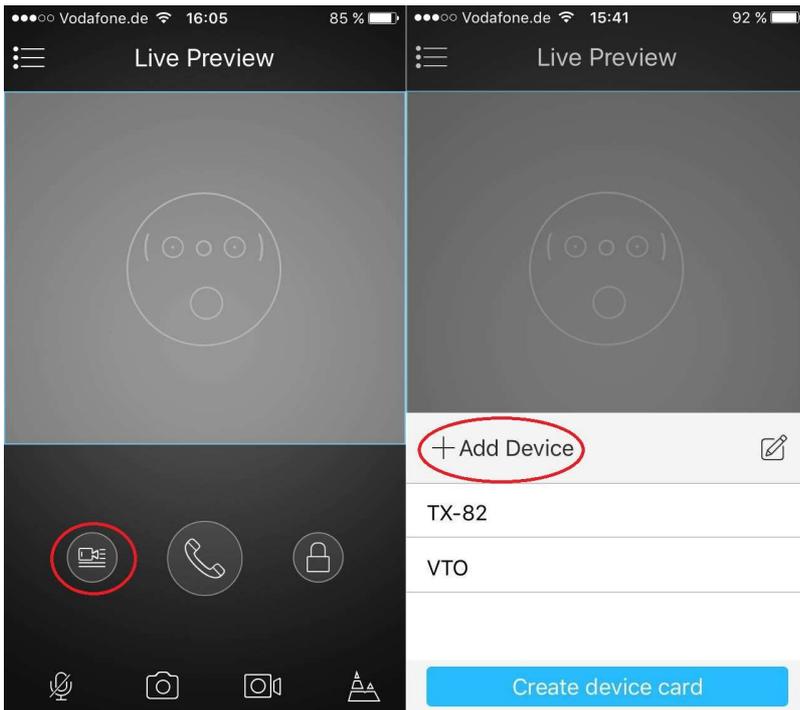


Figure 9-1

1. Choose WiFi configuration.
 2. Interface display: Name, SN (QR code), username, password, push notifications, and Audio Only. See Figure 9-2.
 3. Select a device name and enter it.
 4. Click , scan QR code (on device rear side) and the picture will be like Figure 9-2
 5. Enter username and password (Default: Username: admin; Password: admin).
- Important:** We recommend changing the username and password after first installation!
6. Push notification should be enabled to get information about call or vandalism.
 7. Press “Next” button

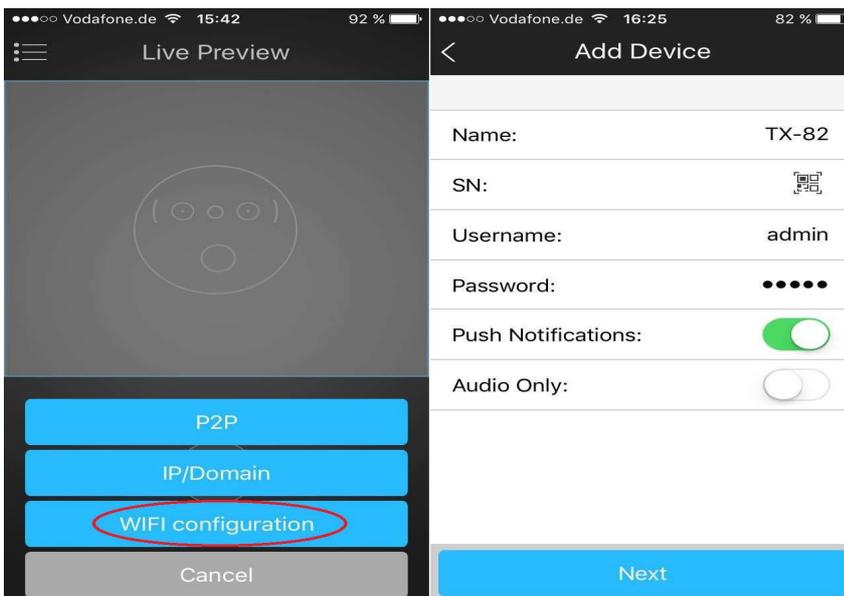


Figure 9-2

8. Your Smartphone will use the WIFI connection you are currently connected to. Insert the password of your WIFI router like seen in figure 9-3.
9. Press “Next” button.
10. System auto configure (wait). Figure 9-3
11. If failed, then click “try again” or repeat the above steps.
12. All configurations are saved automatically, when correct. See figure 9-3.
13. Press “Start Live preview”. See figure 9-3.

