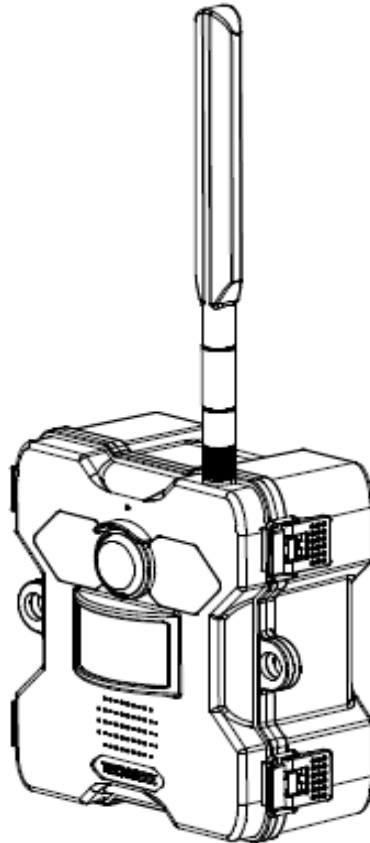


Technaxx® * User Manual

4G Wildcam TX-189

usable everywhere through mobile internet and rechargeable battery

Before using the appliance for the first time, please read the instructions for use and safety information carefully.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capacities, or by persons lacking in experience or knowledge, unless they are supervised or instructed on the use of this device by a person responsible for their safety. Children should be supervised to ensure they do not play with this device.

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.

Enjoy your product. * Share your experience and opinion on one of the well-known internet portals.

Specifications are subject to change without notice - please be sure to use the latest manual available on the manufacturer's website.

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Hints

● Only use the product for purposes due to its intended function ● Do not damage the product. Following cases may damage the product: Incorrect voltage, accidents (including liquid or moisture), misuse or abuse of the product, faulty or improper installation, mains supply problems including power spikes or lightning damage, infestation by insects, tampering or modification of the product by persons other than authorized service

personnel, exposure to abnormally corrosive materials, insertion of foreign objects into the unit, used with accessories not preapproved. ● Refer to and heed all warnings and precautions in the user manual.

Safety instructions

- The product is intended for the recording of digital photos and videos. It is intended for use by private individuals.
- Never touch the product with wet or damp hands.
- The product can only be operated with the voltage described on the interior panel.
- Do not place the product on an unstable surface. The unit could be damaged or persons could be injured. Any attachments should be made only in accordance with the manufacturer's instructions or obtained from the manufacturer.
- The cable is sheathed and insulates the current. Do not place any objects on the cable, as this could cause the protective function to be lost. Avoid placing excessive stress on the cable, especially at sockets and plugs.
- If you want to pull the plug out of the socket, always pull on the plug and not on the cable. The cable could otherwise break.
- Do not overload wall outlets, extension cords, or other wiring as this may result in fire or electric shock.
- Do not insert any objects into the openings of the unit, as current flows in some places and contact may cause fire or electric shock.
- ~~Unplug the power cord from the power outlet for cleaning.~~
- Do not use liquid cleaners or cleaning sprays. The product may only be cleaned with a damp cloth.
- Do not connect any additional devices that are not recommended by the manufacturer.
- Do not use the product in direct sunlight or places where the temperature may exceed 50°C for a long time.

Safety rules for rechargeable batteries

The product uses rechargeable batteries and can go wherever you need them. But ALL batteries can EXPLODE, CATCH FIRE, and CAUSE BURNS if disassembled, punctured, cut, crushed, short-circuited, incinerated, or exposed to water, fire, or high temperatures, so you must handle them with care.

To use the rechargeable batteries safely, follow these guidelines:

- ALWAYS store spare batteries in a cool, dry, ventilated area.

- ALWAYS make sure that the battery compartment is clean and free of any debris before inserting new batteries.
- ALWAYS make sure the battery contacts are aligned.
- ALWAYS keep all batteries away from children.
- ALWAYS follow local waste and recycling laws when throwing used batteries away.
- ALWAYS use the product to charge the rechargeable batteries.
- NEVER place the rechargeable batteries in a pocket, purse, or other receptacle, especially those containing metal objects.
- NEVER store the rechargeable batteries with hazardous or combustible materials.
- NEVER let the rechargeable battery or battery compartment get wet - before, during, or after installation. (Remember, your product itself is weatherproof, but its interior battery compartment and batteries aren't.)
- NEVER disassemble, cut, crush, puncture, short-circuit, dispose of batteries in fire or water, or expose the rechargeable battery to temperatures above 50°C.

Warnings

- Do not disassemble the product, it may result in short-circuit or damage.
- Battery life-span will decrease with usage. Charge the battery at least once every month to preserve battery in the event the product is not used for long time.
- Battery warning: Improper use of the battery may cause fire or chemical burns. The battery may explode in case of damage.
- Do not modify, repair or remove without professional guidance.
- Do not use corrosive or volatile liquid for cleaning.
- Do not drop or shake the device, it may break internal circuit boards or mechanics.
- Keep the device away from little children.

Notes on data protection

- Personal rights: When setting up the camera, be sure to respect the personal rights of the people around you. Under no circumstances may you set up the camera in such a way that people who happen to enter the recording area of the camera are recorded in such a way that they can be identified in any way! This also applies to the recognizable recording of vehicle license plates.
- Do not monitor public areas: Observe all national laws and regulations regarding the legality of recording in public areas (streets, sidewalks, parking lots, etc.) by private persons. Refrain from using the camera in such an environment that is in defiance of the law.

- No workplace monitoring: Observe all national laws and regulations regarding the legality of recording at the workplace by an individual. Refrain from using the camera in the workplace in a way that is in defiance of the law. Under no circumstances may you use the camera to monitor your use the camera for employee monitoring! Surveillance in the workplace is subject to particularly strict conditions in Germany.

- Delete recordings: Photos or videos of recorded people whose consent you do not have or that have not been informed, must be deleted immediately.

- Property protection: If using the camera for property surveillance or to investigate administrative offenses or crimes, ensure that only a perpetrator and not, for example, uninvolved persons are recorded.

- Handover to investigating authorities: Only if a misdemeanor offence has been committed, you may only hand over the recordings to the investigating and only to them. The investigating authorities will then decide on the further use of the recordings.

Note: Different laws may apply depending on the federal state. Seek professional legal advice in case of doubt.

Disclaimer

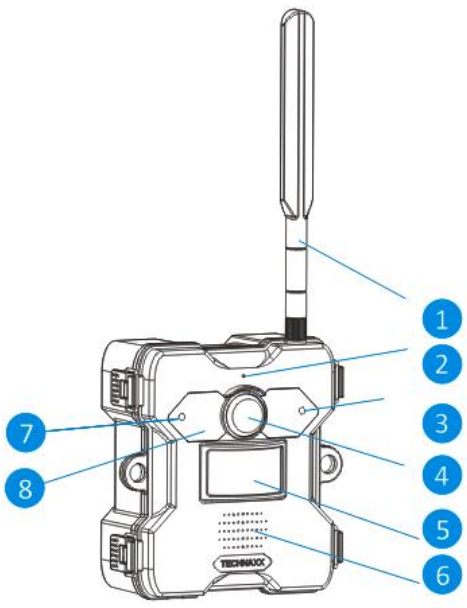
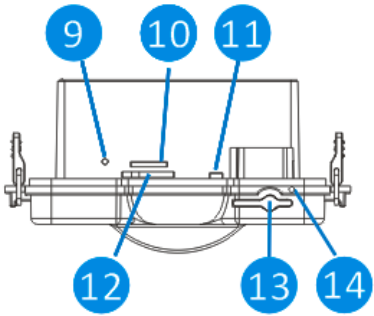
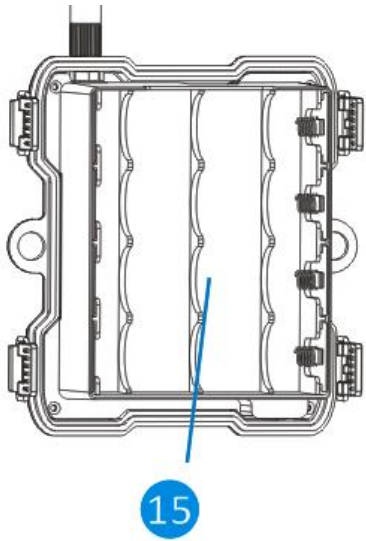
- In no event shall Technaxx Deutschland be liable for any direct, indirect punitive, incidental, special consequential damage, to property or life, improper storage, whatsoever arising out of or connected with the use or misuse of their products.
- This device is NOT intended to be used for illegal surveillance purposes and shall not be used in any form as evidence for claim purpose.
- Error messages may appear depending on the environment it is used in.
- Technaxx Deutschland is not liable/responsible for non- recording of events, missing files, etc.

