

# Technaxx® \* User Manual Easy IP-Cam HD wireless TX-55


## Security Camera HD powered by batteries for indoor and outdoor use

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 **R&TTE 2014/53/EU**. The Declaration of Conformity you find here: [www.technaxx.de/](http://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](mailto:support@technaxx.de)

**If you drill a hole in the wall**, please make sure that power cables, electrical cords and/or pipelines are not damaged. When using the supplied mounting material, we do not take the liability for a professional installation. You are entirely responsible to ensure that the mounting material is suitable for the particular masonry, and that the installation is done properly. When working at higher altitudes, there is danger of falling! Therefore, use suitable safeguards.

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# 1. Features

- Ideal for monitoring indoor & outdoor locations, like rooms, garage, garden & areas difficult to view
- No power connection required, working with batteries
- Standby time ~3–5 months (with 1–3 events/day)
- Push notification via the APP when motion is detected
- Video resolution HD 1280x720 (720P) @ 30fps max.
- 1MP CMOS image sensor
- IR LED for clear night shots
- Motion detection: PIR-Sensor ~5–6m, triggering time ~1–1.5 sec.
- Easy to attach via magnet, 3M adhesive stripe or screws
- Easy setup by QR code scanning at iOS & Android device
- Free iOS & Android APP for live monitoring playback
- Built-in microphone for audio recordings
- IPX4 protection class (splashproof)



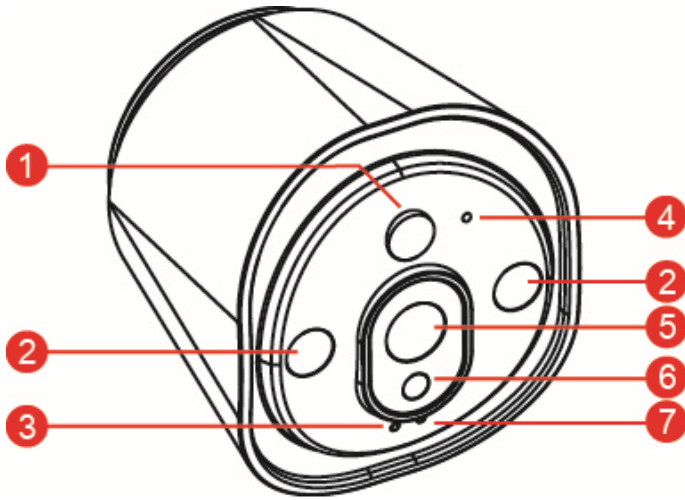
# 2. Technical specifications

|                                           |                                                                                                                                                  |  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Video resolution                          | HD 1280x720 (720P) @ 30fps max. for video and event recordings                                                                                   |  |
| Image sensor                              | 1/4" CMOS OV9712, 1 megapixel                                                                                                                    |  |
| Lens                                      | F/NO=2.4, f=2.45mm, 120° viewing angle, fixed focus                                                                                              |  |
| Depth of field                            | ~50cm to infinity                                                                                                                                |  |
| White balance / Exposure                  | Automatically                                                                                                                                    |  |
| WiFi / connection distance                | Built-in WiFi module IEEE 802.11b/g/n, ~20–30m distance                                                                                          |  |
| Audio encoder / Input                     | AAC & AC3 mono / sample rate 48K & built-in microphone                                                                                           |  |
| Video encoder / File format               | H.264 / MP4                                                                                                                                      |  |
| Picture resolution / Format               | 1280x800 / JPG                                                                                                                                   |  |
| Night vision                              | High power IR LED lights with removable IR filter                                                                                                |  |
| PIR detection range / PIR triggering time | ~5–6m / ~1–1.5 seconds                                                                                                                           |  |
| Storage                                   | MicroSD card* up to 32GB (*not included)                                                                                                         |  |
| Power                                     | 4x CR123A batteries** (**included)                                                                                                               |  |
| Weight / Dimensions                       | 150.5g (without batteries)<br>(L) 11.2 x (W) 6.5 x (H) 7.4cm (with stand)                                                                        |  |
| Package Contents                          | Easy IP-Cam HD wireless TX-55, Camera chassis, 4x screws & 3M adhesive stripe, Powerful magnet with iron plate, 4x CR123A batteries, User Manual |  |