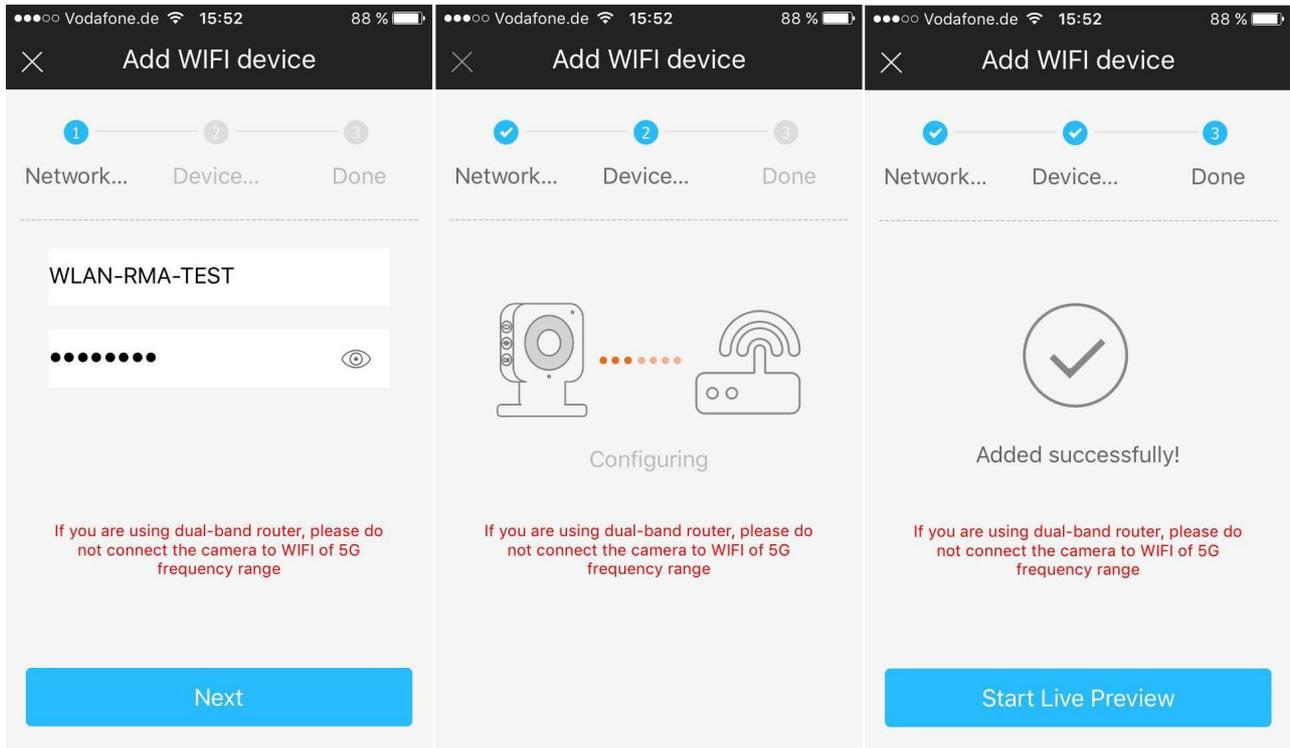


Figure 9-3

9.1.2 P2P configuration / LAN connection

This option can only be used when the camera is already connected to the LAN or connected to the WiFi.

1. Press on the button  and scan the QR-Code of the device. See figure 9-4
2. Name the device.
3. Username and Password are default (admin/admin).

Important: We recommend changing the username and password after first installation! Only possible via the WEB interface! If login data has be changed it must be changed in the My Secure Pro APP also.

4. Push notification should be enabled to get information about call or vandalism.

5. Press to save: 

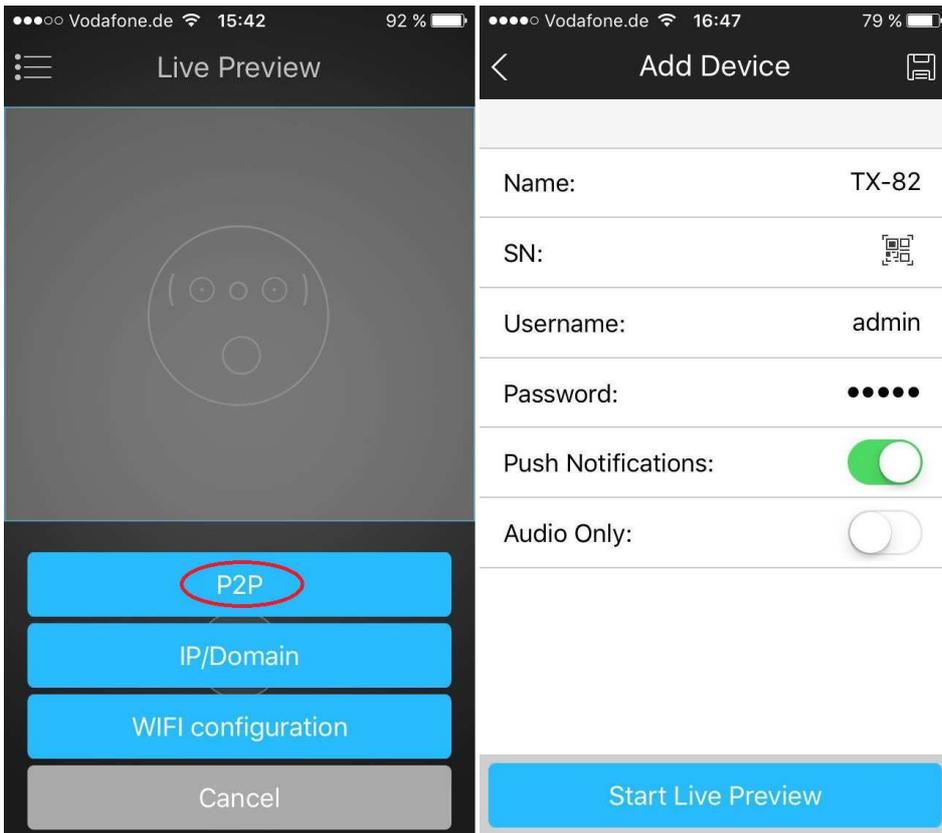
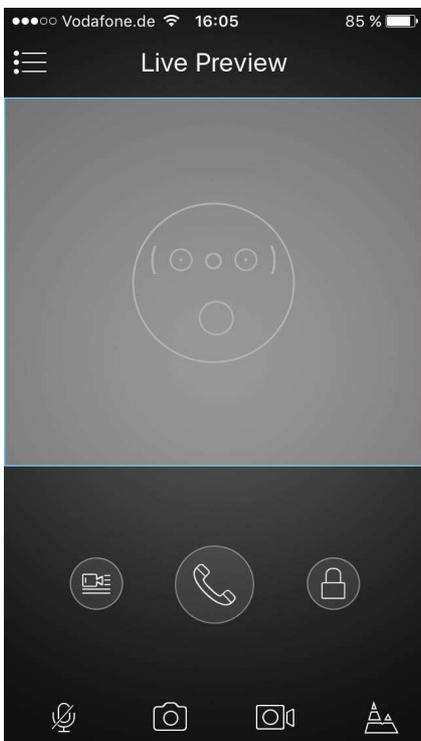