Features

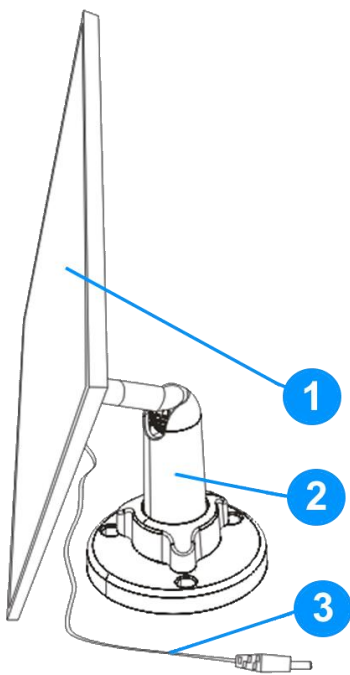
- Supports 4G, LTE mobile network connection via Nano SIM card
- Monitor house and garden without power
- Battery operated, large capacity with replaceable rechargeable batteries (working time up to 21days)
- FullHD video resolution 2560 x 1440 with max. 15fps
- Brilliant 1/3" CMOS color sensor (4MP)
- Wide viewing angle 100°
- PIR motion detection up to ~12m with automatically recording
- 8x IR LED no glow (940nm) up to ~15m for optimal night vision
- Waterproof & dustproof IP66
- Free "Security Premium" APP for worldwide access [iOS & Android]
- Download of recordings via APP on to your Smartphone
- Alarm function (push message) on your Smartphone
- Built-in microphone & speaker for 2-way communication
- Supports MicroSD(HC/XC) cards up to 256GB (Class 10) for local recording
- H.264/H.265 video compression (for space-saving recordings of high quality)

Product overview

Camera

Front		Bottom		Rear	
					
1	Antenna	6	Speaker	11	Power switch (On/Off)
2	Microphone	7	Status LED	12	MicroSD card slot
3	Light sensor	8	IR LED (8x 940nm)	13	Charging port (3.5x1.35mm)
4	Lens	9	Reset button	14	Charging LED
5	PIR sensor	10	SIM card slot	15	Battery compartment

Solar panel

	1	Solar panel	Adjust the solar panel towards the sun to get better power output.
	2	Bracket	Mount the solar panel with the bracket and screws.
	3	Cable	The length is 3meters and the connector is 3.5x1.35mm

LED instructions

Status LED		
1	Both green and red LED are constant on	Camera is being accessed remotely.
2	Green LED is constant on	Camera is turned on, woken up or was triggered by motion
3	Green LED flashes continuously	Camera is upgrading firmware
4	Green LED flashes slowly	Camera is charging
5	Red LED flashes slowly	Camera is connecting to the internet
6	Red LED is on for 10seconds	Camera is in a low power state.
7	Red LED flashes 3 times quickly	Camera is power off
8	LED is always off	Camera is in standby.
Charging LED		
1	Red LED	Camera is charging
2	Green LED	Camera is full charged

Button operation		
1	Power switch	On / Off
2	Press and hold the reset button for 5seconds	Reset

General information

Insert batteries

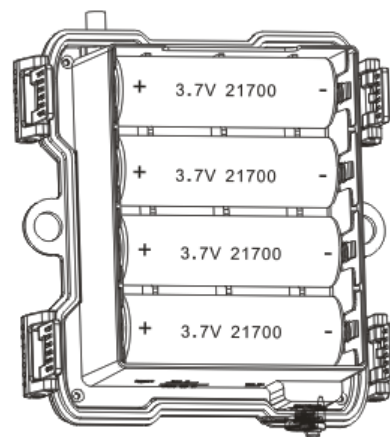
1. Take off the back cover
2. Slide the power switch to Off position
3. Insert the batteries with the polarities in the direction as marked in the battery compartment.
4. Tighten the back cover

Note: Charge the battery when the camera is in a low power status.

Battery type: 21700

Battery capacity: 4500mAh

Battery quantity: up to 4pcs



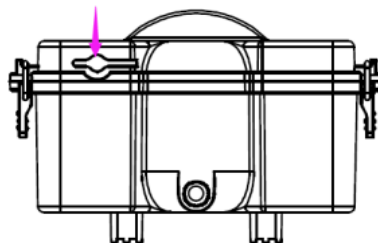
Charging

During use, if it is found that the APP pushes low battery message or the camera has a low battery warning indicator, you need to charge the camera, as shown in the figure. There are two methods to charge the batteries in the camera.

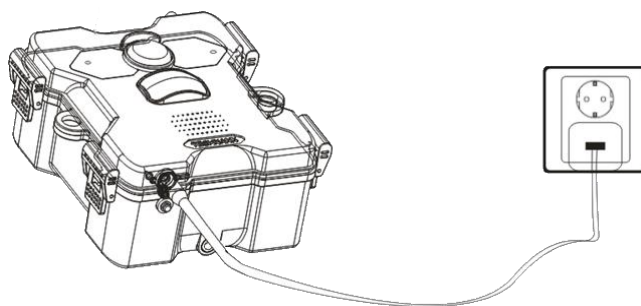
Note: First charging takes about 12h. For further information refer to the table under chapter “Battery life”.

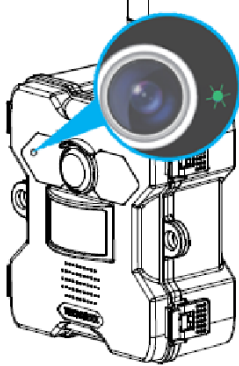
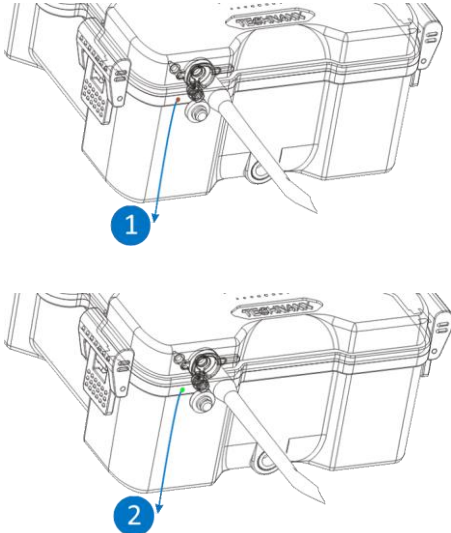
Power adapter

1. Connect the power supply to the camera charging port (13), using the included USB charging cable.

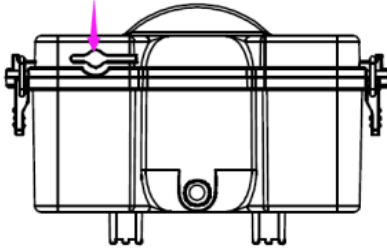
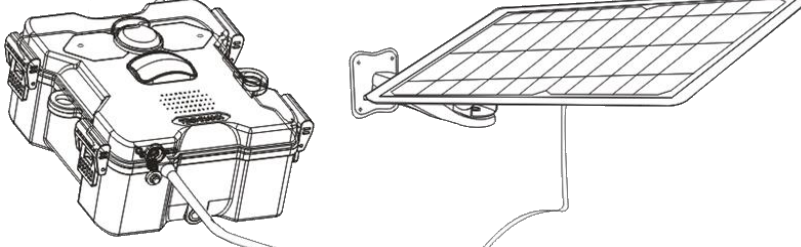


2. Put the USB power adapter* (*not included) DC5V/2.5A into a power outlet.



<p>3. In ON mode: During charging, the status LED (7) is flashing green slowly. The status LED (7) is off after charging is completed.</p>	
<p>4. In OFF mode: (1) During charging, the charging LED (14) is constant red. (2) The charging LED (14) is constant green after charging is completed.</p>	

Solar panel

<p>When use the camera outside to extend battery life, the solar panel can be connected to the camera charging port (13).</p>	
<p>The solar panel is 5 Watts with 3.5x1.35mm male plug. The maximum output voltage is 5V.</p>	

Battery life

Refer to the table below to see the camera's battery life using 1-4pieces 21700 batteries.

Testing Conditions: 5 times wake-up during daytime and 5 times wake-up during nighttime, average wake-up period 20seconds.

Note: Due to different conditions of use and different brands/quality of batteries being used, the figures provided are approximations only and you may achieve longer or shorter battery life according to your own method of usage.

The related parameters are approximately estimated as below.

Working Time				
Battery quantity	1	2	3	4
Battery capacity (mAh)	4500	9000	13500	18000
Standby time (sleep mode) (Days)	7	14	21	28
Standby time (wake-up mode***) (Days)	6	13	20	27
Continuous working time during the day (Hours)	10	20	30	40
Continuous working time during the night (Hours)	7	14	21	27
Charging Time (with USB power adapter DC5V)				
Full charging time (Hours)	3	6	9	12
Charging Time (with solar panel)				
Solar panel max. power (W)	5			
Full charging time in winter (Days)	2.5	3.5	6.5	8.5
Full charging time in summer (Days)	1.5	2	3.5	5
Average full charging time (Days)	2	3	5	7

*** with trigger or access camera via App, for example, 10times each day

Nano SIM card

To use the device in the 4G, LTE network, a Nano SIM card is required. The SIM card must have a data plan option booked, recommended at least: 500MB-1GB.

The SIM card needs to have the SIM pin disabled. Therefor insert the SIM card into a Smartphone and disable the SIM pin.

Important: Make sure that the contract/prepaid card you are using supports IP cameras and that the network operator allows the connection to the mobile network.

Info: Some network operators exclude devices like IP cameras from using the mobile network by IMEI fencing.

