

# Technaxx® \* User Manual

## Nature Wild Cam TX-160

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)

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

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***

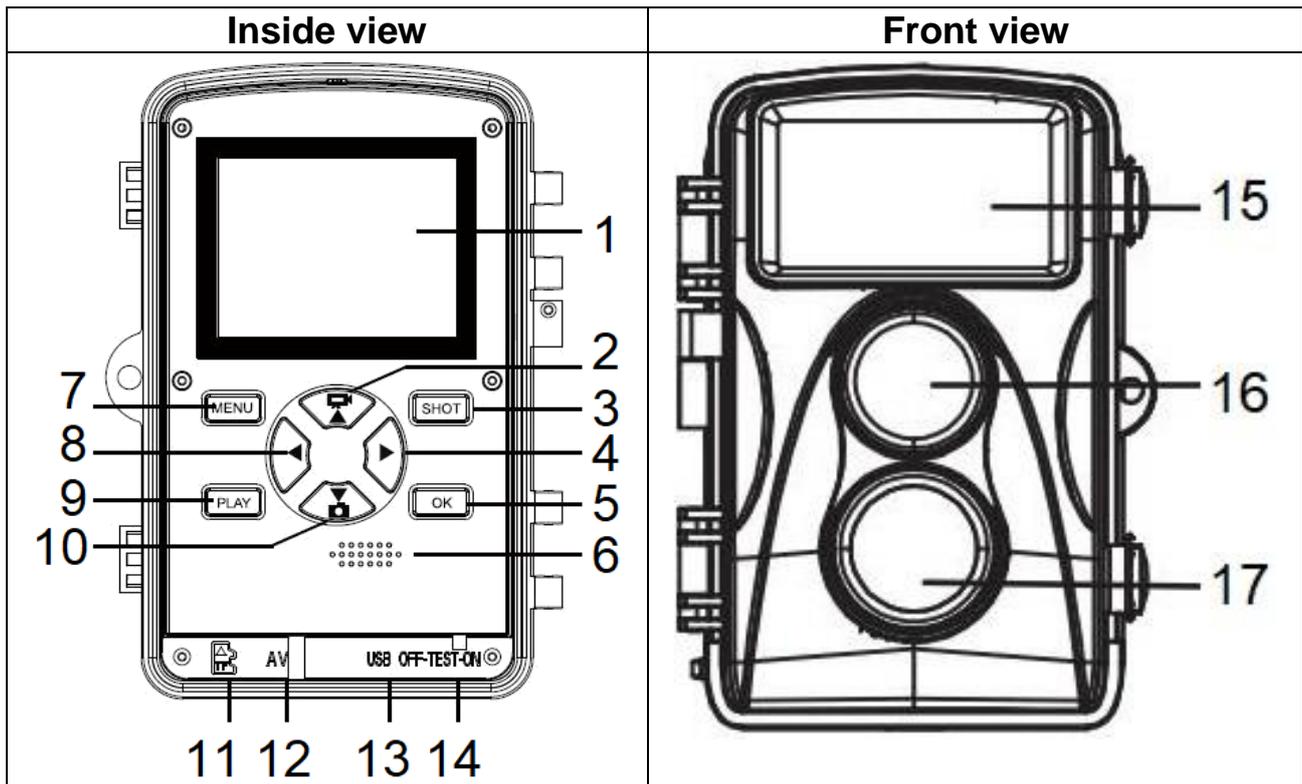
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### Features

- Security camera battery operated for indoor and outdoor use
- Ideal for recording and observing the wildlife and for monitoring houses
- FullHD video resolution 1080p
- 2.4" TFT LCD display (720x320)
- 1/3.2" CMOS sensor with 8MP
- Select functions: video, photo, video & photo
- PIR sensor (~20m) & IR range (~20m) for night recordings
- Triggering time 0.3 seconds
- Built-in microphone & speaker
- MicroSD card\*\* up to 512GB (\*\*not included in delivery)
- Camera protection class IP56 (dust proof & heavy splash water proof)