Figure 9-4

Tip: If you want to see the Doorphone under camera with all your other cameras. Add the camera under Camera option of the App with P2P function and you can see the live view.

9.1.3 Function of the Button -> Live Preview (9-5)



		Accept/Reject a call
		Open the door
		Deactivate microphone
		Take a snapshot
		Start/Stop video recording
		Select between Main and Extra stream.

Figure 9-5

9.2 Local files

Under local files you see manual taken snapshots and records of the door phone.

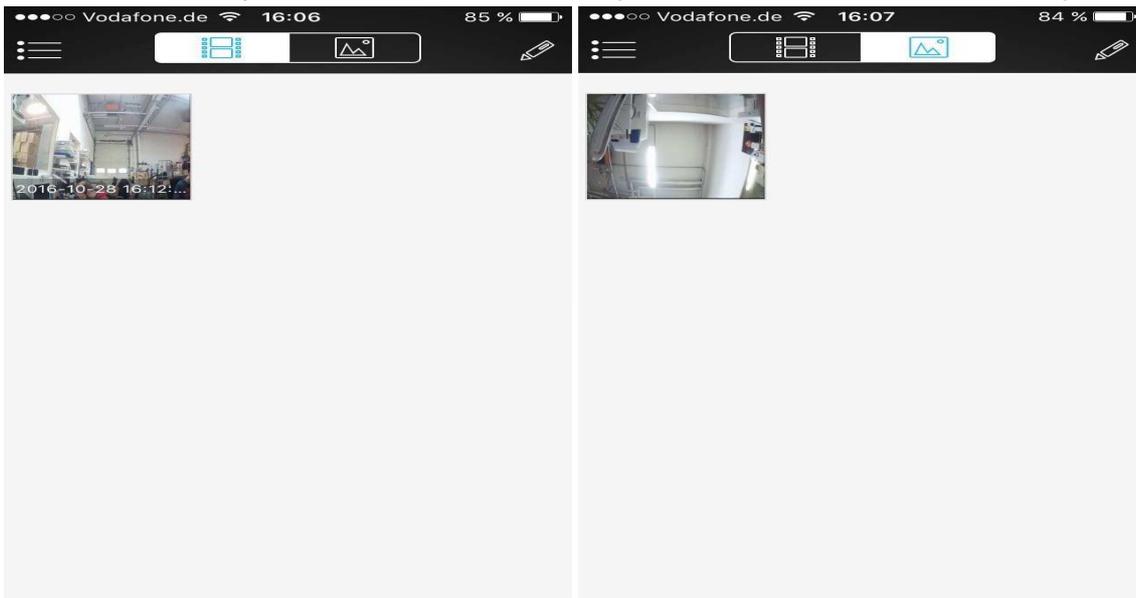


Figure 9-6

Tip: With the pencil on to top right corner you can modify snapshot or record. The options depend on the Smartphone you are using. Also you can delete the selected snapshot or record here.

9.3 Event List

Here you can see the event list of calls. It shows different devices, date and time.

10. Quick Configuration Tool

10.1 Overview

Quick configuration tool can search current IP address, modify IP address. At the same time, use it to upgrade the device. Note the tool only applies to the IP addresses in the

same segment. Find the tool on the CD.



10.2 Operation

To start software double click the “**ConfigTools.exe**” icon.

Press on Refresh  to see the device list. See interface in figure 10-1. (The interface can differ from the one that you have installed) If you don't see your device press on “Search Setting and adjust the IP range to the IP range of your router.

