

# Technaxx® \* User Manual

## HD Outdoor Camera with LED Lamp TX-106

The Declaration of Conformity for this device is under the Internet link: [www.technaxx.de/](http://www.technaxx.de/) (in bottom bar “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. Also ensure that the mounting place is strong enough to hold this heavy device. When working at higher altitudes, there is danger of falling! Therefore, use suitable safeguards.

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.

**Warranty 2 years**

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

### Features

- Multi functional: video recording with sound, photo, light
- PIR motion detection of 60° angle up to ~7m (open areas)
- PIR trigger time 1–1.5 seconds
- Light in high brightness of 150 lumen (2W) up to ~8m distance (open areas) & luminous time ~20 seconds
- Alarm at low battery by LED indicator light
- Stand alone device powered by batteries
- Wall mounting (360° rotation, 180° up/down)
- Many other mounting possibilities e.g. in the garden with the ground mounting holder
- Protection class IP65 (dust & waterproof)

## Technical specifications

Image sensor	1/4" CMOS 2MP
Video format / Video file	720p, 25fps / MP4
Photo format / Photo file	1280x720 Pixel / JPEG
Camera lens	F=2.0, FOV 92° horizontal / 92° vertical
PIR	max. distance ~7m / angle 60° / trigger time 1–1.5 sec.
Light	distance ~8m / power 2W, 150 lumen (20W incandescent bulb) / Colour: 6000–6500 Kelvin
Storage	MicroSD* card up to 32GB (Class10) [*not included]
Power supply	4x D-cell alkaline batteries* 1.5V [*not included, not rechargeable]
Ø duration battery life	Video mode 20x at night ~2.5 month Photo mode 20x at night ~7 month Light mode 20x at night ~2 month
Low battery	4.5V (LED is blinking in red)
Operation temperature	-10°C up to +40°C
Weight / Dimensions	400g / (L) 19.5 x (W) 15.0 (H) 10.5 cm
Package Contents	HD Outdoor camera with LED lamp TX-106, 1x Ground mounting holder, 3x Screws with dowels, User Manual
<p><b>Note: These parts are needed to operate but are not included.</b>            4x D-Alkaline batteries, 1x MicroSD card (Class10) up to 32GB (FAT32 formatted), MicroSD card reader or other device to download media from MicroSD card to PC, PC to set time and date (use "time.txt file") → watch the recorded video and photo files).</p>	

