

Introduction

Information concerning these operating instructions

Congratulations on the purchase of your new device. You have selected a high-quality product. The operating instructions are a constituent of this product. They contain important information about safety, use and disposal.

Before using the product, familiarise yourself with all operating and safety instructions. Use this product only as described and only for the specified areas of application.

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by failure to observe these instructions, improper use, incompetent repairs, making unauthorised modifications or for using unapproved replacement parts. The operator alone bears liability.

When the equipment will be placed in the outdoor filming, rapid changes in the weather could lead to error record.

Warnings

The following warnings are used in these operating instructions:

DANGER

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Any copying or reproduction, including extracts thereof, and the reproduction of images (even in a modified state), is only permitted with the written authorisation of the manufacturer.

Intended use

This device is intended only for recording digital photos and videos, and particularly for observing wildlife. It is not intended for any other use or for uses extending beyond those stated. This device is not intended for use in commercial or industrial environments.

The manufacturer accepts no responsibility for damage caused

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A warning at this risk level indicates an imminently hazardous situation. If the hazardous situation is not avoided, it could lead to death or serious physical injury.

► Follow the instructions in this warning to avoid a fatality or serious personal injury.

WARNING

A warning of this risk level indicates a potentially hazardous situation. Failure to avoid this hazardous situation could result in physical injury.

► Follow the instructions in this warning to prevent physical injury.

CAUTION

A warning of this risk level indicates potential damage to property.

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Failure to avoid this situation could result in damage to property.

► Follow the instructions in this warning to prevent damage to property.

NOTE

► A note indicates additional information that will assist you in handling the device.

Controls

1.up button

2.Right button

3.Shot button

4.OK button

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5.Left button

6.Menu button

7.Replay button

8.Down button

9.TF slot

10.AV jack

11.USB jack

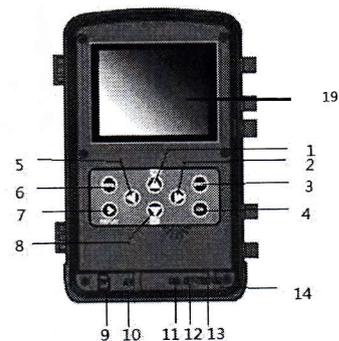
12.OFF

13.Test

14.ON

15.Infrared LEDs

16.Lens

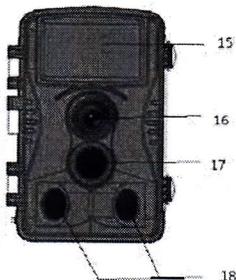


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17.Front motion sensor

18.Side motion sensor

19.Display screen



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Power supply

◆ To insert batteries in the device, first open the base plate by swiveling it away from the device at its locking eyelet .When you replace the battery, please replace all batteries,.Do not mix using the old and new batteries together.

◆ Then press the arrow marking on the battery compartment cover to open the compartment.

◆ Insert 4 x 1.5 V LR6/AA batteries into the battery slots .

Please pay close attention to the polarity, which is marked next to the battery compartment. Otherwise the device will not work and can be damaged.

◆ Close the battery compartment cover and push against the arrow marking again until the cover clicks audibly into place.

To increase the operating time, you can use an additional 4 x 1.5 V LR6/AA batteries in the battery compartment of the tree mounting .

◆ To do this, carefully push the lock on the battery compartment cover upwards and open the cover.

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- ◆ Insert 4 x 1.5 V LR6/AA batteries into the battery compartment.

Please pay careful attention to the polarity, which is marked on the inside of the battery compartment cover . Otherwise the device will not work and can be damaged.

- ◆ Close the battery compartment cover and gently press against it until it clicks audibly into place.

- ◆ If you operate the device using a mains adapter (not supplied), open the round rubber seal on the base plate and connect the plug of the adapter cable into the socket for the external mains adapter, which is now accessible. The mains adapter must supply a direct-current voltage of 6 V with at least 680mA.

