

Technaxx TX-164 FHD Time Lapse Camera User Manual

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Technaxx TX-164 FHD Time Lapse Camera

Features

- Time lapse camera battery operated for indoor and outdoor use
- Ideal for timelapse recordings of construction sites, house building, plant growth (garden, orchard), outdoor shots, security monitoring, etc.
- Coloured time-lapse recordings during the day; Time-lapse recordings at night with high brightness additional by built-in LED (range ~18m)
- Full HD video resolution 1080P/ Picture resolution 1920x1080pixel
- 2.4" TFT LCD display (720x320)
- 1/2.7 CMOS sensor with 2MP and low light sensitivity
- Wide angle lens with 110° field of view
- Select functions: time-lapse photo, time-lapse video, photo or video
- Built-in microphone & speaker
- MicroSD card** up to 512 GB (**not included in delivery)
- Camera protection class IP66 (dust proof & splash waterproof)

Product Overview

1	MicroSD card slot	10	Loudspeaker
2	MicroUSB port	11	OK button
3	Power button /Time lapse Button start/stop	12	Battery compartment (4x AA)
4	Menu button	13	Status indicator
5	Down button /Selfie button	14	LED light
6	DC Jack (6V /1A)	15	Lens
7	Display screen	16	Microphone
8	Up button / Manual time-lapse button	17	Locking clamp
9	Mode button / Right button		

Power supply

- Insert 12x pieces of 1.5V AA batteries* (*included) in the correct polarity before first use.
- Open the battery compartment on the left (12) to insert 4xAA batteries. Remove the battery cover on the right to insert 8xAA batteries Extended Information for the Power supply
- The device does not work with a battery voltage lower than 4V
- You can use rechargeable batteries. Attention: Shorter working
- If you use the DC Jack as a power supply the inserted batteries will not be charged. Please remove the batteries from the device.
- The battery life using standard non-rechargeable AA batteries with default time-lapse photo mode and a period of 5 minutes will be: about 6 months with 288photos/day 12 xAA batteries installed).

Open the battery compartment on the right side.

Inserting the memory card

- The camera has no built-in memory, therefore insert a formatted Micro SD card ** up to 512 GB (**not for saving files. We suggest to use class 10 or higher
- **Attention:** Do not insert the MicroSD card forcibly refer to the marking on the camera. The MicroSD card should have the same temperature as the ambient temperature.
- If the capacity of the MicroSD card is full, the camera will stop recording automatically
- Press the edge of the card gently to pop out the MicroSD card.

Info:

- Cards up to 32GB must be formatted in FAT32.
- Cards of 64GB or more must be formatted in exFAT.


Basic Operations











Key assignment

Mode

You can use the Mode button () to switch between 3 modes:

- Manual photo mode
- Manual video mode
- Playback mode

Press the MODE button () to switch between modes. At the top left of the screen, you can see which mode is active.

- **Take photos manually:** Press the MODE button () to switch to photo mode. Press the OK button () to take a picture.
- **Record Video manually:** Press the MODE button () to switch to video mode. Press OK () to start recording, and press OK () again to stop recording.
- **Playback:** Press the MODE button to switch to the playback interface, and press the UP/DOWN button () to browse the saved photos and videos. When playing back the video, press the OK button () to play, press the OK button () again to pause, and press the MENU button () to stop playing. Press the MODE button () again to exit playback mode.

Playback Menu

Delete the current photo or video	Delete the current photo or video	Options: [Cancel] / [Delete]
		→ Press OK to confirm
Delete all files	Delete all photos and video files saved on the memory card.	Options: [Cancel] / [Delete]
		→ Press OK (11) to confirm
Activate slide show	Playback the photos in a slideway.	Each photo displays 3 sec.
	→ Press the OK button (11) to stop playing.	
Write protect	Lock the file. It can avoid accident deletion.	Options: [Write-protect current file] / [Write-protect all files] / [Unlock current file] / [Unlock all files].
	→ Select and press OK button (11) to confirm.	

Time-lapse setting

You can set automatic or manual time-lapse for time-lapse shooting.

Set the automatic time-lapse shooting

Press the POWER button (3) once for starting up. You will now see the main screen. Click the MENU button (4). Afterward, press the DOWN button (8) to switch to the MODE option. Press the OK button (11) to open the menu. You can now choose between 4 modes.