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

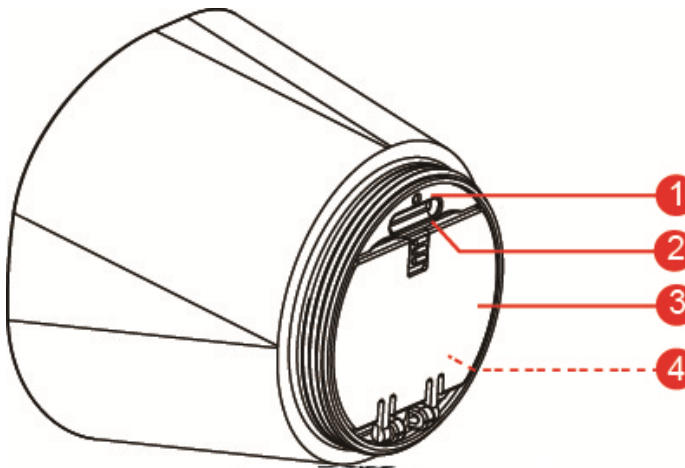
### 3. Product View

#### 3.1 Front



|   |              |
|---|--------------|
| 1 | PIR Sensor   |
| 2 | IR LED's     |
| 3 | Status LED   |
| 4 | Microphone   |
| 5 | Lens         |
| 6 | Light Sensor |
| 7 | Ready LED    |

#### 3.2 Rear



|   |                     |
|---|---------------------|
| 1 | Reset Button        |
| 2 | MicroSD Slot        |
| 3 | Battery Door        |
| 4 | Battery Compartment |

### 4. Setup Device

TX-55 has a built-in WiFi network and can connect to your WiFi router directly. Therefore, for the first time of TX-55 use, you need to set up the WiFi network and assign to an available network (WiFi router) which is linked to the internet.

#### 4.1 Install Device

To open the battery compartment turn right the magnet chassis of the camera, open the battery compartment and insert the included batteries. Make sure the battery polarities match the (+ and -) sign indicated in the battery compartment. Close the battery cover and the camera auto powers on. The RED Led of the camera is flashing slowly for about 3 seconds and turns off. After that the BLUE Led starts flashing slowly. Now the camera is in Access Point Mode (AP Mode).

## 4.2 Install Easy IP Battery APP

Search and find the Easy IP Battery APP from the APP Store for iOS or the Google Play Store for Android.

Then install it in your mobile device.


Press the Easy IP Battery icon to start it.

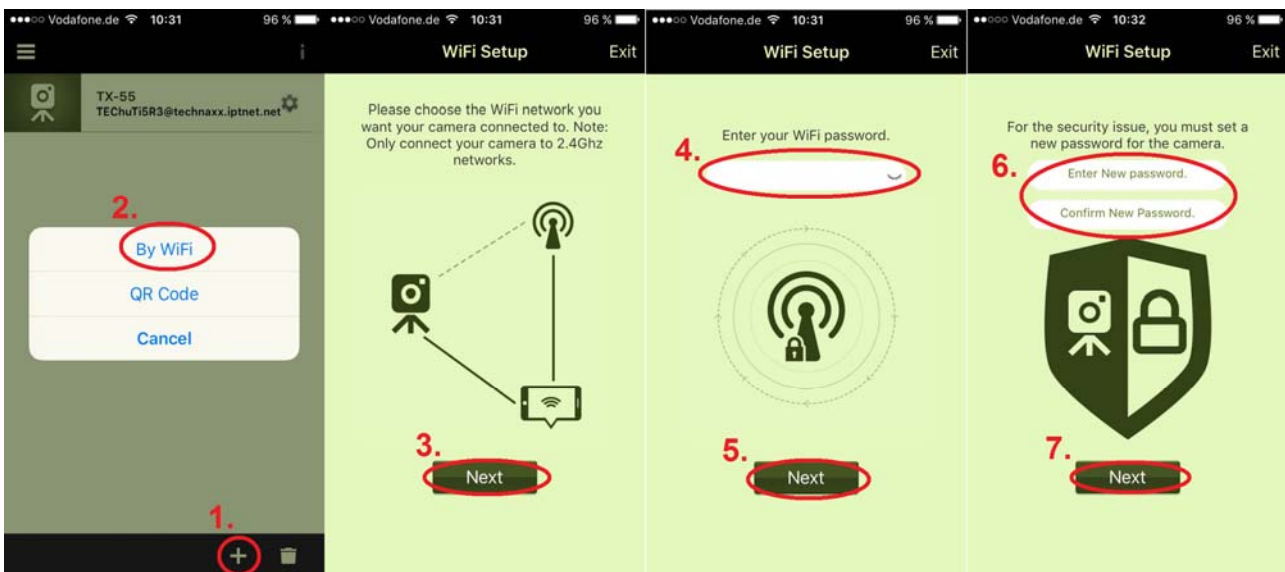



## 4.3 Add Camera from AP Mode

In the AP Mode, the Ready LED is flashing slowly in BLUE and the WiFi function is active.