Use a barrel jack whose interior polarity is connected to the plus

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Inserting storage media

- ▶ Since the camera has no built-in memory, it can only work if an TF memory card is inserted. After inserted, format the TF card , so that to improve the battery life and shutter speed.

- ▶ The device supports TF memory cards with a capacity of up to 32 GB.

- ▶ To avoid malfunctions, keep the memory card away from moisture and avoid strong vibration, dust, heat sources and direct sunlight.

- ▶ Insert the memory card as indicated by the icon on the slot. Never force the memory card into the slot. Never bend or twist the memory card.

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pole .

Operation via a mains adapter is possible with batteries inserted.

If one power source fails, operation will be maintained using the Other.

Video connection TV

- ▶ The camera can transfer the video signal to an external monitor or the video input of a television set. Please also follow the instructions of the respective playback device.

- ◆ Connect a suitable monitor to the TV out socket using the supplied TV cable .

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- ▶ After transport, wait until the memory card has reached ambient temperature before using it for the first time. Major fluctuations in temperature or humidity can lead to condensation which could cause an electrical short-circuit. Keep the memory card in the protective case.

- ▶ When the TF memory card is full, it will automatically stop take picture and record video. And the Light will be closed.

- ◆ To remove an TF memory card from the memory card slot of the device, press the protruding edge of the memory card in a little way until it pops out. Then remove the card.

- ◆ To insert an TF memory card into the memory card slot of the device, push it into the slot until it clicks into place.

The contact surfaces of the memory card must be facing

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towards the front of the camera.

Handling and operation

In this chapter you will receive important information for the handling and operation of the device.

Switching on and off , making settings

After connecting a power supply, move the operating mode selector switch to the "SET" position to make the settings described on the following pages using the control panel buttons. In test mode, the infrared lamp is closed.

- ◆ Press the down button to switch from video to photo mode.
- ◆ Press the up button to switch from photo to video mode.

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Language

Here you can set English, German, Finnish, Swedish, Danish, French, Italian, Dutch, Spanish or Portuguese as the menu language.

Format memory card

Formatting the memory card will permanently delete all data on it. Before you use a new memory card in the camera or a card that has previously been used in another device, you should first format the memory card. Select "Yes" with the OK button and confirm the following prompt with the OK button. The formatting process starts. While the card is being formatted, the message "Please wait" appears.

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- ◆ Press the MENU button to open the settings menu.

Unconfirmed changes will not be saved.

Press the up /down buttons to select the desired menu entry which you can then activate with the OK button. If you change settings, you must always confirm your changes with "OK" . Use the MENU button to navigate one menu level backwards.

Mode

To select whether photos or videos are to be recorded in motion detection mode. In "Photo + Video" mode, the camera first takes a photo and then starts filming video.

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Photo resolution

Select a photo size: 1 MP, 3 MP, 5 MP (preset), 8 MP or 12 MP.

The larger the file size, the more detailed the image. However, the maximum number of high-resolution images that can be stored before the memory card is full is much lower.

Video resolution

Select the screen resolution: 1280 × 720, 720 × 480, 640 × 480 or 320 × 240. Here too, the higher the resolution, the sooner the capacity limit of the memory card will be reached.

Time & date

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Here you can set the date format (YYYY/MM/DD, DD/MM/YYYY or MM/DD/YYYY), the time format (12/24 hrs) and the time and date. Use the / buttons to switch between the values and change the selected value with the / buttons. Confirm your settings with the OK button.

Photo series

Select the number of photos that are to be taken in succession when the camera is activated in photo mode. In addition to single shot mode (1 photo), you can take "2 photos in series" or "3 photos in series" .

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with too many recordings of the same event. You can select between 5–60 seconds or 1–60 minutes.