- **Timelapse Photo** is time-lapse for a photo, can be set to take 1 photo every 3 seconds to 24 hours, and automatically connects photos to generate time-lapse AVI videos in real-time
- **Timelapse Video** is time-lapse for video, it can be set to record a short video of 3 seconds to 120 seconds every 3 seconds to 24 hours, and automatically connect to an AVI video
- **Timing Photo** can be set to take 1 photo every 3 seconds to 24 hours
- **Timing Video** can be set to record a video from 3 seconds to 120 seconds every 3 seconds to 24 hours.

1. Select the Mode
2. Select the capture interval. By using the UP/DOWN button (5/8) and MODE button (9) on the right
3. Select the day by using the MODE button (9). Enable/disable the day by using the up or down button

Press the OK button (11) to set the day of the week and capture interval. After you finish the setting, return to the main screen by pressing the MENU button (4). Then short press the POWER button (3). The screen will prompt a 15-second countdown. After the countdown is over, it will enter the recording mode and the camera will shoot photos/videos according to the capture interval you set. Short press the POWER button (3) again to stop time-lapse shooting.

Set manual time-lapse shooting (Stop motion)

- After starting the photo mode is activated by default. Press the UP / MTL button (8) to start the manual time-lapse recording. Press the OK button (11) to take a photo. Repeat this until your stop-motion recording is complete. Then press the UP / MTL button (8) again to end the manual time-lapse recording. The photos are automatically merged into a video.
- After starting up, press the MODE button (9) to switch to the video mode, press the UP / MTL button (8) to enter the manual time-lapse video shoot, and press an OK button (11) to start recording. The video will be recorded for the set video length. Repeat this until your manual time-lapse video is complete. When you finish taking videos, press the UP / MTL button (8) again to stop the manual time-lapse video. The videos are automatically merged into one video.

System Setup

- → Press the POWER button (3) once for start-up, and click the MENU button (4) to set /change the camera settings
- →→ Press the UP/DOWN button (5/8) to scroll through the menu. Then press the OK button (11) to enter the options interface.
- →→→ Press the UP/DOWN button (5/8) to scan all options. Press the OK button (11) to confirm options.
- →→→→ Press the MENU button (4) again to turn back to the last menu or exit the setup menu.

Setup menu and function as below

- **Setting:** The overview shows the important information that has been set so far. Set mode, interval time, current battery power, microSD card available space.

- **Mode:** Timelapse Photo] (/ Timelapse Video] / [Timing Photo] Timing Video]. → Select and press the OK button to confirm.

Set the working mode	Timelapse Photo mode (default)	The camera takes pictures every set period and combines them into a video.
	Timelapse Video mode	The camera takes video every set period for the set video length and combines them to a video.
	Timing Photo mode	The camera takes pictures every set period and saves the picture.
	Timing Video mode	The camera takes video every set period for the set video length and saves the video.

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LED: Set the Led [On]/[Off] (default). This can help to light up a dark environment. → Select and press OK button (11) to confirm.

- [ON] During the night, the LED will turn on automatically, to provide the necessary light for taking pictures/videos. This makes it possible to take pictures at a distance of about 3–18m.
- 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 in white and black.

Exposure: Set the exposure. [+0.3 EV]/[+0.2 EV]/ [+0.1 EV] /[+0.0 EV] (default) / [-1.0 EV]/[-2.0 EV]/[-3.0 EV]. → Select and press OK button (11) to confirm.

Language: set the language display on screen : [English] / [German] / [Danish] / [Finnish] / [Swedish] / [Spanish] / [French] / [Italian] / [Dutch] / [Portuguese]. → Select and press OK button (11) to confirm.

Photo Resolution: Set the image resolution: the bigger the resolution → the higher the sharpness! (It will take bigger storage either.) [2MP: 1920×1080] (default) / [1M: 1280×720] → Select and press an OK button (11) to confirm.

Video Resolution: [1920×1080] (default) / [1280×720]. → Select and press the OK button to confirm. Set the video resolution: the bigger the resolution → the shorter the recording time. → Select and press OK button (11) to confirm.

Frequency: Set the light source frequency to match the frequency of the electricity supply in the local region to prevent interference. Options: [50Hz] (default) /[60Hz]. → Select and press OK button (11) to confirm.

Video length: Set the duration of recording a video clip. Options: 3 sec. – 120 sec. (default is 5 sec.) → Select and press OK button (11) to confirm.

Photo Stamp: stamp the date & time on the photos or not. Options: [Time & date] (default) / [Date] / [Off]. →
Select and press OK button (11) to confirm.

Manuals+.