MicroSD card

Supports MicroSD card for local storage (max. 256GB). To guarantee the normal use of MicroSD card, before insert the MicroSD card, make sure its file system is FAT32 for 4-32GB and exFAT for 64-256GB. Check if there is more than 256MB space available.

For 64-256GB MicroSD cards it might be necessary to format the MicroSD card after inserting and configuration via the App. To work properly, the App must show the following status under device memory: Normal.

IR LED

The device activates the infrared light automatically as soon as low illumination prevails.

RESET Button

Using e.g. a paper clip to press and hold the reset button for 3 seconds to reset the device.

Quick operation guide

TX-189 can only be configured by iOS or Android APP!

Charging

1. Take off the back cover
2. Slide the power switch to Off position
3. Insert the 4x type 21700 batteries in the same direction into the battery compartment. Note the correct polarity direction of the batteries in the battery compartment!
4. At the first time charge the batteries for about 12h with an USB power adapter* DC5V/2.5A (*not included) at home.
5. After the batteries once were fully charged, the solar panel can be used for charging as well.

Preparation

1. Slide the power switch to Off position.
2. Insert a Nano SIM card* into the SIM card slot for Internet connection (*not included). Insert the Nano SIM card with its contacts facing downwards and the cut off edge on the front left corner. According to the orientation of the camera in the figure below.

Note: ● The SIM card needs to have the SIM pin disabled. Therefore insert the SIM card into a Smartphone and disable the SIM pin. ● The SIM card needs a data plan option (recommended at least: 500MB-1GB)

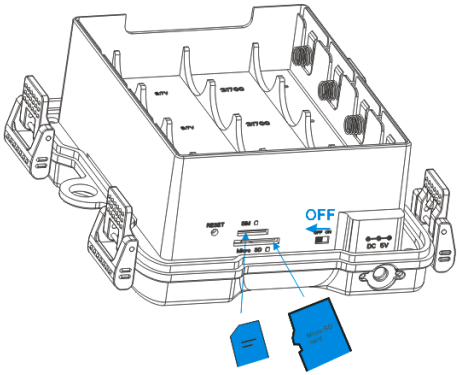
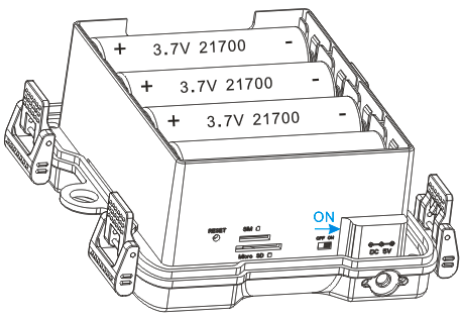
Important: Make sure that the contract/prepaid card you are using supports IP cameras and that the network operator allows the connection to the mobile network.

Info: Some network operators exclude devices like IP cameras from using the mobile network by IMEI fencing.

3. Insert a MicroSD card* into the MicroSD card slot for saving recordings (*not included). Insert the MicroSD card with the contacts facing upwards. According to the orientation of the camera in the figure below.

Note: A MicroSD card must be inserted into the camera before it can be operated. Before inserting or removing the MicroSD card, the camera must be in OFF Mode. Failing to do so may cause loss of or damage to the videos already recorded on the MicroSD card.

4. Install and tighten the antenna.

	
<p>Insert SIM card and MicroSD card (2 & 3)</p>	<p>Power on the camera (5)</p>

5. Slide the power switch to the ON position, the green status LED is constant on. The prompt voice tells you that “The network is connecting”. If the connection to the Internet was successfully you will hear the prompt “4G Network connection succeeded”

6. Tighten the back cover.

Get App and add camera

→ If you heard the prompt “4G Network connection succeeded”, the connection to the Internet was successful and you can proceed.

→ To download the App Security Premium from the Appstore or the Playstore search for “Technaxx Security Premium” or scan the QR-code below.

[iOS 13.0 or above; Android 10.0 or above (11-2022)]

		
<p>APP icon</p>	<p>iOS</p>	<p>Android</p>

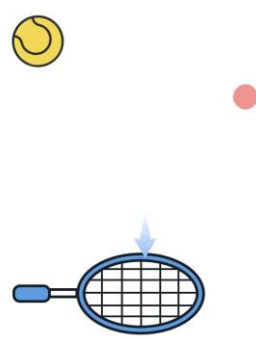
→ Open the Security Premium App on your device.

→ Register Account.

1. On the login interface, click on register, enter the phone number/email, tick the box for data protection and terms of use and confirm.



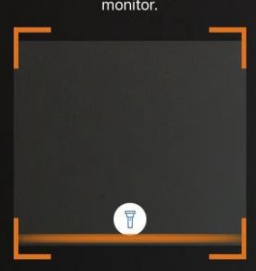
2. Follow the security request. Drag the tennis ball on the screen over the red button on to the racket.

3. Enter the verification code from phone number or email and enter an account password and repeat it in the second column.
4. Click on Confirm to create an account and login.

<p>Log in</p> <p>Email/phone number <input type="text"/></p> <p>password <input type="password"/></p> <p>Forget password? Register</p> <p>Confirm</p> <p><input checked="" type="checkbox"/> Remember Password</p>	<p>Register</p> <p>Email/phone number <input type="text"/></p> <p>password <input type="password"/></p> <p>password <input type="password"/></p> <p><input type="checkbox"/> Registration agree User Agreement And Privacy Policy</p> <p>Confirm</p> <p>Already have account, log in</p>	<p>Safety certification</p> <p>Drag the tennis ball on the screen to touch the racket through the red dot</p> 	<p>Setup password</p> <p>Verification code has been sent to test2@technaxx.de, please check.</p> <p>Verification code <input type="text"/></p> <p>Get verification code again(103S)</p> <p>password <input type="password"/></p> <p>password <input type="password"/></p> <p>The password is 6-20 characters long, using numbers, symbols or letters and distinguish Capitalization</p> <p>Confirm</p>
1	2	3	4

- After login to the App press the plus **+** symbol on the top right corner and choose Scan (1 & 2)
- Scan the QR-Code on the camera or enter manually the ID. (3)
- Change the name according to your needs. (4)
- Keep User name and do not enter password! (4)
- Click on Complete in the top right corner. (4)

Important: Change the password after you have added the camera successfully to the Security Premium App. Currently the camera has no password entered!

<p>Device Group +</p> <p>+ Add smart device</p>  <p>Device Me</p>	<p>Device Group +</p> <p>+ Add smart device</p> <p>+ Add smart device + Scan</p>  <p>Device Me</p>	<p>Scan</p> <p>After power on, scan the QR code on the device or displayed on the monitor.</p>  <p>Photo album add manually</p>	<p>ADD by ID Complete</p> <p>Cloud ID 4215XXXXXX</p> <p>Device's name Device1</p> <p>User name admin</p> <p>Password Input device password</p> <p>Other adding way</p> <p>„Device1“</p> <p>q w e r t z u i o p</p> <p>a s d f g h j k l</p> <p>y x c v b n m</p> <p>123 Leerzeichen Fertig</p>
1	2	3	4

Signal reception

After setup, the camera uses the cellular network to send notifications to your Security Premium account and to provide you with live view and video playback. Files are saved local on the inserted MicroSD card.

For best results, we recommend placing your camera in a location where the Security Premium App displays at least three bars of mobile network signal strength in the live view. If your camera is in an area with consistently low signal strength (two bars or less), you might experience these problems:

- You are sometimes unable to view your camera live, or the video stream fluctuates.
- You are sometimes unable to watch recorded videos right away.
- Notifications are sometimes delayed.
- Your battery depletes more quickly than usual because your camera spends so much time attempting to reconnect to the network.

Optimize Mobile Network Connectivity

To optimize mobile network connectivity for your camera:

1. Check your mobile network coverage map for the area in which you want to use your camera.

Note: Cellular coverage fluctuates based on network traffic and weather conditions. If you place your camera near the edge of a coverage area, your connection weakens or drops whenever the mobile network is carrying a lot of traffic in that area. Heavy rain, thunderstorms, and high humidity can also weaken your camera's mobile network connection.

2. Check the mobile network signal strength in the place where you want to put your camera.

The easiest way to do this is to go there and check the signal strength on a mobile phone that uses the same mobile network service. If the signal strength is good enough, you can set up your camera and then look at your camera signal strength in the Security Premium App under camera settings.

Mounting



PIR sensor (motion detection) is sensitive to hot and cold disturbances, note:

1. Avoid installing the camera where the air flow is agitated.

For example: the air outlet of the air conditioner, the heat dissipation port of the equipment, the side of the fan, the vicinity of the curtain, etc.