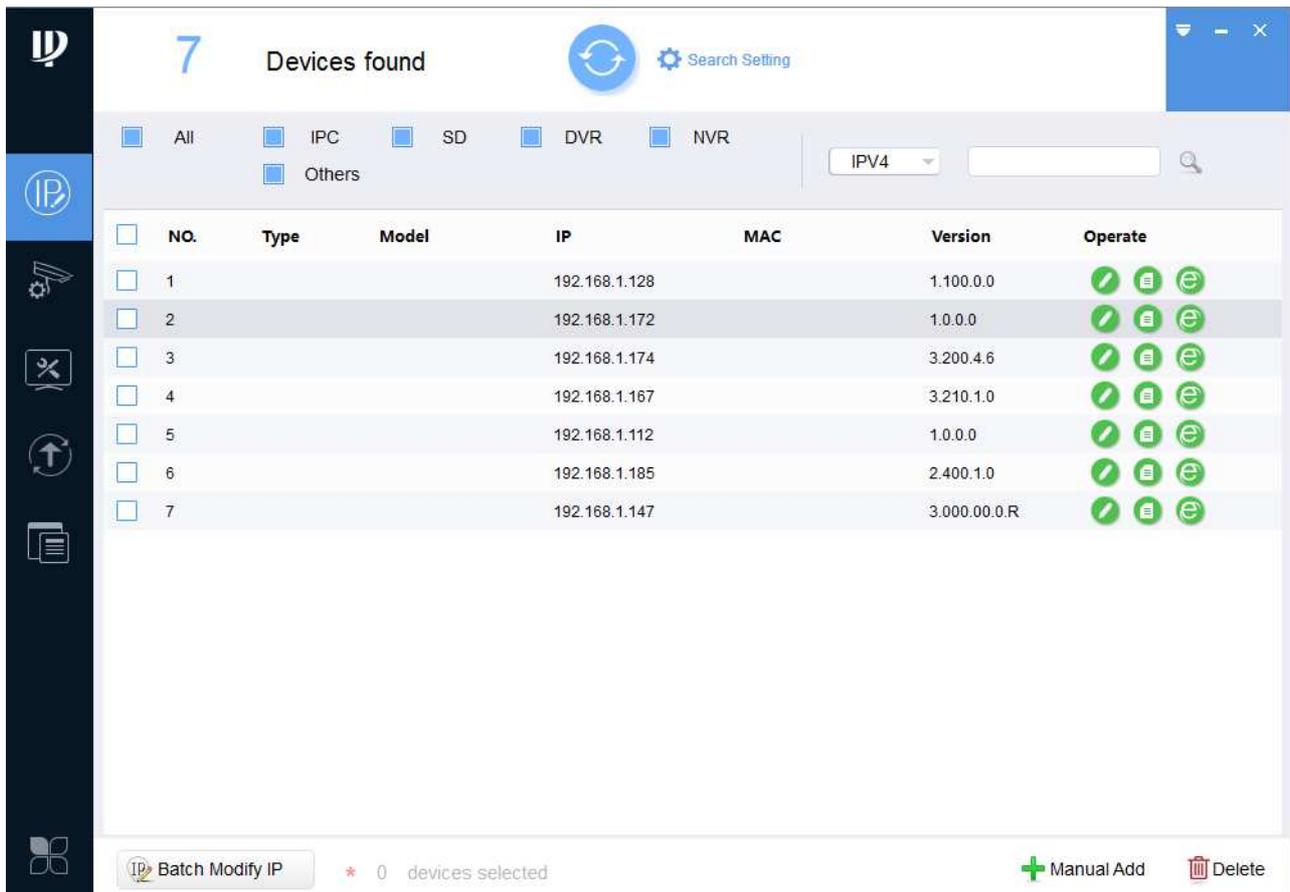


Figure 10-1

In the device list interface, you can view device IP address, port number, subnet mask, MAC address and etc. If you want to modify the device without logging into the device web interface, go to the configuration tool main interface to set . Please use the WEB interface!

In the configuration tool search interface (Figure 10-2), select a device IP address and then double click it to open the login interface.

Note: For your own safety we suggest to change the standard password immediately!

If you change user name and password, you must also update it manually in the APP.

After you logged in, the configuration tool main interface is shown as below. See Figure 10-2.