Sensitivity of the motion sensors

The sensitivity of the main motion sensor is set here. For interior areas and environments with little interference, such as branches blowing in the wind, select "High" . Select "Medium" for exterior areas and environments with a normal amount of interference, and select "Low" for environments with a high level of interference. The temperature can also affect the sensitivity. The "High" setting is suitable for warm ambient temperatures, whereas "Low" should be selected for cold Environments.

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Video length

Use the up/down buttons to select the length of the video recording (between 1–60 seconds or 1–10 minutes) that is to be made when video recording is activated. The longer the recording time selected, the shorter the operating time. The preset video length is 30 seconds.

Shot lag

Use the up/down buttons to select the minimum time period that the camera should wait before reacting to subsequent activation of the main sensor after the initial recording. During the selected interval, the camera will not record any images or videos. This prevents the memory card from being filled up

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Photo stamp

Here you can choose whether to save your photos with a time stamp. You can choose whether the stamp consists of the time and date (default setting) or just the date.

Target recording time

Select "On" if the camera should only be active during a certain time period. In the screen menu that subsequently appears, you can then set the start and end time for the active phase:



Press the up/down buttons to set the hour for the start of the active phase.

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Then switch to the next field using the right button. Press the up /down buttons to set the minutes for the start of the active phase.

Then switch to the next field using the right button. Press the up /down buttons to set the hour for the end of the active phase. Then switch to the next field using the right button. Press the up /down buttons to set the minutes for the end of the active phase.

The settings made here apply every day. The camera will not record any images outside of the active phase.

Confirm your selection with the OK button. Afterwards, press the MENU button to close this sub-menu.

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MENU button to close this sub-menu.

The set number combination must now be entered each time the camera is switched on in SET mode before the unit can be operated.

If you forget the number combination, proceed as follows to unlock the camera and to reset it to its factory default settings:

- ◆ Copy the file "FWDLJA.bin" from the supplied CD onto an empty memory card .
- ◆ Insert the memory card into the device while the operating mode selector switch is set to the OFF position
- ◆ Keep the button pressed while moving the operating mode selector switch to the SET position. Keep the button pressed.
- ◆ After about 5 seconds the camera.

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Password protection

Select "On" if you want to use a password to protect the camera from unwanted access. In the following screen menu, you can set a 4-digit combination:

Press the up /down buttons to select the first digit between 0–9.

Then switch to the next field using the right button. Press the up /down buttons to select the second digit between 0–9.

Then switch to the next field using the right button. Press the up /down buttons to select the third digit between 0–9. Then switch to the next field using the button.

Press the / buttons to select the fourth digit between 0–9.

Confirm your selection with the OK button. Afterwards, press the

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serial number

Select "On" if you want to use a serial number to rank the camera . In the following screen menu, you can set a 4-digit combination:

Press the up /down buttons to select the first digit between 0–9.

Then switch to the next field using the right button. Press the up /down buttons to select the second digit between 0–9.

Then switch to the next field using the right button. Press the up /down buttons to select the third digit between 0–9. Then switch to the next field using the button.

Press the / buttons to select the fourth digit between 0–9.

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Time lapse recording

With this function the camera automatically takes pictures at adjustable intervals. This is useful if you want to observe the blooming of plants or the like, for example. When you confirm "On" with the OK button, you can then set the desired time interval using the menu that now appears:



Press the up/down buttons to set the hour of the desired time interval.

Then switch to the next field, "Min", using the right button. Press the up/down buttons to set the minutes of the desired time interval.

Then switch to the next field, "Sec", using the right button. Press the up/down buttons to set the seconds of the desired time interval.

Confirm your selection with the OK button. Afterwards, press the MENU button to close this sub-menu.

Aligning the camera

In test mode you can work out the optimum exposure angle and the range of the motion sensors .

► During alignment, consider whether the use of the side motion sensors may be useful for attaining the desired observation results. You can activate/deactivate the side motion sensors using the above-described menu.

Align the camera as follows:

Fasten the camera to a tree or similar object at a height of 1–2 meters

and align the camera in the desired direction. Then move slowly from one side of the target area to the other side. While doing this, monitor the motion display.