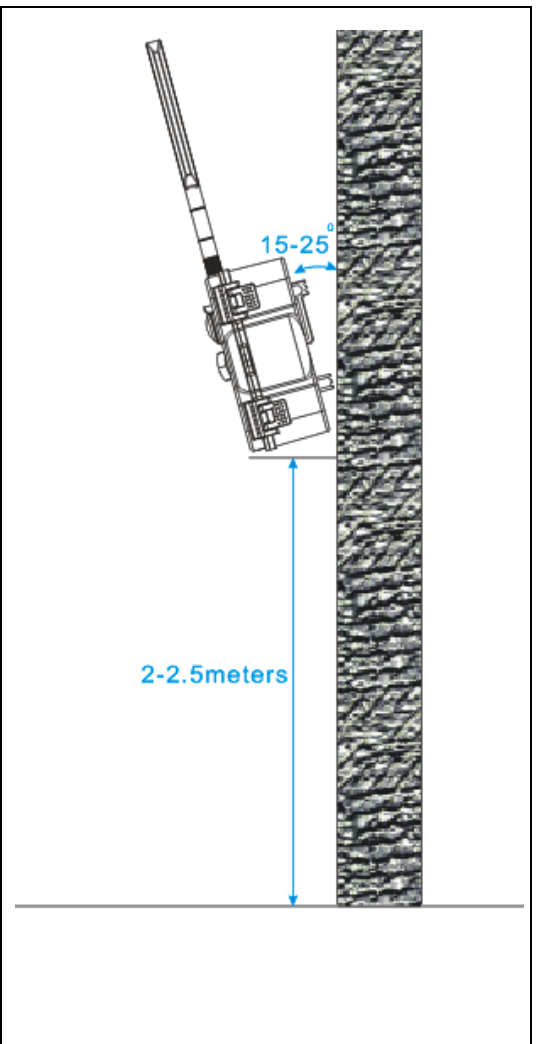
2. Please do not install the camera facing the lens in front of window, glass or mirror.

3. The **height** of the camera installation should be **2-2.5m**, which is the best distance for the PIR trigger.

4. Tilt angle should be 15-25°, for best PIR detection.

5. Do not install the camera upside down.

Note: The right picture shows the optimal alignment for the camera to get the best PIR detection. Using the tilt angle is not necessary but can improve the PIR detection.



Alignment

Camera

When placing your camera, keep these tips in mind:

- Avoid placing the camera in an area that gets a lot of light shining directly into the camera lens.
- You can move and zoom the field of view.
- Keep active locations in the camera's field of view. The camera provides a 100° viewing angle. Position your camera so that the space you want to monitor is within the camera's field of view.
- To help with placing your camera, do a live stream from the camera. Aim the camera while watching the video feed on your Security Premium smartphone app to make near-real-time adjustments to the camera's position.

Solar panel

Depending on the environment, the place where you put the camera may not be the most suitable place to intercept the solar energy with the solar panel. Therefore, the connection cable is 3 meters long, so you have great

freedom to choose a sunny place for the solar panel. The flexible arm then allows the solar panel to be oriented towards the sun.

Mounting ways

Belt

Use the mounting belt** (**included) to mount the camera to any object (e.g. tree) you can get the belt around.

Pull the belt through the rectangular oblong holes on the back and put the belt around the desired object. Now fasten the belt. Make sure that the protruding belt is not visible.

To release the mounting belt, simply press the clip and pull out the belt end.

Tripod

Note: 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.

The camera has a threaded socket on the bottom for a 1/4 inch tripod thread, which you will find on almost all commercially available camera tripods. This allows you to mount the camera on a variety of tripods, wall or tree mounts available in the trade.

Solar panel

With the included bracket, the solar panel can be easily screwed to flat surfaces. There is a 1/4-inch thread for tripod screws on the back of the solar panel, allowing you to set up the device with common tripods. This allows you to mount the solar panel on a variety of tripods, wall or tree mounts available in the trade.

App picture
version 3.4.

The password is 6-20 characters long,using
numbers,symbols or letters and distinguish
Capitalization

n

Security f
Registratio

Please take
(1) Click “R
(3) Drag the
The system
account, (4
enter an a
complete r
users canno
Info: When
or grouped
be lost eve
re-install th
some auxil
notification.

3.
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1	2	3	4
Register	Enter Email	Safety certification	Enter verification code and password

Forget Password

If you forget the password and need to get it back, click „Forget password”. Enter the Email address into the user interface and press Confirm. The

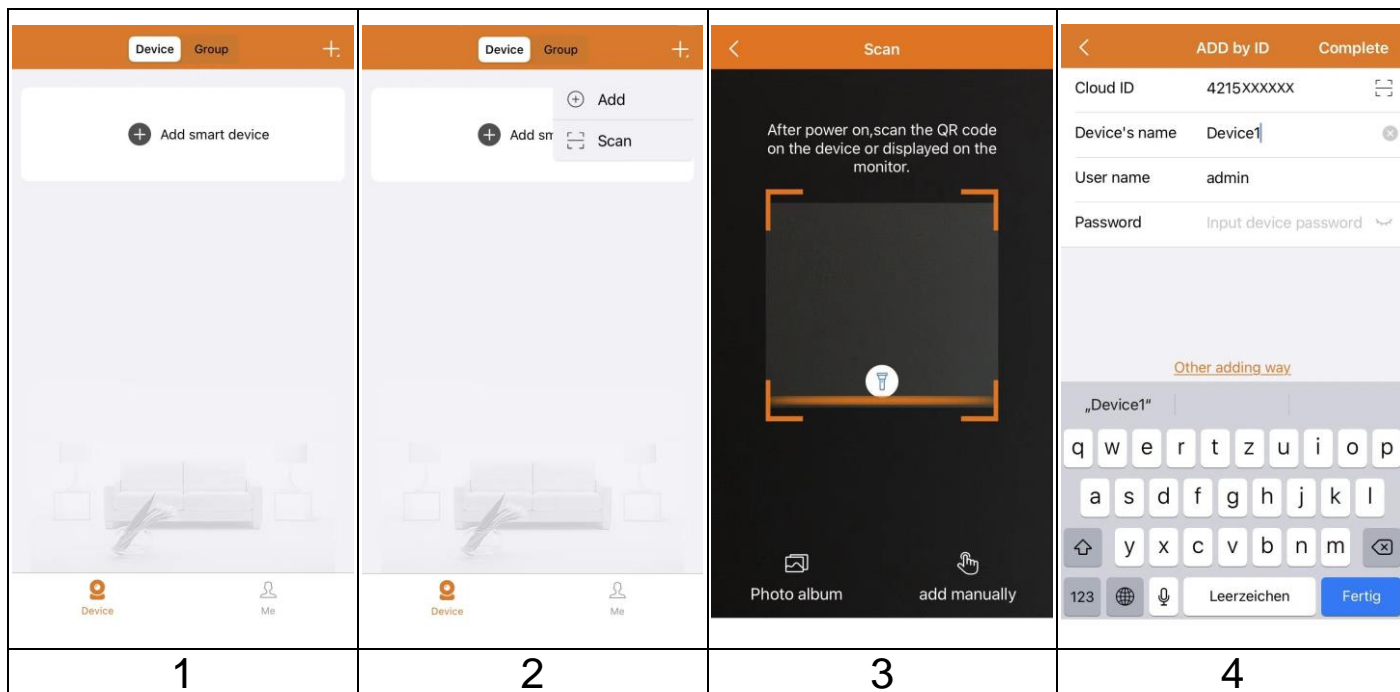
system sends a confirmation Email, which the user can check via his Email account.

How to add a device

Add Device

Login to the App if not already done and go to “Device” interface.

iOS and Android:



(1) Click “+” on top right corner to add.

(2) Choose Scan.

(3) Scan the QR-code on the camera.

(4) Change the device name to your needs, e.g. garden.

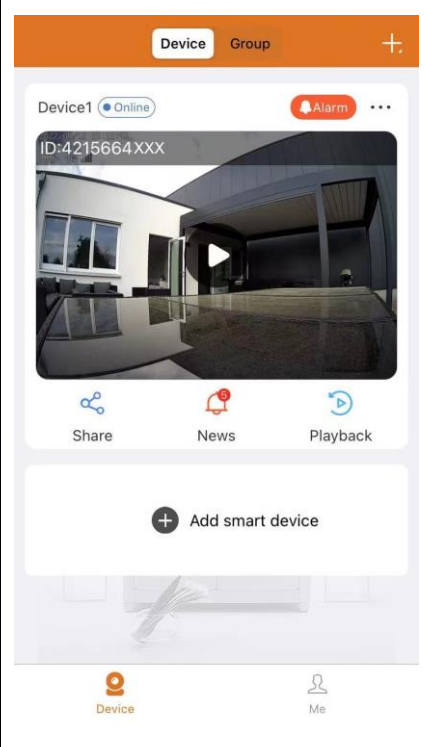
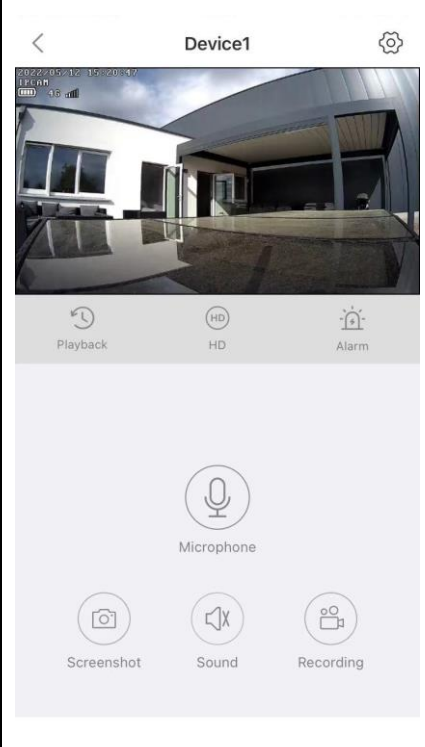
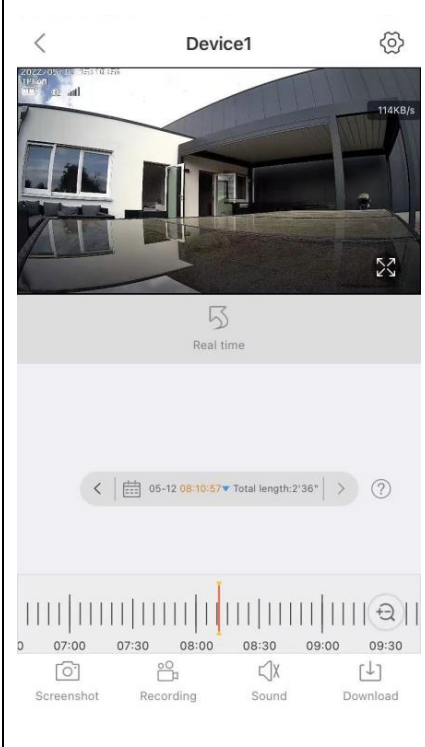
- Do not change the user name!
- Do not enter a password!