## Camera overview



1	Display screen	10	Down Button
2	Up button / Video button	11	MicroSD card slot
3	Shot Button	12	AV Jack
4	Right Button	13	Mini USB connector
5	OK Button	14	OFF-TEST-ON Mode
6	Speaker	15	Infrared LEDs
7	Menu Button	16	Lens
8	Left Button	17	PIR sensor (motion sensor)
9	Playback Button		

## Power supply

→ Before use, install 8x pieces of AA batteries\* 1.5V (\*included) in the correct polarity. → Open the camera case and remove the battery cover.

→ Extended Information for Power supply

- The device does not work with a battery voltage lower than 4V.
- The battery life with default video length of 10 seconds will be: 4.5 hours in day mode or 1.5 hours in night mode & 1600 videos in day mode or 300 videos in night mode (8xAA batteries installed).

## Inserting the memory card

● The camera has no built-in memory, therefore insert a formatted (with FAT32) MicroSD card\*\* up to 512GB (\*\*not included) for saving files. We suggest to use class 6 or above high speed card.

**Formatting:** Format memory cards up to 32GB in FAT32, memory cards from 64GB in exFat.

**Attention:** Do not insert the MicroSD card forcibly; refer to the marking on the camera. The MicroSD card should have same temperature like the ambient temperature. The camera will be short-circuiting influenced by environment temperature and humidity. Notice protection for the camera when using it outdoor.

● If the capacity of MicroSD card is full, the camera will stop recording automatically. The LEDs will go out (when Endless Capture is OFF).

● Press the edge of the card gently to pop-out the MicroSD card.

## Basic Operations

### Turn On and Off the camera

First time start in Test mode select the device language. Not possible in ON mode!

Switch the MODE button to “Test” to turn on the camera for settings.

Switch the MODE button to “ON” to turn the camera in recording mode.

Switch the MODE button to “Off” to turn off the camera.

### System Setup

Switch MODE button to “Test”, then you can set the system parameters.

→ Press Up/Down button to switch between Video and Photo mode for manual use in Test mode.

→→ Press Menu button to open the setup menu.

→→→ Press Up/Down button to scroll through all menus. Then press OK button to enter the options interface.

→→→→ Press Up/Down button to scan all options. And press OK button to confirm options.

→→→→→ Press MENU button again to turn back to last menu or exit the setup menu.

## Setup menu and function as below:

**Mode:** [Photo] / [Video] / [Photo & Video] (default). → Select and press OK button to confirm.

Set the working mode	Photo mode	Camera only takes pictures.
	Video mode	Camera only records video.
	Photo & Video mode (default)	Camera will take a photo first, and then start to record video.

**Photo Resolution:** Set the image resolution: the bigger the resolution → the higher the sharpness! (It will take bigger space either.)

[20MP: 5200x3900 (interpoliert)] / [16MP: 4608x3456 (interpoliert)] / [12MP: 4000x3000 (interpoliert)] / [8M: 3264x2448] (default) / [5M: 2592x1944] / [3M: 2048x1536] / [1M: 1280x960]

→ Select and press OK button to confirm.

## Photo Series:

Set photo number of continuous shooting	Photo mode	Camera will take photos continuously
	<b>Options:</b> [1 photo] (default) / [2 photos in series] / [3 photos in series] / [10 Fotos in Serie].	
	→ Select and press OK button to confirm.	

**Video Resolution:** [3840x2160] / [2688x1520] / [1920x1080] (default) / [1280x720] / [720x480] / [640x480] / [320x240]. → Select and press OK button to confirm. Set the video resolution: the bigger the resolution → the shorter the recording time.

**TL-Video Resolution:** Set the resolution for the Time Lapse [3264x2448] / [2592x1944] / [2048x1536] and press OK button to confirm.