If this lights up in blue, you have been detected by one of the activated side motion sensors . If it lights up in red, you have been detected by the front motion sensor . In this way, you can work out the best alignment for the camera.

The motion display only lights up when the operating mode selector switch is in the SET position and one of the motion sensors has detected movement.

During normal operation, there will be no LED display in this case.

To ensure that the camera does not make unwanted recordings of irrelevant movements, it should not be set up in a sunny location or close to branches

that can move in the wind. The recording angle of the sensors is about 100° from corner to corner; and the recording field for photos and videos is around 89°.

Record sound

Open the function, you can record sound while recording video.

Reset settings

If you select "Yes" the menu item and then slide the select bar in the following prompt to "OK" using the / buttons and then press the OK button, all previously made camera settings including any password will be deleted and the factory settings will be restored.

Activating live mode

The normal operating mode of the camera is so-called live mode.

In this mode, recordings are triggered via the motion sensors.

To set live mode, slide the operating mode selector switch to the "ON" position. After a few seconds the red LED of the motion display will go off.

Then the camera will start to operate independently and will go into standby mode. As soon as any wild animals or similar enter the detection range of the central sensor zone, the camera will start capturing photos and/or videos (depending on the configuration).

If wild animals enter the detection range of the side motion sensors, these will detect the motion and activate the camera.

If the wild animals continue to move in front of the front motion sensor, the camera will carry on taking photos/videos.

When the wild animals leave the detection range of the side motion sensors, the camera switches off and goes back into standby mode.

Night exposures

During night exposures the infrared LEDs on the front of the camera provide the required light for taking picture possible. The LEDs emit light over a wide angle. This makes it possible to taking picture at a distance of about 3 m to 20 m without overexposing the subject at night. However, reflective objects such as traffic signs can cause overexposure if they are located within the recording range. Please note that night exposures are made in black and

white. When record a video for a long time in the evening, the low voltage may have great influence on the stability of the machine, so in case of the low voltage, you cannot record video in the evening.

Displaying recordings on the screen

To display recordings on the screen, the camera and the tree mounting should not be connected to each other.

Slide the operating mode selector switch to the "SET" position. Now you will see the live picture from the camera. Press the ok/replay button to activate media playback.

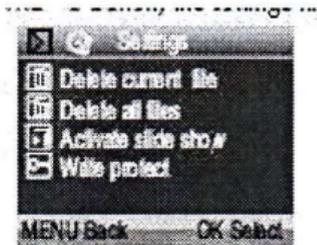
You can use the up/down buttons to scroll through the recordings and view them on the display.

Press the left button to zoom in on the image on the display. Press the right button to zoom out again. Press the up or down button briefly to move the image section up or down. Hold down the up or down button to move the image section sideways.

If the image is zoomed, the corresponding zoom factor is also shown on the display.

If the currently selected recording is a video, press the right button to play back the video. Press the right button again to stop the video.

If you press the left button, the video will run backwards to the beginning.



If you now press the MENU button, the settings menu opens:

If you do not select an option within three minutes, the menu will close automatically.

◆ Press the up / down buttons to select the desired menu entry which you can then activate with the OK button. Use the MENU button to navigate one menu level backwards.

Delete selection

You can use this function to delete individual recordings from the memory card . After you have called up this function, move the select bar to "Delete" and press OK to delete the selected recording.

Delete all recordings

You can use this function to delete all recordings from the memory card . After you have called up this function, move the select bar to "Delete" and press OK to delete all recordings.

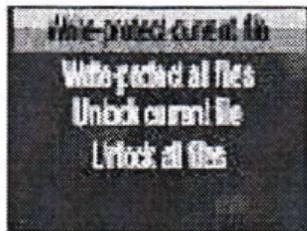
Activate slide show

This function can be used to play back the photos stored on the memory card automatically. Each photo is shown for about 2 seconds. To stop the slide show and keep the current image permanently on the screen, press the OK button.