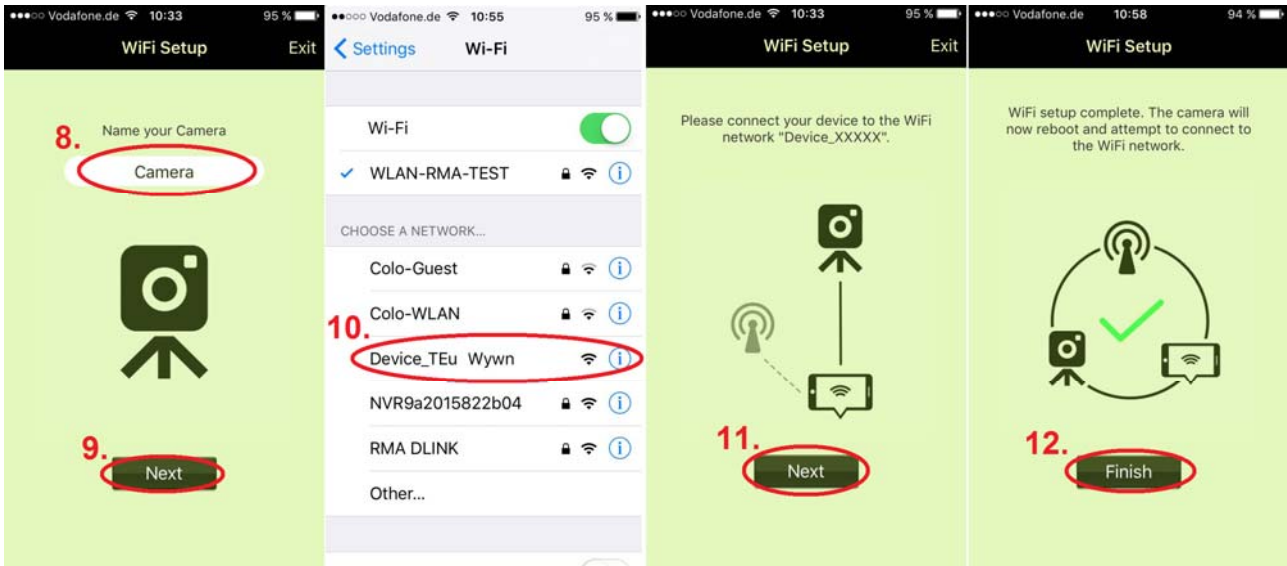
### iOS configuration steps:

1. Press the add camera icon  from the APP to add camera.
2. Press WiFi Setup.
3. Press “Next”.
4. Enter the WiFi password of the router your Smartphone is connected to.
5. Press “Next”
6. Enter a new camera password (for safety use a password with min. 6 characters)
7. Press “Next”



8. Enter camera name. (Camera name can be customized like office, hall, garden, etc.)
9. Press “Next”
10. Press the **Home** button and go to the **WiFi** settings of the iPhone. Then select and connect with "**Device\_#####**", no need to enter password. Wait around 60 sec. and make sure you see  appear. Press **Home** button again and go back to **Easy IP Battery APP**.

- Press “Next” the device will be configured. After the TX-55 is set up, press “Finish” to complete. The Ready LED turns off and reboots the camera. Status LED flashing in Red within 10 sec. Then both the Ready and Status LED are on. If the configuration couldn’t finish press “Retry” or start the configuration again. The camera is ready for monitoring from your mobile device when camera is online.