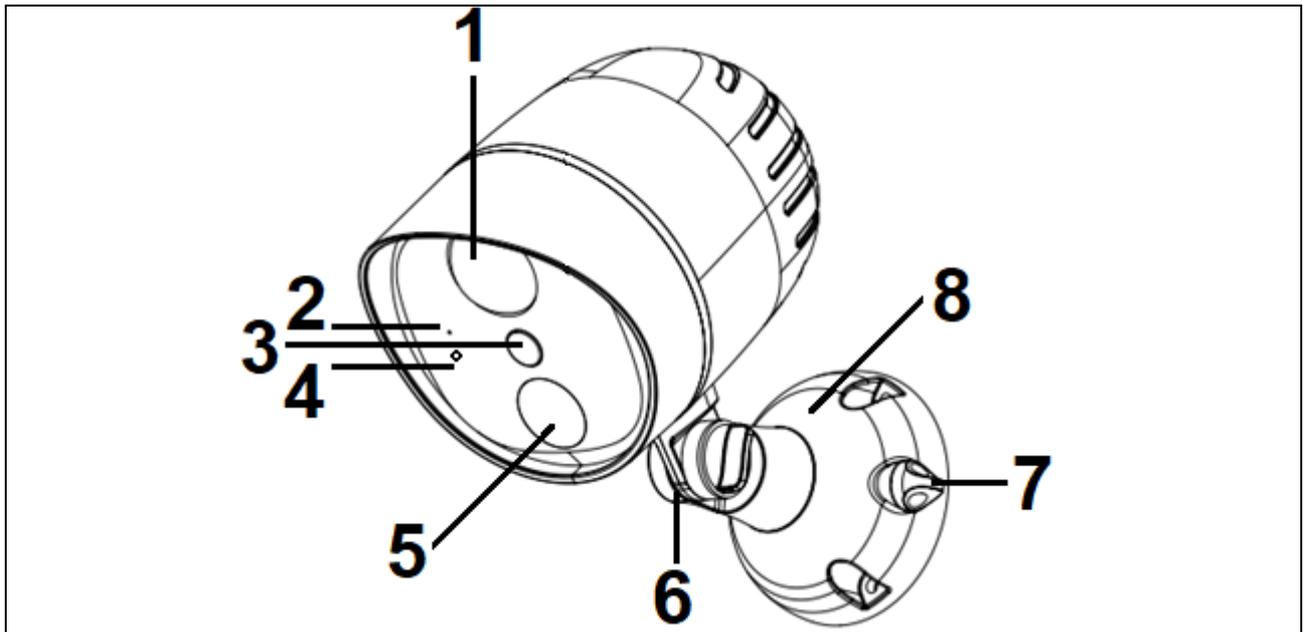


**Security and Disposal Hints for Batteries:** Hold children off batteries. When a child swallowed a battery go to a doctors place or bring the child into a hospital promptly! Look for the right polarity (+) and (-) of batteries! Always change all batteries. Never use old and new batteries or batteries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



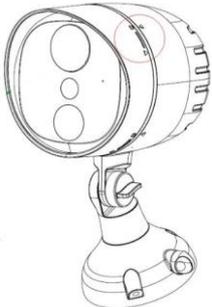
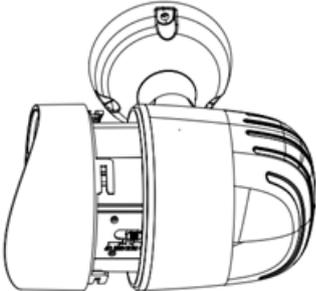
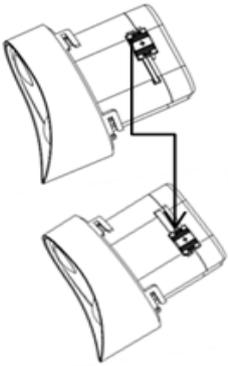
**Hints for Environment Protection:** Packages materials are raw materials and can be recycled. Do not disposal old devices or batteries into the domestic waste. **Cleaning:** Protect the device from contamination and pollution (use a clean drapery). Avoid using rough, coarse-grained materials or solvents/aggressive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

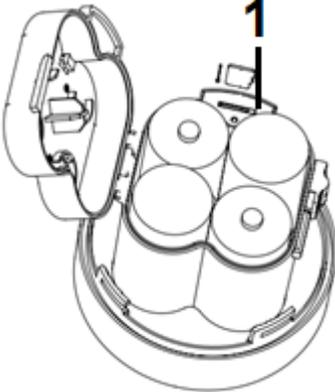
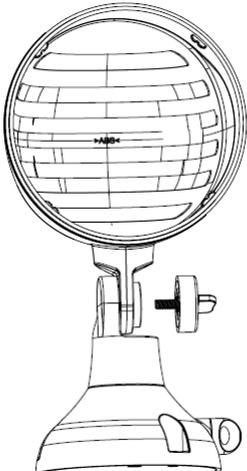
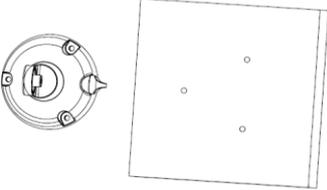
## Product overview

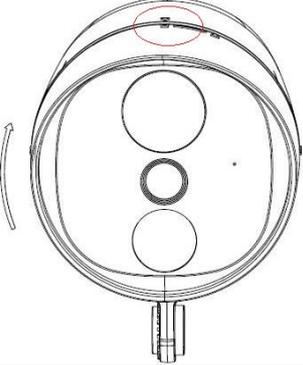
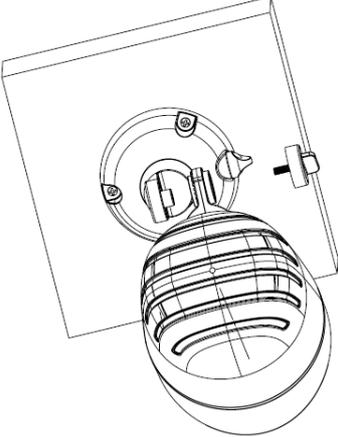
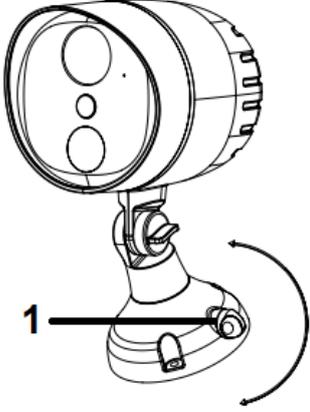
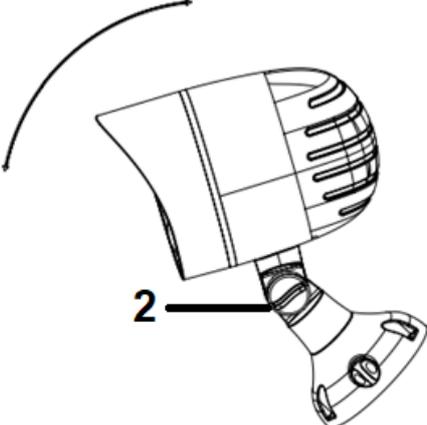