Press on Complete (top right corner).

Important: Change the password after you have added the camera successfully to the Security Premium App. Currently the camera has no password entered!

How to navigate in the App Device

In the Device Interface you can see all your added devices. After clicking on the three dots next to the status (online, connecting, offline) you can set the device to the top, show manually taken Screenshot/Recordings, Edit or Delete the camera. Under the camera image you can find Share, Info (Push), and Playback.

		
Device Interface	Live view Interface	Playback Interface



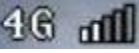
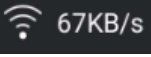







Live view







By clicking on the play button on the Device interface you enter into real-time viewing. If the Smartphone can't connect to the device, it will show offline. If password is wrong, it will show wrong password, enter again. Click on the three dots right next to it and click on Edit. Here you can try to enter the password again.

Gesture operation

- Two fingers touch the screen and move outward to enlarge the image.
- Two fingers touch the screen and move inward to narrow the image.
- Single finger double clicks the screen to enlarge or narrow the image.

Button function list for Live view and Playback

	Device Setup	Click top right corner to setup camera
	Battery status	Shows the battery status as follows: 4 bars = 75-100% 3 bars = 50-75% 2 bars = 25-50% 1 bar = 1-25% A flash next to the battery status shows that the device is charging.
	Reception	Shows the reception of the cellular network. 2 bars and lower can cause problems for live view, playback and settings. 3 bars and more should cause a stable connection.
	Connection	Shows the transmission speed of the data
	Full screen	Enlarge the image
	Playback	Playback videos stored on the MicroSD card
	Return	Return to live view.
	Resolution	Users choose the Resolution according to their needs. Note: HD = higher data consumption!
	Alarm	Enable the alarm sound on the camera manually. It will last for max. 15s or until you stop it manually.
 	Microphone	Click on it to start the two way communication. (Press and hold the microphone symbol.) To stop, click on cancel.

	Screenshot	Take a screenshot of the live view. It will be stored on your Smartphone. Go to Me and click on Screenshot/Recording to view the taken pictures.
	Audio	Turn on/off the audio of the live view or the playback
	Recording	Click to record the currently seen as video. Click again to stop recording and save the video file to your Smartphone. Go to Me and click on Screenshot/Recording to view the taken recordings.
	Real time	Click to return to the live view
	Calendar	Choose the date you want to see the playback
	Zoom	Click it to zoom in and out on the timeline

Device Setup

Clicking on Setup or Setting under the live view. It opens the Device setup below.

Setup	Save	Setup	Save	Setup	Save	Setup	Save
Device's information		General settings		Device's information		Storage management	
Device's ID	4215664XXX	4G card management		General settings		Time setting	
Device's type	TX-189	Enable audio recording	<input checked="" type="checkbox"/>	Storage management		Advanced settings	
Device version	3.7.19.0	Device indicator	<input checked="" type="checkbox"/>	TF card storage		Video screen flip	
Signal	Strong	Prompt	on	Time setting		Video quality settings	
General settings		Device volume		Time synchronization		Privacy zone setting	
4G card management		Smart detection	on	Choose time zone	GMT+8	Setup password	
Enable audio recording	<input checked="" type="checkbox"/>	Power management	82% - Best recording	Daylight Saving Time	off	User name	admin
Device indicator	<input checked="" type="checkbox"/>	Usage scenarios	Humanoid or mobile tri...	Advanced settings		Password	
Prompt		Firmware update		Setup password			
Restart the camera		Restart the camera		Restart the camera		Restart the camera	
Delete and reset the camera		Delete and reset the camera		Delete and reset the camera		Delete and reset the camera	

This interface can differ a little bit depending on the use of iOS or Android. All options are explained below.

Device Information

Device ID	The ID number of the device. This item cannot be filled in. Device ID will be automatically configured according to device type.
Device version	Current installed firmware version
Signal	Signal strength of the cellular network (Strong, middle, weak)

General settings

4G card management	Information about the inserted SIM card: <ul style="list-style-type: none"> Signal strength of cellular network ICCID of the SIM card IMEI of the camera
Enable audio recording	Enable/Disable the microphone for video recordings or two-way-talk.
Device indicator	Enable/Disable the status LED
Prompt	- Enable/Disable the prompt tone of the device. - Change the language according to user's needs. Voice Prompt is mainly used for status information for the user.
Device volume	Set the volume for device plays sound and alarm volume
Smart detection	- Smart detection: Enable/disable motion detection alarm. When the alarm function (motion detection) of the camera is triggered, the device will push the alarm

	<p>message to our server and then the server will push the message to your Smartphone which bind push service and receive alarm push.</p> <ul style="list-style-type: none"> - Humanoid detection alarm: Enable/disable the detection option. When a humanoid is detected, an alarm message (Push) is generated. - Detection sensitivity: Set the sensitivity of humanoid detection. - Smart detection recording: Enable/disable detection of a moving object in the image, the camera will record the video and save it to MicroSD card. - Smart detection of recording duration: Set the time how long a video recording last. Choose 10s, 20s or 30s - Motion detection sensitivity: Select the sensitivity of the motion detection. Depending on the circumstances, a different attitude may be the best. Lowest about 1-2m; At the highest up to 12m - Alarm message push / Push notification: Enable/disable this function to get push notifications from the camera with every detected humanoid or motion. - Alarm prompt tone: Enable/disable to hear a siren sound from the camera with every detected motion. After you enabled the function you can choose to use the default sound or customize the alarm by recording your own sound.
Power management	<ul style="list-style-type: none"> - Best power saving: Record 10s video when a moving object is detected. - Best recording: When a moving object is detected, continue recording until the end of the movement. - Keep recording: The device keeps recording continuously and automatically switches to the best recording, when the power drops below 50% and resumes recording when the power rises above 80% again.
Usage scenarios	Choose the usage scenario.
Firmware update	Click and check if there is new software version. If there is, click and update directly to achieve OTA upgrade of the device. If the version is already the newest, there will be a prompt.

Storage management / device storage	
TF card storage	<p>Below options are listed under Device Storage.</p> <ul style="list-style-type: none"> - TF card status: Show the status of MicroSD card (normal or abnormal). If the status is abnormal Format the MicroSD card. This takes about 3-5minutes. - Remaining available capacity: Shows available storage capacity of MicroSD card. - Format: Click it to format the MicroSD card. The procedure is about 3-5 minutes and is not blocked by other operation. Note: 64 -128GB can be necessary to format via the App! It could be necessary to format until the App shows MicroSD status: Normal.
Time setting	
Time synchronization	Time syncing between Smartphone and camera.
Choose time zone	Time zone is set automatically. If not, adjust it here.
Daylight saving time	Enable/disable summertime. Choose country.
Advanced settings	
Video screen flip	<ul style="list-style-type: none"> - Flip up and down: Enable/disable to change alignment - Flip left and right: Enable/disable to change alignment
Video quality settings	Change the pattern of the IR LED to auto, White light (IR off) or night time (IR on). If you use White light or night time the IR light will be always off/on. With auto it changes automatically if IR LED is needed or not.
Privacy zone setting	Black out areas of the camera image that should not be seen on the recording or in the live view.
Setup password	
User name	Admin is a fixed username, cannot be changed.
Password	Click on password to change the old password to a new one.
Further settings	
Restart the camera	Click to restart the camera.
Delete and reset the camera	Click to reset the camera and delete the camera from your account.

Playback

Click the button of remote  playback in the live view.