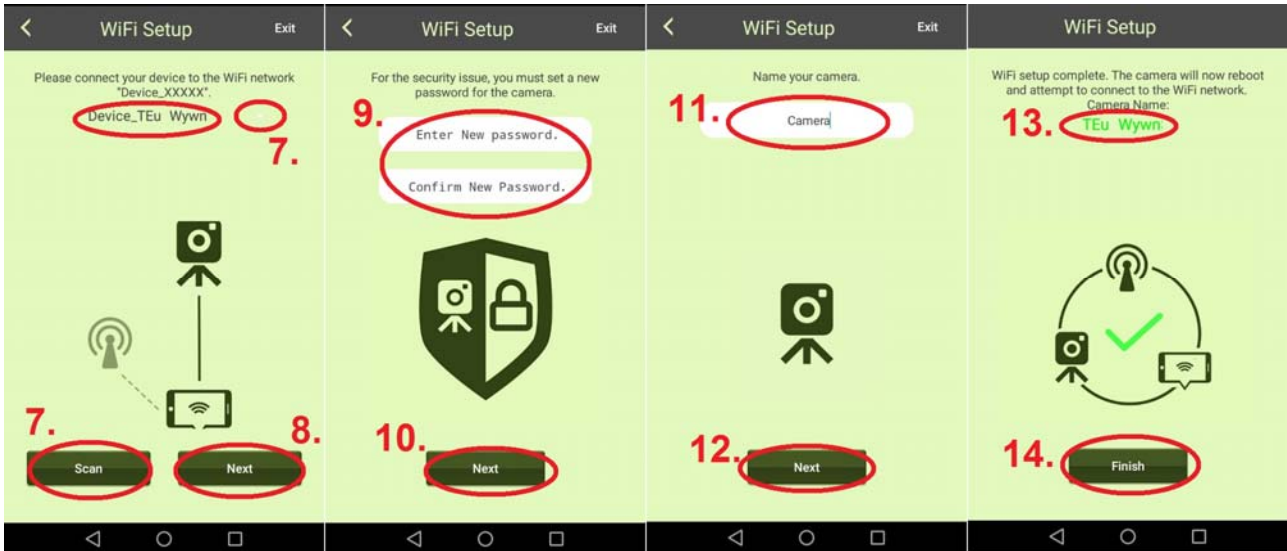
- Press “Finish”

**Android configuration steps:**

- Press the Add Camera icon **+** from the APP to add camera.
- Press the WiFi Setup.
- Select the WiFi network. Press scan to find different WiFi network in your surroundings. Default WiFi network is set as the network your Smartphone is connected with.
- Press “Next”.
- Enter the WiFi password of the router. You have selected.
- Press “Next”



7. The camera that should be connected will be found automatically. If you have more than one camera in your network you can select the device from the menu next to the device name or scan for devices with the button “Scan”.
8. Press “Next”
9. Enter a new camera password. (For safety use a password with minimum of 6 character)
10. Press “Next”



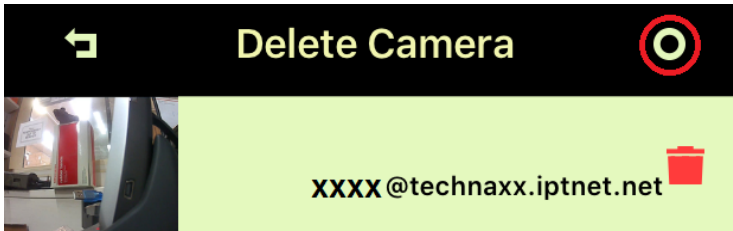
11. Enter camera name. (Camera name can be customized like office, hall, garden, etc.)
12. Press “Next”
13. Shows the device name that is going to be configured.
14. Press “Finish” the device will be configured. After the TX-55 is set up the Ready LED turns off and reboots the camera. Status LED flashing in Red within 10 sec. Then both the Ready and Status LED are on. If the configuration couldn't finished press “Retry” or start the configuration again. The camera is ready for monitoring from your mobile device when camera is online.

**Note:**

1. If the assigned WiFi network of the camera has changed, the camera must use the AP Mode to set the new assigned WiFi network again.
2. Make sure the assigned WiFi has enough bandwidth otherwise the camera is hard to reach or needs longer waiting time to access the internet.

#### 4.4 Delete Camera (🗑️ Delete)

Press the Delete Camera icon 🗑️ to delete camera. Select the camera to delete & press the 🎯 button.