1	PIR (motion detection)	5	LED light
2	Microphone	6	Angle adjustment
3	Camera	7	Mounting base thumb
4	Status LED (red / green)	8	Mounting base

## How to use the camera

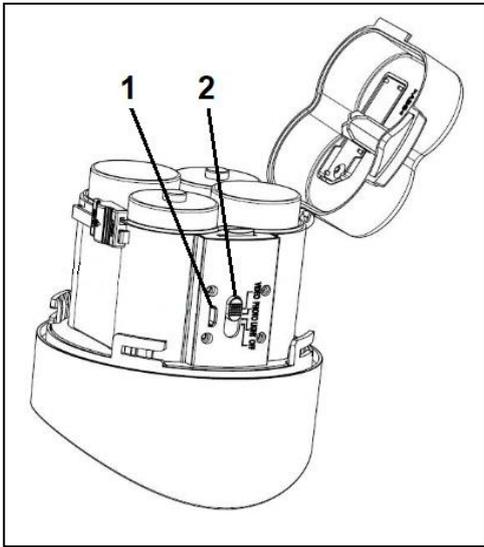
<p><b>A.1</b></p>  <p><b>A.2</b></p> 	<p>Remove the front cover by rotating counter-clockwise</p> <p>→ picture A.1 and A.2.</p>
<p><b>B.1</b></p>  <p><b>B.2</b></p> 	<p>Open the lock → picture B.1.</p> <p>Insert 4D-Cell batteries → picture B.2.</p> <p><b>Note:</b> Install batteries with polarity in correct position.</p>

<p><b>C.</b></p>  <p>1 = MicroSD card slot</p>	<p>Insert a MicroSD card into the MicroSD card slot (C.1) → close the battery compartment and then the lock. → slide the switch to your desired setting (Video / Photo / Light / Off → see chapter Mode Settings)</p> <p>Correct the time, see chapter “How to set time and date”.</p>
<p><b>D.1</b></p> 	<p>By removing the screw 2, you can remove the head from the mounting base for angle adjustments.</p>
<p><b>D.2</b></p> 	<p>Hold the base to the installation surface and mark the screw holes with a pencil.</p>
<p><b>D.3</b></p> 	<p>Drill holes on the marks into the wall → insert the dowels → drive screws through the holes of the mounting base.</p> <p><b>Attention:</b> assure that you use the correct dowels for your desired surface → the dowels in the package contents are for normal concrete walls.</p>

<p><b>E.1</b></p> 	<p>Replace the front cover by turning.</p> <p><b>Important:</b> The arrows must match when closed.</p> <p>→ When closed, the camera is waterproof to IP65.</p>
<p><b>E.2</b></p> 	<p>Put the head back on the basis</p> <p>→ tighten the screw 2</p>
<p><b>F.1</b></p> 	<p>Loosen the screw 1 (little by little)</p> <p>→ turn the device to the right position (max. 360° around)</p> <p>→ tighten the screw 1</p>
<p><b>F.2</b></p> 	<p>Loosen the screw 2 (little by little)</p> <p>→ bend the device to the right position (max. 180°)</p> <p>→ tighten the screw 2</p>

## Mode settings

 Video	 Photo	 Light
Video Mode	Photo Mode	Only Light Mode



**1 = Micro USB port**  
**2 = Mode Switch**

**Note:** Use only new alkaline D-Cell batteries with 1.5V rating. Do not mix old and new batteries. Install batteries with polarity in correct position.