## Video length / Audio recording

Video length	Set the duration of recording a video clip → shortest time is 3 sec. / longest time is 10 min.
	Options: 3 sec. – 10 min. (default is 10 sec.)
→ Select and press OK button to confirm.	
Audio recording	Open this function → camera will record audio when recording video.
	Options: [On] (default) / [Off].
→ Select and press OK button to confirm.	

**Shot Lag:** 5 sec. – 60 min. → Select and press OK to confirm.

“Short Lag” is the time between the current video and the next video. Set the time of delay shooting when the camera detects the motion. Within the selected time, the camera will not record any image or video. It can avoid storing too much of the same event and saving more storage. (Default is 5 seconds.)

**Sensitivity Motion Sensors options:** [Low] / [Middle] (default) / [High].

→ Select and press OK button to confirm.

Test the sensitivity and find the correct detection zone for your purpose. Set the sensitivity of the sensor. **Note:** The temperature can also influence the sensor sensitivity.

Low	Set the sensitivity to low if you want to record indoors (small environment) or in cold environment.
Middle	Set the sensitivity to middle if you want to record outdoor (normal environment).
High	Set the sensitivity to high if you want to record outdoors (huge environment) or the temperature is mild.

### Target Recording Time

Set the target recording time of the day. With this option you can preselect when recordings should be taken.  
As shown in right picture, you can set the start and stop time. The camera will work just in the set time slot. In other time, the camera will keep in standby state.



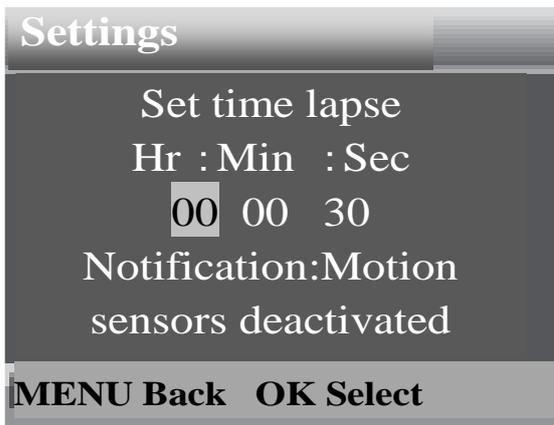
Options: [On] / [Off] (default).

→ Press OK to confirm.

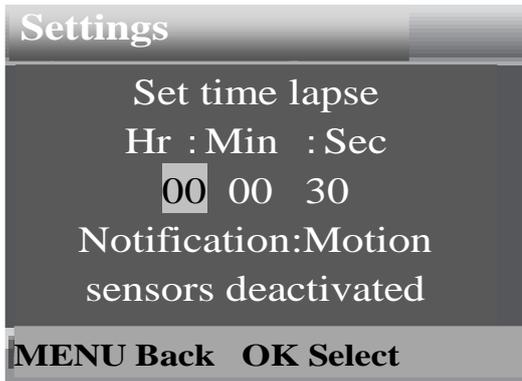
**Note:** If start time and stop time are the same, the working time is 24 hours.

## Time Lapse Recording

### ● Normal

<p>Set the interval time of taking pictures. The camera will take pictures automatically as per set time interval. For example, set the interval time to 1 hour, the camera will take a photo each hour. If you want to observe that a plant blooms, the camera will take 24 photos in 24 hours to record the whole process of blooming.</p>	
→ Press OK to confirm.	→ Press OK to confirm.

### ● TL Video

<p>You can set the interval time. The time range is from 3 second to 24 hours.</p> <p>For example, set the interval to 1 hour, the camera will take a photo each hour. If the camera works for 24 hours, there will be 24 photos. These photos will be converted into a video.</p>	
→ Press OK to confirm.	→ Press OK to confirm.

### ● OFF → Press OK to confirm.

**Language:** (set the language display on screen): [English] / [German] / [Danish] / [Finnish] / [Swedish] / [Dutch] / [Spanish] / [French] / [Italian] / [Portuguese].

→ Select and press OK button to confirm.