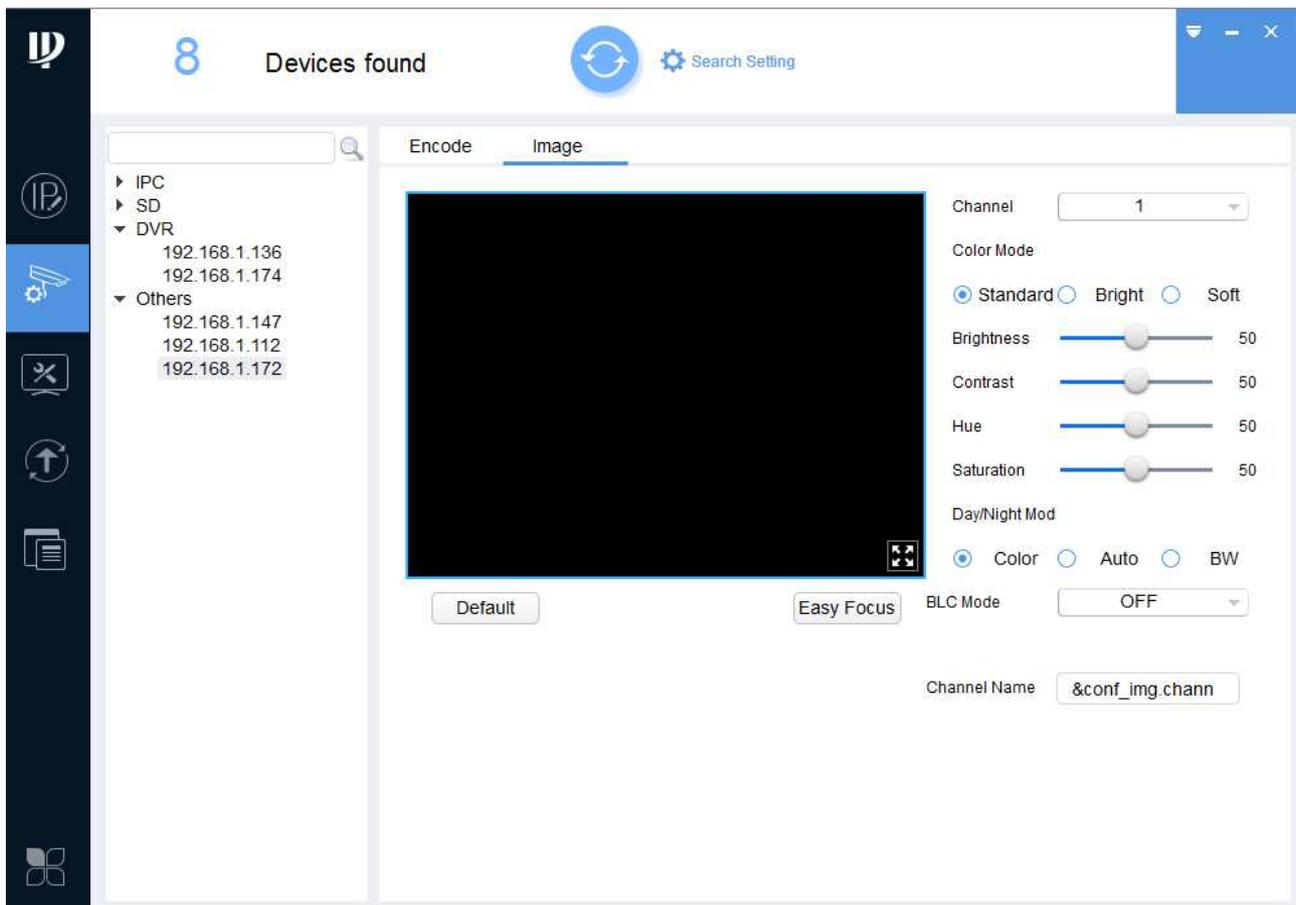


Figure 10-2

In Figure 10-2, you can see all the options that can be set. (Sometimes it is not possible because of safety issues to set all settings.) To set all options find out the IP of your device and enter it to the browser or press on  (Figure 10-1) to open the WEB Interface in your browser. You are prompted to install the associated Plug-in.

11 PC Software (My Secure Pro PC Client)

11.1 Install My Secure Pro PC Client

When the My Secure Pro PC Client is not on the attached CD, download My Secure Pro PC Client  from our homepage www.technaxx.de/support. After downloading My Secure Pro PC Client.exe to your computer double click to install. Now start the software and login. You see the figure 11-1.

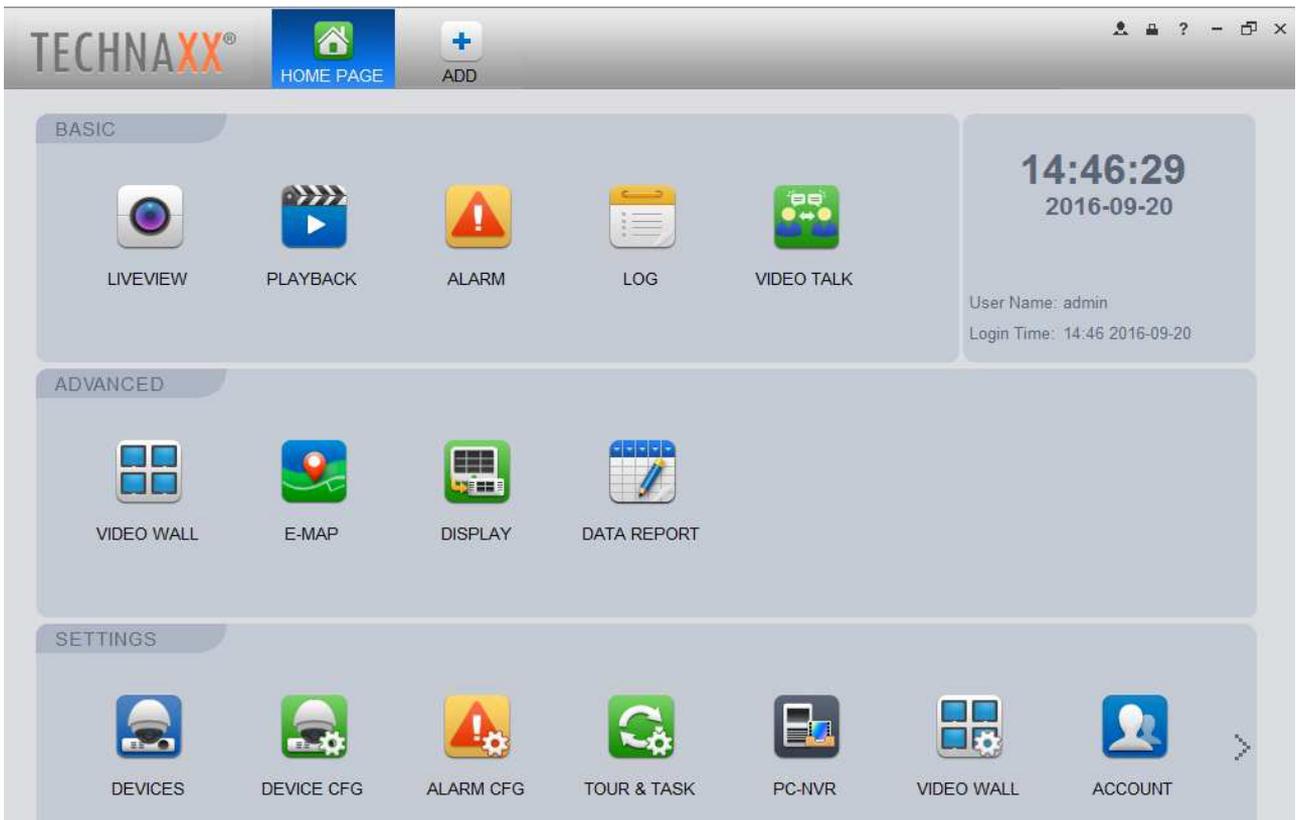


Figure 11-1

11.2 Add a device

To add a device click on the device symbol shown in figure 11-1 first symbol bottom line. Press the refresh button to refresh the device list. See figure 11-2. When you have installed your TX-82 and connected it via LAN/WLAN with your router, it should show up in the device list. To add the TX-82 to your devices just double click on it. **Note:** If you do not see your device, adjust the IP range to the IP range of your router (Device Network Section).