### (a) Video Mode

Switch the mode switch to **VIDEO**. The green status LED flashes as soon as motion detection (PIR) is triggered. Videos are stored on the inserted MicroSD card. Stop taking videos after 20 seconds when there is no more movement. If during 20 seconds there is still movement the video clip will continue recording. When the MicroSD card is full, the oldest recording will be deleted and restored with the newest recording. Light turns on with video in darkness, when motion detection is triggered.

**Note:** Night videos drain more power resulting in shorter battery life.

## **(b) Photo Mode**

Switch the mode switch to **PHOTO**. The green status LED flashes as soon as motion detection (PIR) is triggered. Photos are stored on the inserted MicroSD card. Stop taking photos after 20 seconds when there is no more movement. If during 20 seconds there is still movement the camera will continue taking photos. After trigger photos are taken every 2 seconds. When the MicroSD card is full, the oldest recording will be deleted and restored with the newest recording. Light turns on with photo in darkness, when motion is triggered.

## **(c) “Light only” Mode**

Light shuts off after 20 seconds if there is no more movement. If during 20 seconds there is still movement the light will continue shining for 20 seconds. Light goes on only in darkness to conserve battery life.

## **(d) OFF mode**

The OFF mode is the safe mode when any action must be taken, e.g. replacing the MicroSD card/the batteries or transporting the device. No video, photo or light will be turned on in this mode.

## **Set time & date**

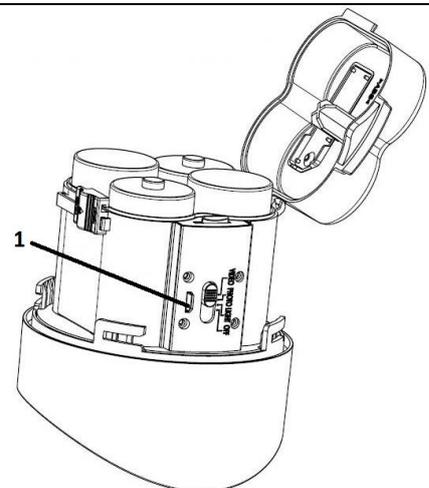
### **1 = Micro USB function**

Before setting the time and date, format the MicroSD card in a Windows PC.

File system: FAT32

Size of the allocation units: 32KB

This formatting prevents videos from playing fast in playback.



**Note:** Pay attention, when you set time & date, put the function button to OFF position. A connection to the PC is only established in the OFF position.

We suggest you to set time & date after battery replacement or long period disuse the device.

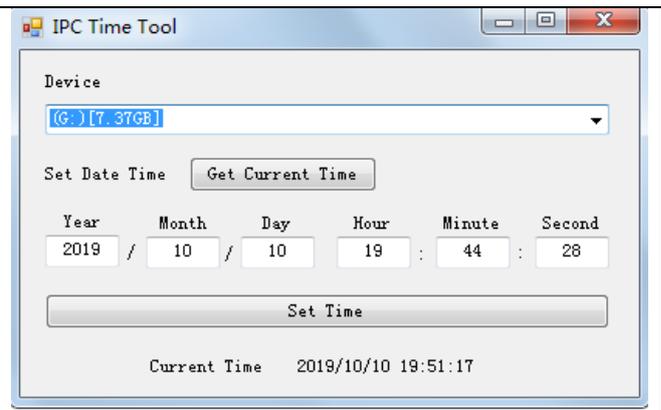
1. Go to Technaxx.de → Support → Video Ueberwachung → TX-106 and download the TimeSynchronize file.

**Note:** WinRar or Zip to unzip the file is necessary!

2. Insert MicroSD card to the camera (if not already inserted) and connect the USB cable with computer.

3. Start the UsbTime.exe with a double click to sync time&date of TX-106.

4. The Software should show the removeable disk, the TX-106 under Device.



5. Click “Get Current Time” this synchronizes the time with computer. It is better to add 30 seconds to the current time in Second position because the time is synchronized when you restart the camera.

6. Then click the button “SET time” to finish time setting.

7. Eject the removable disk. And then disconnect the USB connection between TX-106 and PC. Then slide the switch to the desired mode.