**Endless Capture:** [On] (default) / [Off]. → Select and press OK button to confirm.

If you activate Endless Capture the device will capture photo or/and video, depending on the mode you choose, until the storage of the MicroSD card is reached.

When the storage is full the recording will move on what means that the oldest file (photo/video) will be deleted, every time a new motion is detected.

**Time & Date:** [Set time & date] / [Time format] / [Date format].

→ Select and press OK button to confirm.

Set time & date	Press Up/Down button to adjust the values. → Select and press OK button to confirm.
Time format: selected between 24h (default) & 12h.	Press Up/Down button to adjust the values. → Select and press OK button to confirm.
Date format: select between [dd/mm/yyyy] (default) / [yyyy/mm/dd] / [mm/dd/yyyy].	Press Up/Down button to adjust the values. → Select and press OK button to confirm.

**Photo Stamp:** (stamp the date & time on the photos or not): [Time & date] (default) / [Date] / [Off]. → Select and press OK button to confirm.

**Password Protection:** [On] / [Off] (default). → Select and press OK button to confirm.

Set the power-on password of the camera. The password is four digits, each digit ranges from 0 to 9. **Attention:** If you set the password, write it down to make sure that you do not forget it!

If you forget the password contact the support@technaxx.de for help.

**Beep Sound:** [On] / [Off] (default). → Select and press OK button to confirm. Open den Beep sound menu to turn On or Off the confirmation sound of the buttons.

**Format Memory Card:** [Yes] / [No] (default). → Select and press OK button to confirm.

**Attention:** Formatting the memory card (FAT 32) will delete all data permanently. Before using a new memory card or a card that has been used in another device previously, please format the memory card.

**Serial No.:** [On] / [Off] (default). → Select and press OK button to confirm.

Set the unique serial number for the camera. The number is four digits, each digit ranges from 0 to 9.

**Reset Settings:** [On] / [Off] (default). → Select and press OK button to confirm.

Restore the camera to factory default settings including password, serial number and so on.

**Version:** Look up the Firmware information of the camera.

**Take Photos, Record Video, Playback:** Switch the Mode Button to “Test”. In this mode, you can take photos, record video and playback files manually.

- **Take Photos:** Press Capture button to switch to photo mode. Press Shot button to take a picture.
- **Record Video:** Press Video button to switch to video mode. Press Shot button to start to record a video clip. Press Shot button again to stop recording.
- **Playback:** Press Playback button (10) to enter the playback interface. Press Up/Down button to scroll through photos or videos. When you want to playback video, press OK button to play the video. Press OK button again to have a pause. Press Menu button to stop playback. Press Playback button (10) again to exit the playback mode. Under “Playback” press the Menu button →

**Select from the following options:**

Delete the current photo or video		Options: [Cancel] / [Delete] → Press OK to confirm
Delete all files	Delete all photo and video files saved on the memory card.	Options: [Cancel] / [Delete] → Press OK to confirm
Activate slide show	Playback the photos in slide way. → Press OK button to stop playing.	Each photo display 3 sec.
Write protect	Lock the file. It can avoid accident deletion. → Select and press OK button to confirm.	Options: [Write-protect current file] / [Write-protect all files] / [Unlock current file] / [Unlock all files].

### Working Mode

- Switch the Mode Button to “On”. After turn on the camera, the screen will display 15 seconds countdown. Then the LEDs and screen will go out. The camera begins to operate independently and enter standby mode.
- If the wild animals enter the detection range of the motion sensors, the camera will be activated and detect the motion trail. If the wild animals continue to move to the detection zone of the sensor, the camera will take photos or record video automatically.
- When the wild animals leave the detection zone of the sensors, the camera will be deactivated and turn back to standby mode.

## Night Mode

- During the night, the infrared LEDs will turn on automatically, to provide necessary light for taking pictures/videos. This makes it possible to take a picture at a distance about 3–18m without overexposing the night.
- However, reflective objects such as traffic signs can cause overexposure if they are located within the recording range. In night mode, the pictures just can display white and black. When recording a video for a long time in the evening, the low voltage may have a great influence on the stability of the machine.