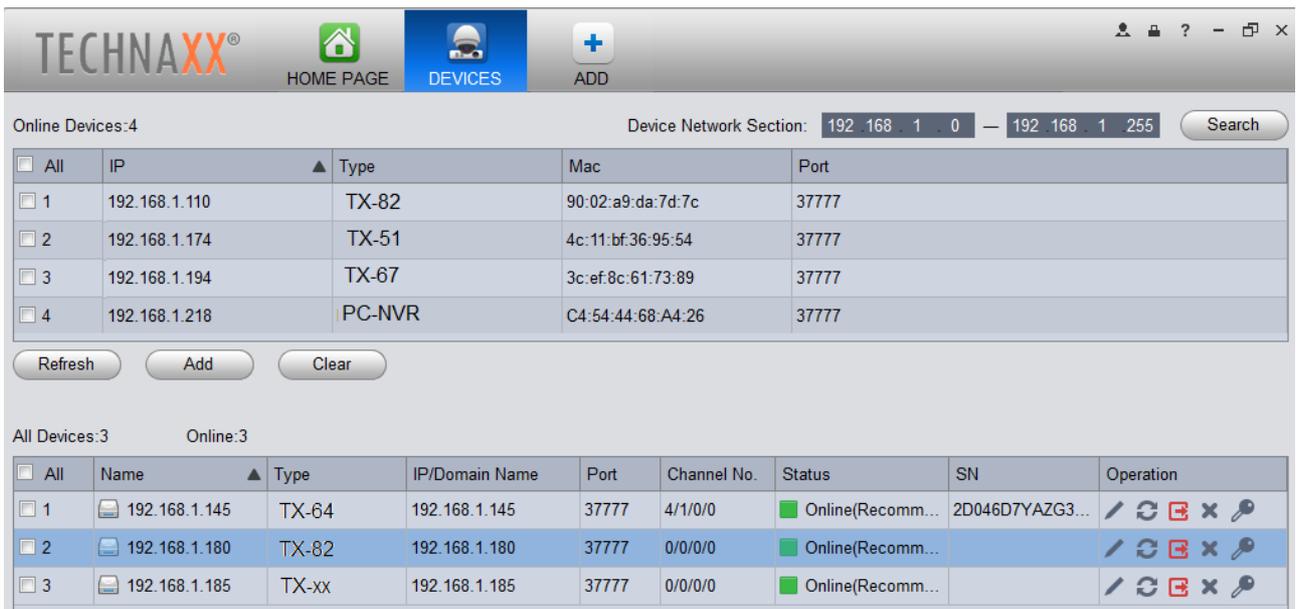


Figure 11-2

After double clicking the TX-82 you can see that it is now added to the device list below. See figure 11-3. By clicking one of the symbols under Operation the added devices also can be modified, refreshed, logged out, deleted or change password.

TECHNAXX® HOME PAGE DEVICES ADD

Online Devices: 3 Device Network Section: 192.168.1.0 — 192.168.1.255 Search

All	IP	Type	Mac	Port
<input type="checkbox"/>	192.168.1.194	TX-67	3c:ef:8c:61:73:89	37777
<input type="checkbox"/>	192.168.1.174	TX-51	4c:11:bf:36:95:54	37777
<input type="checkbox"/>	192.168.1.218	PC-NVR	C4:54:44:68:A4:26	37777

Refresh Add Clear

All Devices: 4 Online: 4

All	Name	Type	IP/Domain Name	Port	Channel No.	Status	SN	Operation
<input type="checkbox"/>	192.168.1.145	TX-64	192.168.1.145	37777	4/1/0/0	Online(Recomm...	2D046D7YAZG3...	✎ ↻ 🗑️ 🔑
<input type="checkbox"/>	192.168.1.180	TX-82	192.168.1.180	37777	0/0/0/0	Online(Recomm...		✎ ↻ 🗑️ 🔑
<input type="checkbox"/>	192.168.1.185	TX-xx	192.168.1.185	37777	0/0/0/0	Online(Recomm...		✎ ↻ 🗑️ 🔑
<input checked="" type="checkbox"/>	192.168.1.110	TX-82	192.168.1.110	37777	0/0/0/0	Online(Recomm...		✎ ↻ 🗑️ 🔑

Figure 11-3

11.3 Monitor TX-82

After you have added the TX-82 to your devices you can go to Video Talk. See figure 11-1 last symbol of top row. In figure 11-4 on the right you can see the installed TX-82 device/s. By double clicking on the IP, you will see the live view of the device (left top window). **Note:** If you don't see the device IP's directly you have to press on the + of building and then on the + of unit.