#### 4.5 Resetting the device

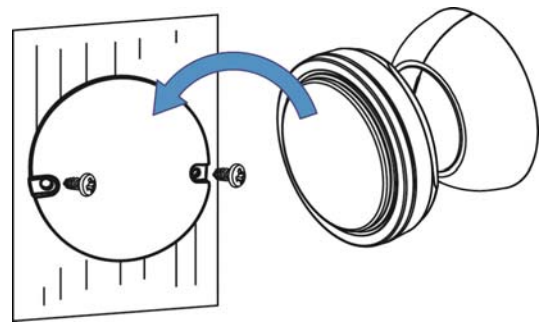
Push the Reset Button (~t 5 seconds and release it) to restore the default setting of camera in AP Mode. See chapter 3.2 for position of the Reset Button.

#### 4.6 MicroSD card and camera positioning

To insert a MicroSD card up to 32GB into the MicroSD slot turn right the magnet chassis of the camera. Put the magnet chassis back on.

#### 4.7 Mounting

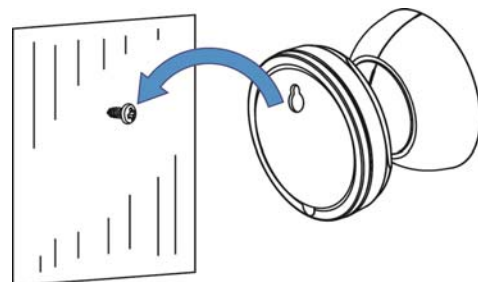
**To mount the camera with the magnet on the metal base plate** which can be installed by drilling two holes and two screws on the wall. Also the camera can be mounted with its magnet mounting stand directly on a metal surface. Adjust the camera up or down to the applicable angle.



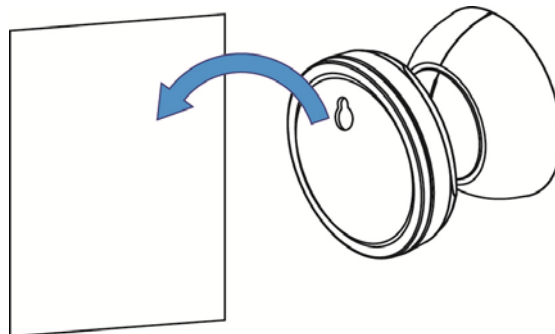
Metal plate for mounting    Magnet on camera stand

#### **Mounting place is not the iron and unsmooth (like Wood):**

Screw a supplied screw in the surface and retain a enough space out to hang the camera chassis. Hang the screw hole of the camera chassis on the screw.



**For mounting with the 3M adhesive** first clean the magnet and the place you want to mount the camera with nail polish remover or alcohol. (**Warning!** Cleaning with alcohol or nail polish remover may damage the surface you are using.) Glue the 3M adhesive first to the magnet surface of the camera stand. The surface should be flat to maximize the surface between 3M adhesive and the surface of the mounting area. Adjust the camera up or down to the applicable angle.



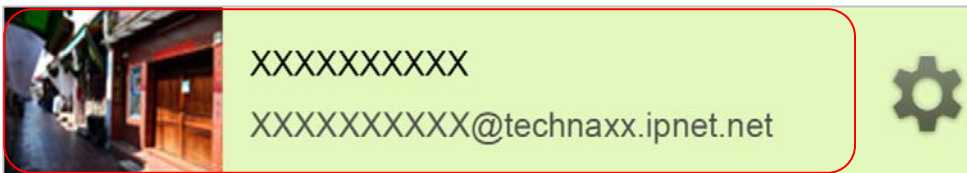
3M adhesive for the mounting stand of the camera

**Note:** Press and hold for 60 seconds to allow adhesive to bond to the surface. Bond strength will increase through time. At room temperature, wait for at least 24 hours to achieve 90% bonding strength, and 72 hours for 100% bonding strength.

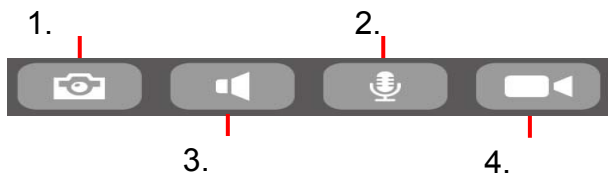
## 5. Monitor Easy IP Battery Camera

### 5.1 Monitor Camera

Press the camera thumbnail to monitor live view image.