**Attention:** Do not record video with low battery voltage in the evening.

## Download Files to a computer (2 ways)

- Inserting the MicroSD card into a card reader.
- Connecting the camera to a computer using the supplied USB cable.

### Using a Card Reader

→ Pop-up the memory card from the camera and insert it into a card reader adapter. Then connect the card reader to a computer.

→→ Open [My Computer] or [Windows Explorer] and double-click the removable disk icon that represents the memory card.

→→→ Copy image or video files from the memory card to your computer.

### Connecting the camera to a PC by the USB Cable

→ Connect the camera to the computer via USB cable. The screen will display „MSDC”.

→→ Open [My Computer] or [Windows Explorer]. A removable disk appears in the drive list. Double-click the "Removable Disk" icon to view its contents. All files are stored in the folder named „DCIM”.

→→→ Copy the photos or files to your computer.

## Technical specifications

Image sensor	1/3.2" CMOS 8MP	
Display	2.4" TFT LCD display (720x320)	
Video resolution	3840x2160/10fps, 2688x1520/20fps, 1920x1080/30fps, 1280x720/60fps, 1280x720/30fps, 720x480/30fps; 640x480/30fps, 320x240/30fps	
Photo resolution	20MP (5200x3900 interpolated), 16MP (4608x3456 interpolated), 12MP (4000x3000 interpolated), 8MP (3264x2448), 5MP (2592x1944), 3MP (2048x1536), 1MP (1280x960)	
Video length	3 sec.–10 min. programmable	
File format	JPG/AVI	
Lens	f=3.3mm, F/NO2.0, FOV=110°, Auto IR filter	
IR	2x IR LEDs (high power/850nm), ~20m range	
PIR	60° viewing angle	
Triggering distance	~20m (below 25°C at the Normal Level)	
Triggering time	0.3 seconds	
Trigger interval	5 sec.–60 min. programmable	
Timer	On/Off, Time Lapse programmable	
Shooting numbers	1,2,3,10	
Effectiveness	Daytime: 1m up to infinitive, Night time: 1.5–20m	
Periodic shot	Time Lapse 3 second up to 24 hours	
Auto-distinguish images	Color images in daytime/black & white night images	
PC interface	Mini USB2.0	
Memory	External: MicroSD** card (up to 512GB, Class10) [**not included in delivery]	
Power supply	8x AA batteries* (*included); external 6V power supply** at least 1,5A (hollow plug 3.5x1.35mm)	
Standby time	~12 months, depending on settings and used battery quality	
Lockable / Password protection	Optional / 4-digit numbers or letters	
Working temperature	–20°C up to +50°C	
Weight & Dimensions	311g (without batteries) / (L) 9.0 x (W) 7.2 x (H) 13.6cm	
Package contents	Nature Wild Cam TX-160, Mini USB cable, AV cable, Mounting belt & wall mount, 3x screws & 3x dowels, 8x AA batteries, User Manual	

## Warnings

- Do not attempt to disassemble the device, it may result in short-circuit or even damage.
- Do not drop or shake the device, it may break internal circuit boards or mechanics.
- Keep the device in dry and ventilated environment. Avoid high humidity and high temperature. Also batteries should not be exposed to excessive heat or direct sunlight.
- Keep the device away from little children.
- The device will be hot after using for too long time. This is normal.
- Please use the accessory provided by our factory.



Products marked with this symbol meet all applicable community regulations of the European Economic Area. Technaxx Deutschland GmbH & Co KG has issued a "declaration of conformity" in accordance with the applicable directives and relevant standards. has been created. This can be viewed at any time upon request.



**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. **Important Notice:** Should battery fluid leak from a battery, wipe the battery case with a soft cloth dry. **Distributor:** Technaxx Deutschland GmbH & Co.KG, Kruppstr. 105, 60388 Frankfurt a.M., Germany

## **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 1year 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.

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