Write protection

This function can be used to protect individual recordings or all saved recordings from accidental deletion.

- ◆ Select "Write-protect current file" to protect the currently selected recording from accidental deletion.
- ◆ Select "Write-protect all files" to protect all saved recordings from accidental deletion.
- ◆ Select "Unlock current file" to remove the write protection for the currently selected recording.
- ◆ Select "Unlock all files" to remove the write protection for all saved recordings.

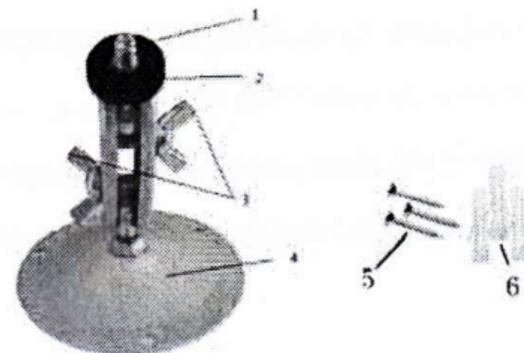


Using the wall bracket

You can mount the camera permanently on a wall or tree using the supplied wall bracket. Before mounting the wall bracket you should ensure that all existing screws are tight. The best installation height distance from the ground about 1 meter.

Components

1. Tripod screw
- 2 Lock nut
- 3 Pivot bolts
- 4 Drill holes
- 5 Screws



6 Wall plugs

Mounting the wall bracket Required tools

- Drill
- 6 mm masonry/concrete drill bit
- Phillips head screwdriver

CAUTION

- ▶ Ensure that there are no electric lines, water or heating pipes installed at the proposed drilling location!
- ▶ The supplied wall plugs are only suitable for mounting on concrete or stone. Before starting the installation, please check

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your installation location carefully for its suitability for the plugs. The assembly material used must be suitable for the respective location. If in doubt, consult a professional.

- ◆ Mark the drill holes by holding the foot of the wall bracket at the desired mounting location and marking the hole positions.
- ◆ Use a drill with a 6 mm drill bit to drill the required holes and insert the plugs and insert the wall plugs flush with the wall.
- ◆ Screw the wall bracket to the wall using the supplied screws .
- ◆ Mount the camera on the tripod screw and screw the camera a little way on (about three turns).
- ◆ Turn the camera in the desired direction and lock it with the lock nut .
- ◆ To move the camera into its final position, undo the two pivot

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bolts a little, position the camera and fix the position by tightening the two pivot bolts .

Showing recordings on an external monitor

Attach the mini jack plug of the supplied video cable to the TV out socket of the camera and the cinch plug to the video input of a TV set or the like. As soon as the mini jack plug is connected to the TV-out socket , the built-in screen is deactivated and the image is played back via the TV-out output . The operating mode selector switch must be set to the SET position.

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Transferring recordings to a computer

Connect the mini USB plug of the supplied USB cable to the USB port on the camera and the USB plug to a free USB 2.0 port of a switched-on computer. This will now recognize the device as " mass storage" . When you have confirmed this message of the camera with "OK", the camera connects to the computer and the content of the TF memory card will appear as a new drive on the computer. Now carry out the required file operations.

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Cleaning

Damage to the device!

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► To avoid irreparable damage, ensure that no moisture penetrates the device during cleaning.

■ Clean the surfaces of the device with a soft, dry cloth. Use a normal commercial detergent and water to remove stubborn residue. Ensure that no water gets into the device.

■ Always keep the seal between the camera housing and the tree mounting clean so that no moisture gets into the device and damages it. Contamination of the seal can impair the dust and water spray protection .

■ Always keep the base plate seal that protects the connection socket for the mains adapter clean.

■ Clean the seal regularly with a little Vaseline to keep it malleable. This is the only way to ensure that the interior of the device is adequately protected from moisture.

■ If you need to replace the seal, contact customer service.