In the Live View screen, are 4 function buttons on the top left of the screen.



|    |                                                 |    |                                                                                                                |
|----|-------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------|
| 1. | Snapshot: Get an instant picture                | 3. | Microphone: Voice transmission via the microphone of the mobile device and the built-in speaker of the camera. |
| 2. | Mute: Turn off the speaker of the mobile device | 4. | Record: Record an instant video clip                                                                           |



**Note:** 1. The Snapshot picture save in the mobile device under "local\internal storage\DCIM\Technaxx\TEdeviceID@technaxx.iptnet.net\Snapshot" for Android. (iOS will save under local media in the Easy IP Battery APP. From there you can download the snapshot to your device.)

2. The record video clip save in the mobile device under "local\internal storage\DCIM\Technaxx\TEdeviceID @technaxx.iptnet.net\Recording" for Android. (iOS will save under local media in the Easy IP Battery APP. From there you can download the record to your device.)

## 5.2 Monitor Event Detection

The camera has built-in a PIR Sensor (Passive Infrared Sensor) which can detect the infrared signal emitting from a moving object like human or maybe animal. The camera will auto record a 20 seconds (default) video clip when the PIR Sensor has detected a moving object. The Ready and Status LEDs light during the event video record and save file. The camera will send an instant message to all your mobile devices which are running the Easy IP Battery and the triggered device is connected to.

### **Note:**

1. Video file saves in the micro SD card of the Smart Cloud Camera under "X:\DCIM\MOT\_VIDEO" folder. Make sure the MicroSD card has inserted in the MicroSD card slot and has enough space to save video files.


2. Indicators of the camera turn-off in the monitor mode.

3. The Ready LED will flash fast when the battery power is very low. Replace 4 brand new, same brand and model batteries at same time ASAP.

4. The video resolution is 720p (1280x720) and the file name format is: **xxxxxxxxxx.MP4**.

5. The feature of built-in sensor and PIR sensor are not designed to be used for surveillance or security. No responsibility will be taken by our company with take the consequences resulting from to use these features.

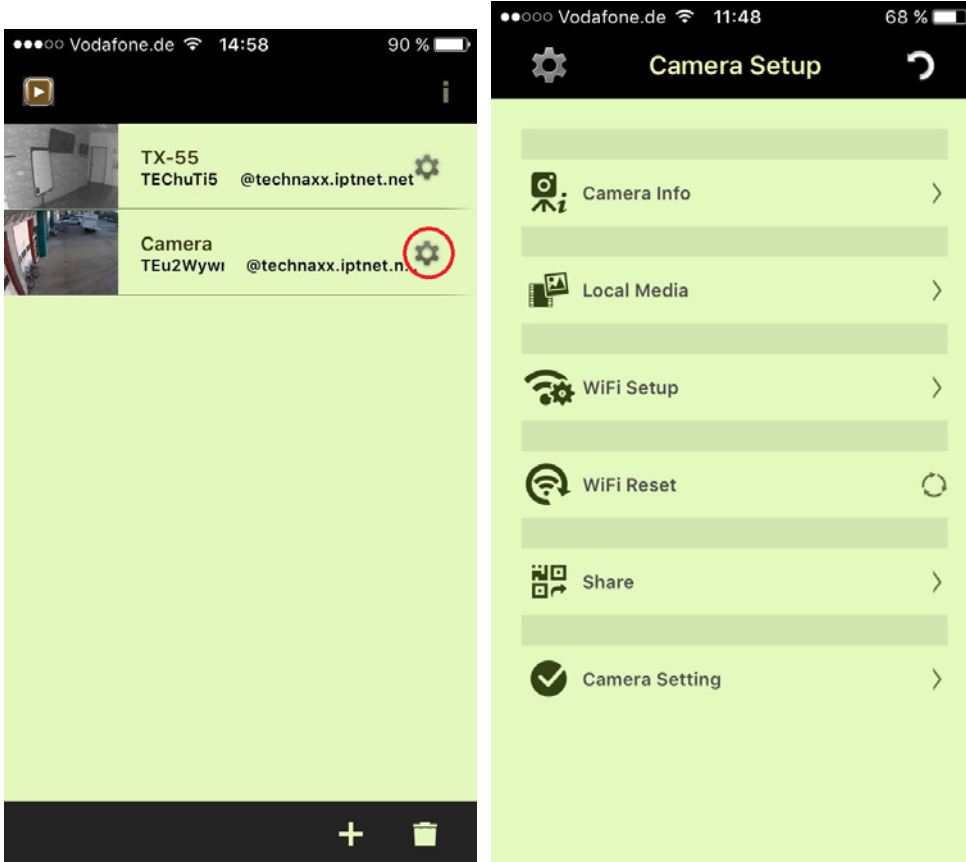
## 5.3 Event record list (Camera Record Management)

One click on the shortcut  on the main page, you directly get to Camera Record Management. You can view the from PIR sensor triggered videos here, which are stored on the MicroSD card of the camera.