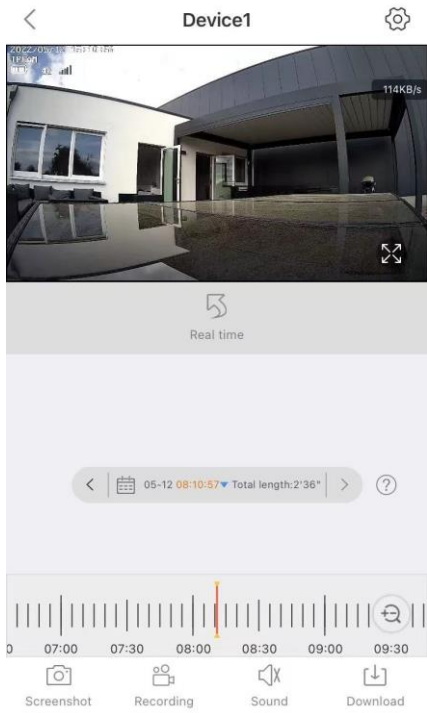
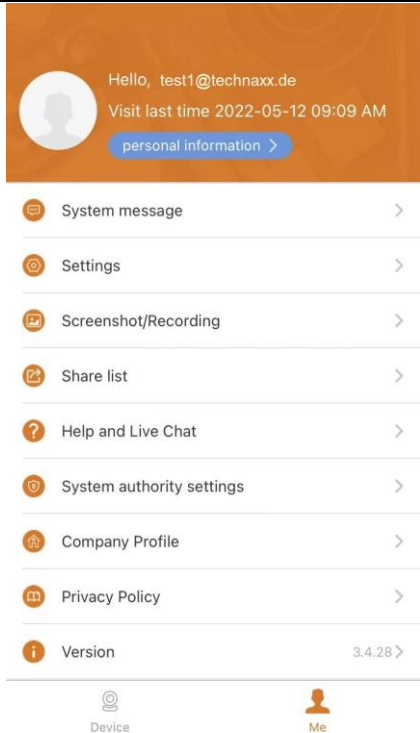
Precondition of camera remote playback:

→ Make sure the camera time is already time synchronized with the App
→ Insert the suitable MicroSD card into the camera. → enable motion detection recording.

Remote playback function of the device then only can be used.









→→ Choose the time by swiping the timeline left and right. →→ The red cursor marks the start time of playback. →→ Two fingers touch the timeline & move outward to narrow the time scale. →→ Two fingers touch the timeline and move inward to enlarge the time scale. →→ Press play in the middle of the shown image to start the playback



In the timeline you can find the color RED. RED marks the recordings of motion detection.

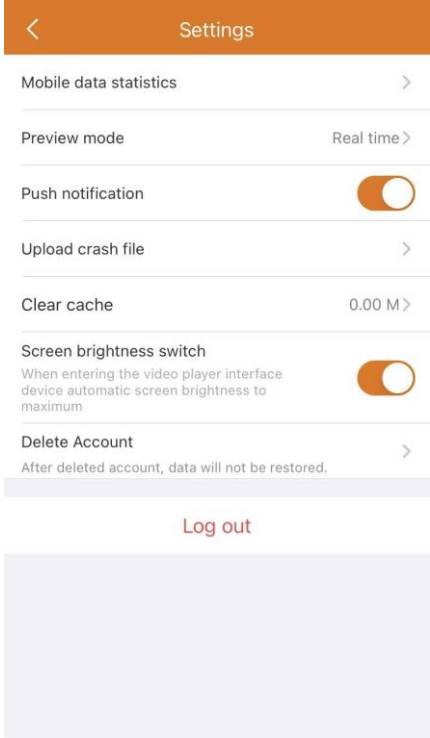

	
Playback Interface	Me

Me (personal area)

On this interface users can setup their account and App settings. See the picture above.

	Add email address, cellphone number to bind and be able to login with. Change the password of your account. Check your login log. Like shown in the picture below.
 System message	Personal push and announcement news. Here are system messages shown that will concern you personally or concern the whole system.
 Settings (order differs on iOS and Android)	<ul style="list-style-type: none">→ Enable/disable hard decoding (Android only)→ See the statistics of how much mobile traffic you have used.→ Select the preview mode between real time or fluency.→ Enable/disable Push notification→ Click to upload a crash file after the app has crashed→ Click to clear cache→ Enable/disable the auto. screen brightness→ Delete account permanently→ Log out from the current account
 Screenshot / Recording	Check screenshot / recording files See downloaded files here as well
 Share list	Devices that you share with other users are listed here.
 Help	Click here if you need some help with the installing of your camera.
 System authority settings	Check the permissions you gave the App and be able to change them.
 Company profile / About	See information about Technaxx like e.g. address

 Privacy policy	Check the privacy policy here.
 Version	Check APP version and shows current APP version

 <p>The screenshot shows the 'Settings' screen of an application. It features an orange header bar with a back arrow and the title 'Settings'. Below the header, there are several settings items, each with a right-pointing chevron: 'Mobile data statistics', 'Preview mode' (with 'Real time' text to its right), 'Push notification' (with a toggle switch), 'Upload crash file', 'Clear cache' (with '0.00 M' text to its right), 'Screen brightness switch' (with a toggle switch and a descriptive line of text below it), and 'Delete Account' (with a warning line of text below it). At the bottom of the list is a 'Log out' button in red text. Below the button is a large, empty light gray rectangular area.</p>	 <p>The screenshot shows the 'personal information' screen of an application. It features an orange header bar with a back arrow and the title 'personal information'. Below the header, there are two main sections: 'BASIC INFO' and 'ACCOUNT SECURITY'. The 'BASIC INFO' section includes fields for 'Account' (test1@technaxx.de), 'mailbox' (test1@technaxx.de), 'Cellphone number' (with a 'Bind >' button), and 'Wechat' (with a 'Bind >' button). The 'ACCOUNT SECURITY' section includes 'Change password' and 'Login log', both with right-pointing chevrons. Below these sections is a large, empty light gray rectangular area.</p>
Setup interface	Personal info (account) interface

The following chapter is based on Security Premium for Windows in version 2.0.7.11

PC Software Windows (& MAC)

Attention: It is not possible to configure the camera with the PC Software!

Info: The MAC version differs from the Windows version.

Installation

- Start the Security Premium.exe which you find under www.technaxx.de/support --> TX-189
- Double click on the Security Premium.exe to start the installation.
- Choose the language and click on OK.
- Agree to license agreement and click on I Agree.
- Choose the path the software is installed to or keep the suggestion and click on install.
- Wait until the installation is completed and click on Finish. The Software will start automatically.

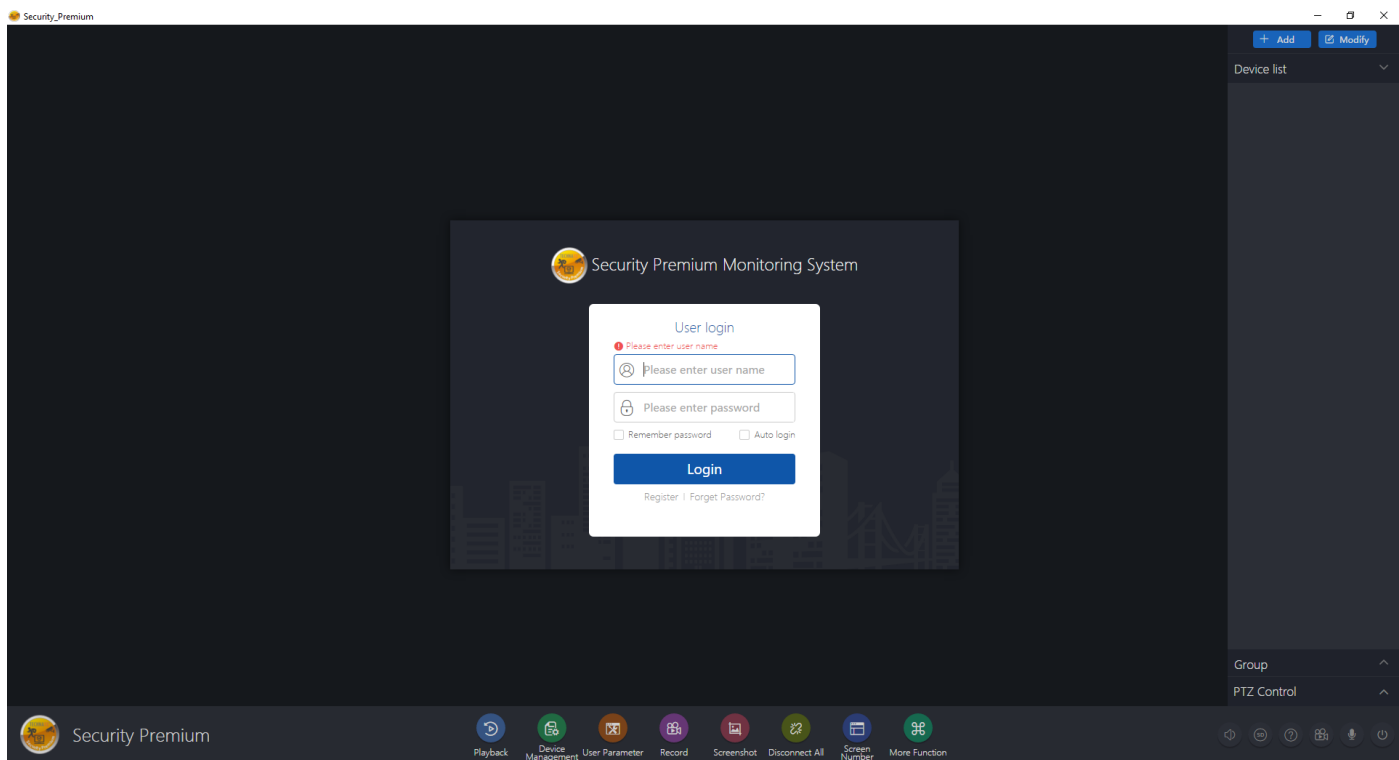
Important: Maybe windows firewall pop up will show up. Select private or public network depending on your home network. If you are not sure choose both. Click on Allow access before going on with the Setup guide.