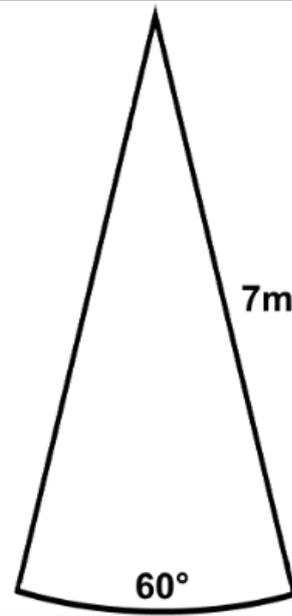
## Watch videos

To watch recorded videos on your PC, insert the MicroSD card directly into the MicroSD card slot of your PC.

In case your PC does not have a MicroSD card slot, either use a MicroSD adapter card, or connect the device with a Micro USB cable to your PC. The camera function button put in OFF position! The device now should be recognized as removable disk.

## PIR detecting range

**Remark:** The PIR detection area is  $60^\circ$ . Moreover, the PIR detection range is affected by the environment temperature ( $25^\circ\text{C}$  is the best temperature).



## Ground Mounting holder

With the ground mounting holder\* (\*included) you can use the device as path light with camera or as path light in your garden.

## Battery life

It is depending on the mode you select as a default. Long battery life is one of the most important requirements. There are several variables that will determine the battery life (type of batteries, temperature outside, frequency of activity, etc.) Night video and photo frequency (light and record) will result in shorter battery life. Different brands of batteries may also perform better than others, so please experiment to find what works best for you.

**Attention:** If RED status LED blinks, insert new batteries. **Notice:** Should battery fluid leak from a battery, wipe the battery case with a soft cloth dry and put in a new batteries.

## Middle values for battery life

Video mode 10x / 20x / 30x times at night (~3 / 6 / 10 minutes)	up to 5 / 2,5 / 1,5 month
Photo mode 10x / 20x / 30x times at night (~1 / 2 / 3 minutes)	up to 10 / 7 / 3 month
Light mode 10x / 20x / 30x times at night (~3 / 6 / 10 minutes with average brand alkaline)	up to 6 / 2 / 1,2 month
Light mode 10x / 20x / 30x times at night (~3 / 6 / 10 minutes with top brand alkaline)	up to 8 / 4 / 2,4 month

## WARNINGS

(To reduce the risk of fire, electrical shock or product damage/failure)

- Do not expose unit with the cover open to rain, moisture, dripping or splashing.
- Do not open or close the battery door with wet hand. Completely wipe off water on unit before opening.
- Do not submerge product in water (this unit is designed for normal outdoor use).
- Only use batteries as specified in this user manual and install according to correct polarization. Failure to follow may result in leaking or exploding batteries, damage to product, fire or personal injury.
- Do not handle damaged or leaking batteries.
- Do not expose to extreme heat. Do not leave product and/or batteries exposed in direct sunlight inside a vehicle, or other contained environment for a long period of time.
- Only use accessories as recommended in this manual.

- **TECHNAXX** recommends using 4 pieces of D-Size Alkaline batteries of very high standard, this product can model to obtain maximum battery life (do not mix old and new batteries). Rechargeable batteries are NOT recommended.

## **FCC Statement**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

## **US Warranty**

Thank you for your interest in the products and services of Technaxx Deutschland GmbH & Co.KG. This Limited Warranty applies to physical goods, and only for physical goods, purchased from Technaxx Deutschland GmbH & Co.KG.

This Limited Warranty covers any defects in material or workmanship under normal use during the Warranty Period. During the Warranty Period, Technaxx Deutschland GmbH & Co.KG will repair or replace, products or parts of a product that proves defective because of improper material or workmanship, under normal use and maintenance.

The Warranty Period for Physical Goods purchased from Technaxx Deutschland GmbH & Co.KG is 1 year from the date of purchase. A replacement Physical Good or part assumes the remaining warranty of the original Physical Good or 1 year from the date of replacement or repair, whichever is longer.

This Limited Warranty does not cover any problem that is caused by:

- conditions, malfunctions or damage not resulting from defects in material or workmanship

To obtain warranty service, you must first contact us to determine the problem and the most appropriate solution for you.

Technaxx Deutschland GmbH & Co.KG, Kruppstrasse 105, 60388 Frankfurt am Main, Germany

\* [www.technaxx.de](http://www.technaxx.de) \* [support@technaxx.de](mailto:support@technaxx.de) \*