## 6. Settings

### 6.1 Camera Setup

At the main page press the button  and change to the next page.



**Camera Info:** Here you can change the Camera Name. The Camera ID is unchanged. Firmware update is also possible.

**Local Media:** Images and Clips that were taken manually are saved here.



**WiFi Setup:** Configure the WiFi setup for your camera and select the WiFi network you want to connect your camera with.




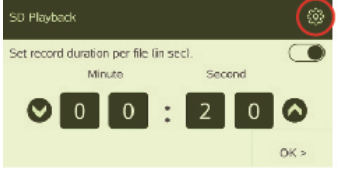

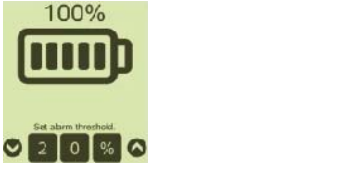


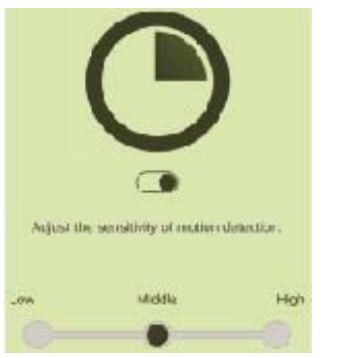

**WiFi Reset:** The WiFi connection will be disconnected. You have to go to WiFi Setup and include the camera to a WiFi network again.





**Share:** You can share the camera to your family or friends. These users have only a restricted right. Press on this “Share” to open QR-Code ready. Open the APP on your friends Smartphone and add the camera by scanning scan. The device is added!

The shared user has only the following restricted rights: Camera Info, Local Media and Camera Clips. The user who configured the camera is the main user and has all rights for the settings.

## 6.2 Camera setting

At the main page press the button  and change to the next page, Camera Setup. Press the  **Camera Setting** option to open the Camera Setting page. See the functions below.

|                                                                                                                    |                                                                                     |                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Camera Storage Management</p>  |    | <p>Check the capacity of the MicroSD Card inserted in the camera.</p>                                                                                                                                                                                                                                     |
| <p>Camera Record Management</p>   |    | <p>View the event record list &amp; change the recording time per event (default 20 seconds). If turned OFF, no event video can be recorded. But the camera will still send out a push notification. (Pressing on an incoming push notification will get you directly to the live view of the device)</p> |
| <p>Battery Life</p>             |  | <p>Shows the rest of the battery life to know &amp; to change the battery before the camera goes off.</p>                                                                                                                                                                                                 |
| <p>IR</p>                       |                                                                                     | <p>Turn ON/OFF infrared LED's.</p>                                                                                                                                                                                                                                                                        |
| <p>Motion</p>                   |  | <p>Adjust the sensitivity of the PIR sensor for motion detection. Turn on this function, you have 3 options: Low =&gt; every motion is being detected and recorded, Middle =&gt; some objects are detected, High =&gt; big objects are detected.</p>                                                      |
| <p>Flip &amp; Mirror</p>        |                                                                                     | <p>Flip and mirror the live view image to match the mount position of the camera.</p>                                                                                                                                                                                                                     |

|                                                                                                                      |                                                                                   |                                                                            |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <p><b>Time zone</b></p>             |  | <p>Adjust the time zone to match your country of location.</p>             |
| <p><b>Power Line Frequency</b></p>  |  | <p>Adjust the power line frequency of match the local PAL/NTSC system.</p> |

## 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 place any object on the device.
- Do not disassemble the device.
- Battery Warnings: Use battery properly to avoid fire, explosion and other dangers. Replace used battery with battery of the same type. Do not use power line other than the one specified. Otherwise, it may cause fire or electric shock.

### Important Hint regarding the user manuals:

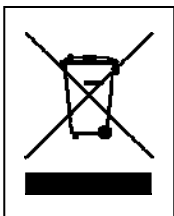
**All languages of the user manual are on the CD enclosed.**

The english and german version of the user manual is also as printed version enclosed.

**Warranty 2 years**



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



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

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