Login and add device

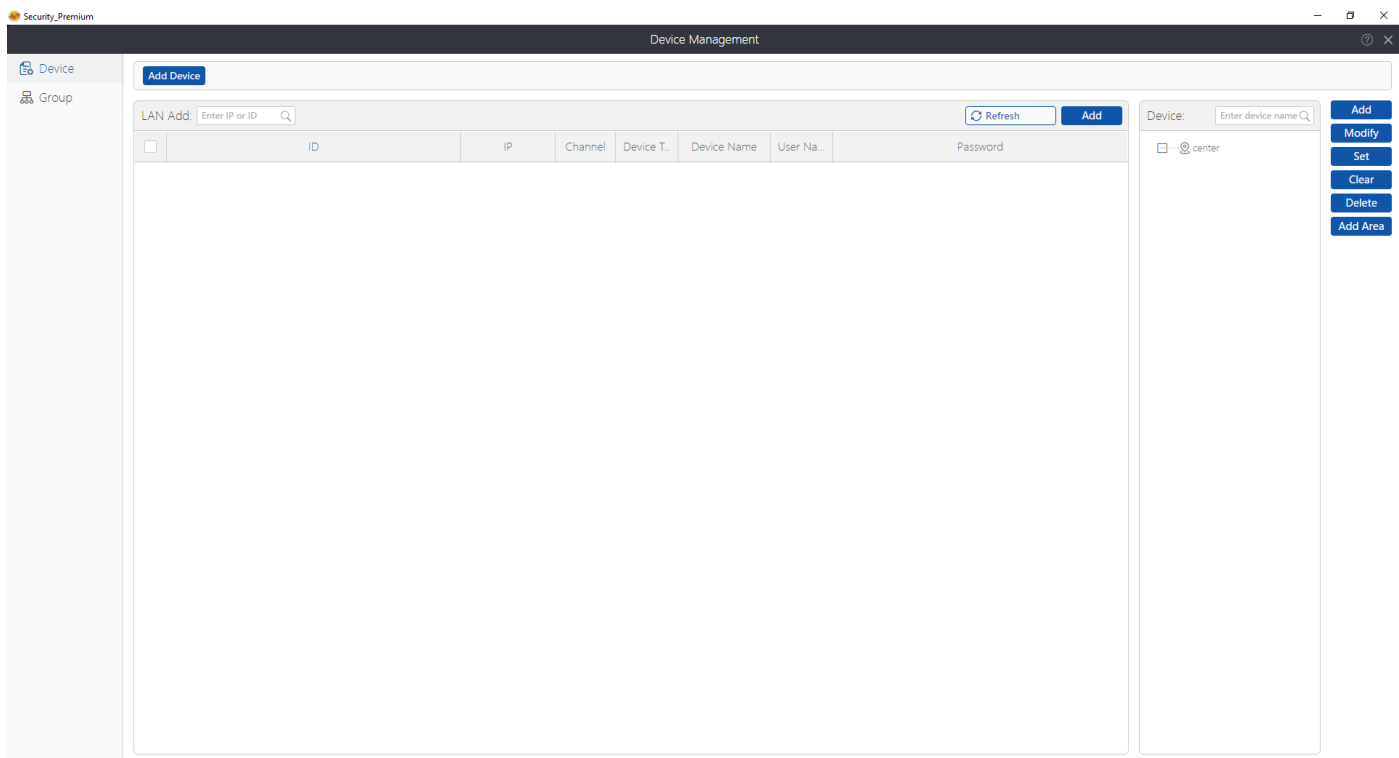
- The PC Software starts automatically. A login window will show up. Just click on Login to use Local login.
- If you want to login with your registered App account (Cloud login) enter the email address (phone number) and the password, that you created over the App.

Note: The advantage of cloud login is that all your added devices in your account are shown directly on the PC Software.

- If you choose the Local login, go to device management press on Add device and change to Cloud ID. Enter Cloud ID (Device ID on the device), User name (admin), password (specified camera password via App) and Device name (freely selectable). If you already added the device you will see it in the list on the right. Mark the added device by clicking on it and choose Edit.



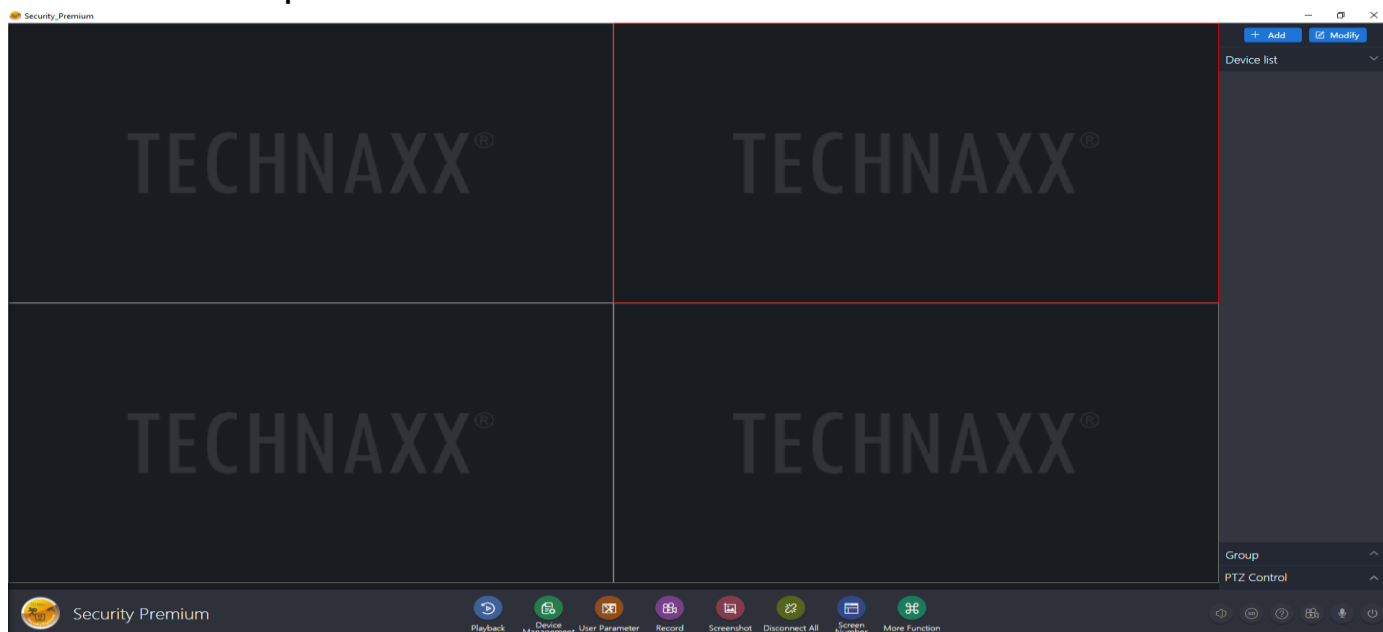
Login page



Device management page

Open live view

To open the live view choose the Live view menu. Select the camera you want to view from the list on the right and click play button on the device. The live view opens in the black window with the red frame.



Playback recordings

Click on playback and to open it. The software will ask to close all currently opened live views (when there are open ones). Accept to close so you can change to the playback interface. Click on the + in front of the camera on the right and select the channel. Now press on retrieval. After searching is successful it will show colored bars in the timeline. Those are the recorded files saved on the MicroSD card inserted to the camera.



Troubleshooting

Problem	Solution
The camera takes photos / videos without any target objects in them (false triggers)	<p><u>-The PIR/motion sensitivity is set too high:</u> First check the camera's PIR sensitivity level in the App.</p> <p><u>-Hot air:</u> The camera is triggered by detecting the movement of heat sources, so avoid mounting the camera near any equipment that emits hot air.</p> <p><u>-Reflecting light:</u> Light can trigger the camera, so avoid targeting the camera at anything that can reflect light (e.g. mirrors or moving bodies of water).</p> <p><u>-Rising/setting sun:</u> So as to avoid targeting the sun as it rises or sets, mount the camera to face north or south.</p> <p><u>Unstable mounting:</u> If the camera's mounting is not stable, then it may move and mistake this for the movement of objects in its field of view. When mounting the camera check that it is completely stable and avoid mounting it on anything that can move or shake, e.g. small/weak trees.</p> <p><u>Target objects moving too quickly:</u> In the case of fast-moving objects, e.g. animals, if the camera is positioned too close, or perpendicular to the target trail, there is a possibility that the trigger will not go off in time. a) Mount the camera further back from the trail b) Mount it at a 45° angle to the trail.</p> <p><u>Tree leaves/branches:</u> Grass swaying in the wind, falling leaves or falling/moving tree branches/twigs can reflect the sun's heat and potentially cause false triggers. a) Mount the camera away from such objects, preferably slightly higher up (around 2-2.5m from the ground) to avoid swaying grass b) Clear the target area as much as possible of twigs, leaves and branches.</p>
The camera is not capturing any videos	<p><u>-Camera is not in ON Mode:</u> First ensure that the Power Switch is set to ON.</p> <p><u>-Batteries have insufficient power:</u> Check the battery power bar directly on the APP. If the</p>