TECHNAXX® HOME PAGE VIDEO TALK ADD

Monitor Talk Announcement Setting

Input Search Criteria

- Building 1
 - Unit 1
 - 192.168.1.180
 - 192.168.1.110

Figure 11-4

11.4 Set MGT Centre

To get the calls of the TX-82 also on your PC, you have to insert and save the IP of your MGT centre in the following figure 11-5. For TX-82 as standalone we suggest to insert the PC with My Secure Pro PC Client installed. To get called, the PC must be online and My Secure Pro PC Client has to be in working mode with Video Talk opened. After you inserted the IP of your PC as VTS address go to chapter 6.2 LAN Config and enter the same IP address under MGT Center IP address and enable the box after the IP address. Also check the box for Call VTS or Not to receive calls on the PC. For TX-82 as standalone device set Call VTS Time from 00:00 to 23:59. **Note:** If it is not working go to chapter 6.4.1 TCP/IP and check if the DNS address is the same as the Default Gateway (IP address of the router). If you set Call VTS or Not you maybe will not receive push notifications via APP.

Attention: If you set VTS call yes/no, you will not receive Push notifications viar My Secure Pro APP over the period set above.



Figure 11-5

11.5 Talk

If you have followed the steps above and you get a call, automatically the live view will open in a smaller window. See figure 11-6. There you have the options to receive the call, unlock the door, take a snapshot, record a video, set the volume of the call or decline by pressing the x of the live view window. **Note:** To speak and listen over your PC you need microphone and speaker installed!

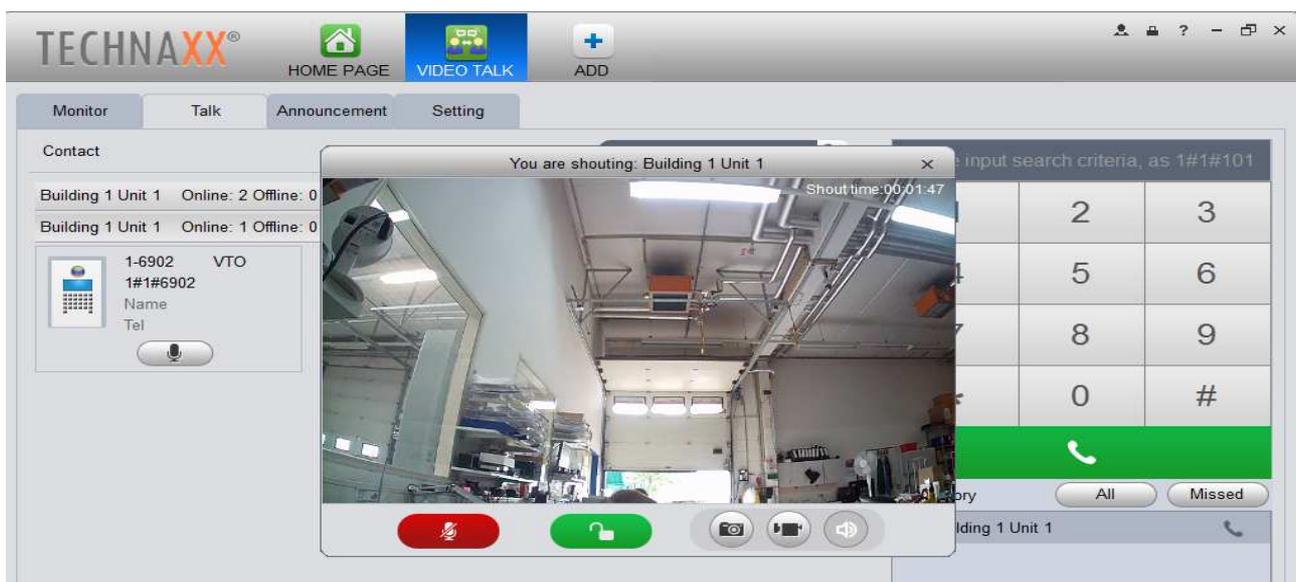


Figure 11-6

You also can see the live view when nobody is calling. Press on the microphone button and the live view window opens. See figure 11-7. **Note:** When you open the call from PC it is not possible to activate microphone or speakers.

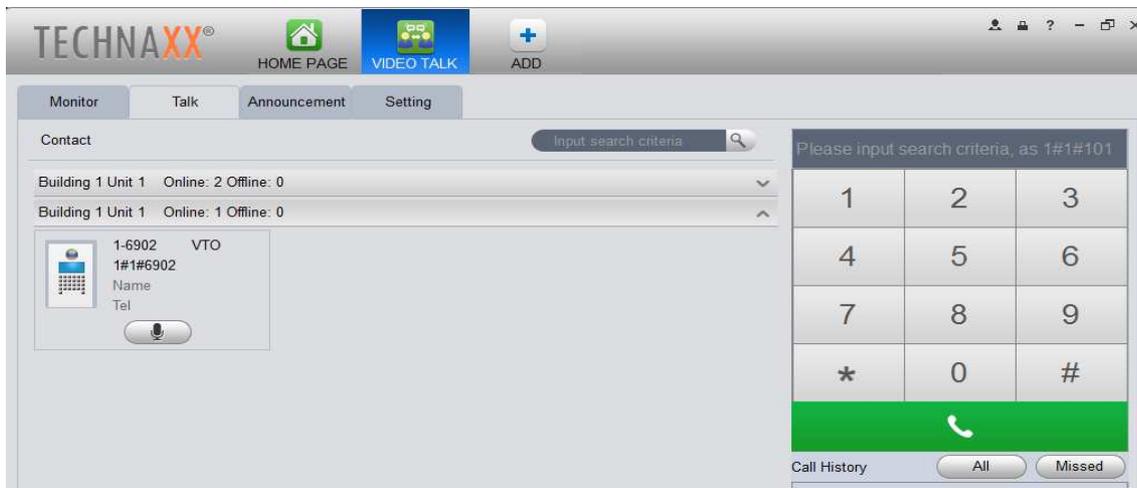


Figure 11-7

11.6 Smart Player

With the Smart Player which is installed with My Secure Pro PC Client you can play the .dav files. These files are created when you leave a message (saved on FTP) or record a video (saved local or FTP). You will find the software by default under C:\Program Files (x86)\Smart Professional Surveillance System\My Secure Pro PC Client\Player. See figure 11-8. **Note:** If you change the installation path you have to search for it.