	<p>battery power is very low, replace/recharge the batteries.</p> <p><u>-MicroSD card is full:</u></p> <p>a) Upload the files saved on the MicroSD card to your computer, delete them from the card and re-use the same card, or:</p> <p>b) Put a new MicroSD card into the camera, or:</p> <p><u>-MicroSD card is corrupted:</u></p> <p>Due to physical damage, improper insertion/removal or viruses, MicroSD cards can become corrupted. If this happens, you will need to format/reformat the MicroSD card.</p>
Night vision range is limited	<p><u>-“Night Mode” is not set correctly:</u></p> <p>First ensure that “Night Mode” is set to “Automatic”.</p> <p><u>-Batteries have insufficient power:</u></p> <p>Check the battery power bar directly on the APP. If the battery power is very low, replace/recharge the batteries.</p> <p><u>-Nearby light source:</u></p> <p>If there is a significantly bright light source near the camera it may interfere with the functioning of the camera’s night vision.</p> <p>Avoid placing your camera near a bright light source.</p> <p><u>-Target area is too open:</u></p> <p>The camera’s night vision works via infrared light that is emitted and reflected back off the objects in the target area, then captured by the camera’s image sensor. Therefore, if the target area is too open, i.e. with very few objects to reflect the IR light, then the night vision image will appear very dark.</p> <p>For night vision purposes, target the camera at an area that contains objects, e.g. trees, bushes, walls, etc.</p>
Device is offline	<p>Check if the SIM card is inserted correctly.</p> <p>Check if the SIM card is activated and has enough data flow left.</p> <p>Check the battery and charge with power adapter.</p>
No preview	The server may be congested, try restarting the app.
No push notification	<p>Make sure the app has notification permissions.</p> <p>Confirm that the alarm message push switch is turned on in the App settings.</p>

	Confirm that the alarm message push switch is turned on in the camera settings.
No recording	<p>Insert SD card before booting.</p> <p>Make sure the camera PIR (monitoring) switch is turned on.</p> <p>Make sure the camera recording switch is turned on.</p> <p>Check whether the SD card status is normal in the App.</p> <p>If it is abnormal, try to format the SD card.</p>

FAQs

Q1: Why does the battery run out quickly?

A1.1: The App will count the daily recording time when playback video. Check if there are more videos every day. If there are many false triggers, try to lower the trigger sensitivity setting.

A1.2: Check if the 4G signal is weak. You can try to adjust the position of the antenna or camera to improve the signal transmission.

Q2: What should I do if I forget my password?

A2: If you have forgotten the login password of the App account, please reset the password through the "Forgot Password" option in the login interface as instructed.

The device's access password is set after the device is added or modified by the App, and the App remembers it. Subsequent access does not need to be re-entered.

Q3: Why it reports "memory card fault" when insert the MicroSD card?

A3.1: The device only supports the FAT32 file system and storage should not be above 256GB. Confirm the file system type and whether the MicroSD card capacity is beyond the normal use scope.

A3.2: The MicroSD card appears some damage, the device couldn't read and write as usual, which needs to reformat by computer before using. Format 64-256GB on PC to exFAT if possible.

Q4: Why the playback is intermittent?

A4: Due to the limited use life of the MicroSD cards, the continuous video will largely reduce the MicroSD card life, when the device detects the moving images, the intermittent condition could save storage space and prolong the MicroSD card life.

Q5: Why is the status of my camera offline?

A5.1: Check if the device is still running on battery or if you need to charge it.

A5.2: Check if the solar panel is connected correctly and if it is optimal aligned with the sun.

A5.3: Check if the SIM card has no SIM PIN. If the SIM card still has a SIM PIN remove it.

A5.4: The APN may not have been recognized correctly. Store this manual via the Security Premium APP under Account -> Configure APN. Fill in the relevant information and follow the instructions in the app.

Technical Specifications

Camera

Image sensor	4MP 1/3" CMOS
Lens	f=4.4mm
Camera viewing angle	horizontal: 100°/ vertical: 62°
Day & Night	IR-cut double filter automatic switching
Minimum illumination	0.1 Lux @ (F2.0, AGC ON), 0.01 Lux with 8x IR LED
Video resolution	HD (2560x1440), Smooth (640x360)
Video frame rate	15fps
Video file format	.TS
Video compression	H.264/H.265
Audio source	Passive microphone
Audio compression Standard	G711A/AAC-8K16bits
Audio compression code stream	Streaming self-adaptive
Speaker	8Ω 2W
Network interface	4G 5dBi antenna
4G frequency band	LTE FDD: B1/B3/B5/B7/B8/B20/B28
	LTE TDD: B38/B40/B41
	GSM: B1/B3 (850/900/1800/1900MHz)
Radiated output power max.	Class 4 GSM850/900: 33±2dBm Class 1 GSM1800/1900: 30±2dBm Class 3 LTE TDD: 23±2.7dBm Class 3 LTE FDD: 23±2.7dBm
Storage	Supports MicroSD(HC/XC) cards up to 256GB (FAT32/ exFAT) (class10)
File size	Night; B/W: 3-5MB/min (32GB = 4,5 days continuous ¹ recording) Day; colour: 5-7MB/min (32GB = 3,5 days continuous ¹ recording)

IR distance	~15m, $\lambda=940\text{nm}$
PIR Motion detection	Distance: ~12m (open space) / Angle: 120°
PIR trigger time	0.4s
Power consumption	Normal mode $\leq 3\text{W}$ / Sleep mode $\leq 0.3\text{W}$
External charger	DC port: 5V / 2.5A (not included)
	Solar Panel (included)
Battery	4x type 21700 Lithium-Ion batteries 3.7V, 4500mAh each battery
Working time	Up to 21days (or up to 40h of continuous ¹ recording - mixed day & night) depending on the usage and motion triggers
Standby time	Up to 28days (no usage, no triggers) with 4 batteries
Charging time	Up to 12h (using 4x batteries and a USB Power adapter with DC5V/2.5A)
Working condition	-20 - 50°C; RH Less than 95% (No condensation)
Protection class	IP66
App "Security Premium"	iOS 13.0 or above; Android 10.0 or above / EN, DE, FR, ES, IT, NL, SE, DK, NO, FI, CZ, PL (11-2022)
Weight	With batteries 595g / without batteries 319g
Dimension	(L with antenna) 28.4cm (L without antenna) 12.4 (W)x 11.8 x (H) 7.1cm
Package contents	4G Wildcam TX-189, 1x Solar panel, 1x USB power cable (1m), 1x Antenna, 3x Screws & Dowels, 2x Bracket, 1x Mounting belt, 4x Battery type 21700, User Manual (short)

¹continuous = the needed storage was calculated by continuous recording. Because it is hard to estimate the individual triggers of motion and the resulting storage need.

Solar panel

P_{max}	5W
Tolerance	$\pm 5\%$
V_{max}	5V
I_{max}	1A
Cable length	3m
Connector	Plug 3.5x1.35mm
Protection class	IP66

Working temperature	-20°C - 50°C
Weight with bracket / Dimension	310g / (L)18.4 x (W)16.8 x (H)1.4cm

Support

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**

The support hotline is available Mon-Fri from 9am to 1pm & 2pm to 5pm

Care and maintenance

Clean the device only with a dry or slightly damp, lint-free cloth.

Do not use abrasive cleaners to clean the device.

This device is a high-precision optical instrument, so in order to avoid damage, please avoid the following practice:

- Use the device in ultra-high or ultra-low temperature.
- Keep it or use it in moist environment for long.
- Use it in rainfalls or in water.
- Deliver or use it in strongly shocking environment.

Declaration of Conformity



The EU Declaration of Conformity can be requested at the following address: www.technaxx.de/ (in the lower bar "Declaration of Conformity").

Disposal



Disposal of the packaging. Sort packaging materials by type upon disposal.

Dispose of cardboard and paperboard in the waste paper. Foils should be submitted for recyclables collection.



Disposing of old equipment (Applies in the European Union and other European countries with separate collection (collection of recyclable materials) Old equipment must not be disposed of with household waste! Every consumer is required by law to dispose of old devices that can no longer be used separately from household waste, e.g. at a collection point in his or her municipality or district. This ensures that the old devices are properly recycled and that negative effects on the environment

are avoided. For this reason, electrical devices are marked with the symbol shown here.



Batteries and rechargeable batteries must not be disposed of in household waste! As a consumer, you are required by law to dispose of all batteries and rechargeable batteries, whether they contain harmful substances* or not, at a collection point in your community/city or with a retailer, to ensure that the batteries can be disposed of in an environmentally friendly manner. * marked with: Cd = cadmium, Hg = mercury, Pb = lead. Return your product to your collection point with the fully discharged battery installed inside!

Made in China

Distributed by:
Technaxx Deutschland GmbH & Co. KG
Konrad-Zuse-Ring 16-18,
61137 Schöneck, Germany

4G Wildcam TX-189

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