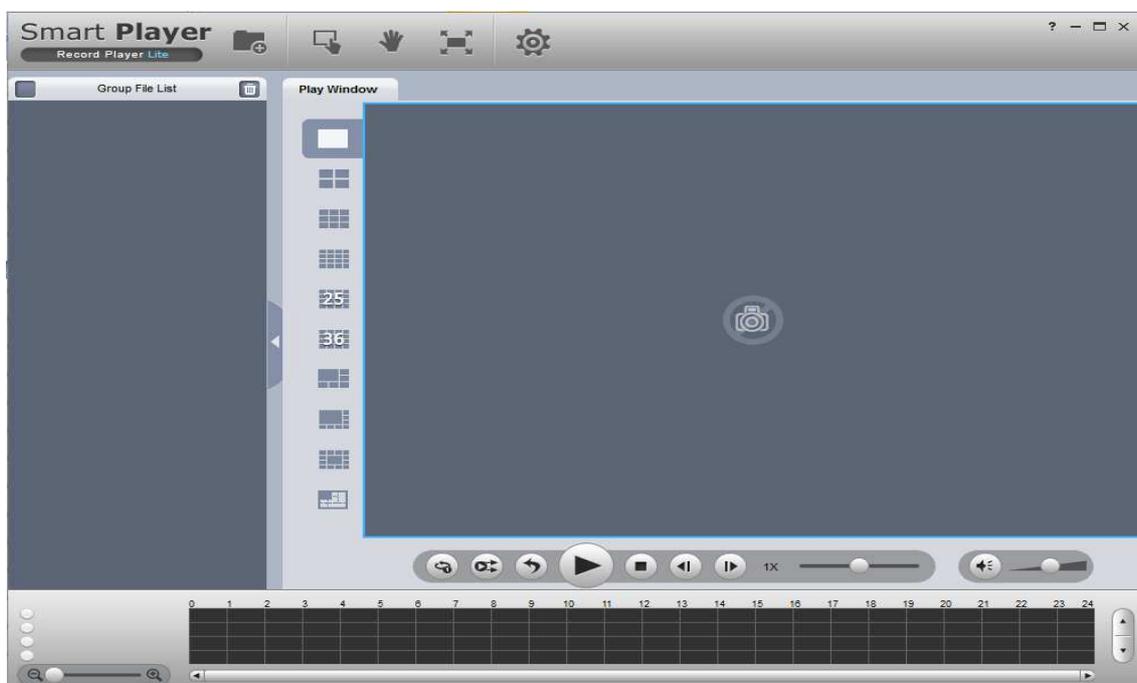


Figure 11-8

12 Technical specifications

System main process & OS	Embedded: Micro-Controller & Linux OS
Video	H.264 video compression standard
Video resolution	1280x720 (720P)
Audio	Audio compression G.711 (microphone, loudspeaker, 2-way-communication)
Door opening via...	WEB interface, My Secure Pro APP (iOS & Android), PC Client (Windows), RFID Chip (distance ~1–3cm)
Entrance	1-ch unlock button 1-ch door sensor feedback
Outdoor control	1 relay for main lock
Front camera	1 megapixel
Camera lens	2.2mm, viewing angle 105° horizontal & 72° vertical
Night vision	~1–2m with IR-Cut
Network	10/100Mbps self-adaptive Ethernet & supports IEEE802.11b/g/n wireless protocol
Network protocol	TCP / IP
Storage	Supports MicroSD cards up to 32GB
Current consumption	Work max. 7W & Standby max. 1W
External power supply	DC 12V/1A or standard POE (802.3af)
Protection class	IP65 (against water jet & dust)
Operating conditions	–30°C~+60°C, humidity 90% or less
Recommendations	Mounting height 1.4–1.6m / Surface mounting
Weight & Dimensions	400g / (L) 13.5 x (W) 7.0 x (H) 3.5cm
Package Contents	Smart WiFi Video Door Phone TX-82, 3x RFID Chip, Ethernet (LAN) adapter, Wiring harness (power/inputs/outputs), Wall mounting bracket, 3 screws & 3 dowels, 1 hexagon wrench T10, Waterproof protective cap, CD, User Manual

Note: This manual is for reference only. Slight difference may be found in user interface. All the designs and software here are subject to change without prior written notice. All trademarks and registered trademarks are the properties of their respective owners. If there is any uncertainty or controversy, please refer to the final explanation of us. Visit our website or contact your local service engineer for more information.

Keep this user manual for future reference or product sharing carefully. Do the same with the original accessories for this product. In case of warranty, please contact the dealer or the store where you bought this product.

Important Safeguards and Warnings

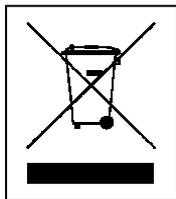
- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire. The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device.
- Do not use power line other than the one specified.
- Use the device properly. Otherwise, it may cause fire or electric shock.

Important Hint regarding the user manuals:

All languages of the user manual are on the CD enclosed.



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