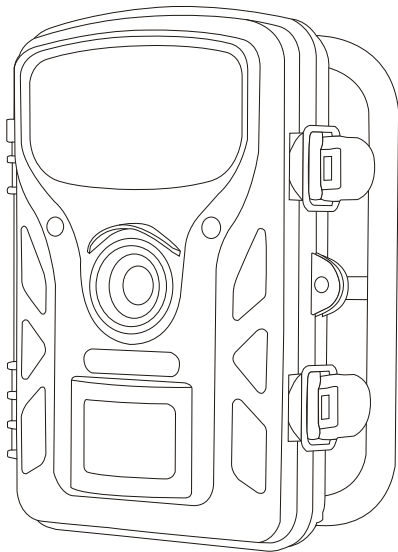


# Instruction Manual

## Wildlife Camera



**16.0**

16 Megapixel

**IP66**

Waterproof

**2.4"**

TFT-LCD

**0.5S**

Trigger time

**90°**

90° total PIR angle



Full HD  
Video function



Dear customer,

Congratulations on purchasing a high quality product.

You have purchased a modern Wildlife Camera with excellent technical features and respective accessory that is particularly easy to operate. Please study all notices carefully and diligently.

Please study this information in detail observing, in particular, the safety instructions.



**Note:**

- Remove the protective foil from the camera lens by pulling the protruding tab.
- Caution! Keep plastic foil and bags away from babies and small children, as otherwise danger of suffocation.

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## 1. FAQ:

**Problem:** The camera only record video at daylight, it doesn't work at night?

- Solution:**
1. Please check whether your battery is dry and full of energy. If not, please use some new batteries for your camera.
  2. Please check whether you have set the timer. For example, if you set the timer from 6:00 to 18:00, then it only works at daylight and doesn't record videos at night. So you should set the timer for 24 hours.
  3. If the problem still can't be resolved, please format the camera to default setting and format your SD card, then all the problems will be resolved.

**Problem:** The sensor doesn't work or it's not sensitive?

- Solution:**
1. Please check whether you attached your camera to a good location. If you want to record some little animals, please measure whether the height is reasonable.
  2. Please check the time interval. For example, if you set it to 60 seconds, then the camera will take pictures for each 60 seconds, if you want to get more pictures, please set it to 1 seconds.

**Problem:** The camera doesn't work or can't switch on?

- Solution:**
1. Please check whether your battery is AA battery and full of energy and dry.

**Problem:** The camera doesn't take pictures or videos?

- Solution:**
1. Please check whether your battery runs out.
  2. Please check whether you attached it to a good location.
  3. Please check whether there is some animals in the sensor range.
  4. Please attach it to a good location.

## 2. Hazard, safety and warning notices

Incorrect use of the camera and accessories can be dangerous for you and others and can damage or destroy the camera. We therefore ask you to read and strictly observe the following **Hazard, safety and warning notices**.

### Intended use

- This camera is intended for taking digital photos and video clips. It has been designed for private use and is not suitable for commercial purposes.

### Hazards for children and persons with limited ability to operate electronic equipment

- **The camera, accessory and packaging are not toys for children.** These should therefore always be kept away from children. Danger of electrocution, poisoning and suffocation.
- The camera and accessory may not be used by **children and persons with limited abilities**. The camera may only be operated by persons physically and mentally able to operate it safely.

### Electrical hazard

- Switch off **the camera and remove the batteries if a foreign body or liquid has entered the camera**. Let all parts dry thoroughly. Otherwise danger of fire or electrocution
- **Switch off the camera and remove the batteries** if the camera **has been dropped** or the **housing is damaged**. Otherwise danger of fire and electrocution.
- The camera may **not be dismantled, modified or repaired**. Danger of fire and electrocution.
- Only use a **power adaptor (not supplied) with the mains voltage specified on the rating plate (6V)**. Otherwise danger of fire or electrocution. Disconnect the power by **pulling the power adaptor out of the socket**.
- A plugged in power adaptor (not supplied) can continue to use power and therefore represents a hazard source.
- The power supply may not be used during **thunderstorms**. Otherwise danger of electrocution.

### Damage from heat-fire hazard

- **Do not leave the camera in places that are susceptible to considerable increases in temperature** (e.g. a vehicle). The housing and internal parts may be damaged, which in turn could cause a fire.

- **Do not wrap up camera or place on textiles.** This could produce a build up of heat in the camera that can cause deformation of the housing and may represent a fire hazard.

## Injuries and material damage

- **Only place the camera on sturdy surfaces.** The camera could otherwise fall or topple over, causing damage or injury.
- **Do not operate the camera whilst running or driving.** You could fall or cause a traffic accident.
- **Only use a mains adaptor (not supplied) for the camera, having the input voltage specified on the rating plate (6V).** We do not accept any liability for damage caused by the use of an incorrect mains adaptor.
- The 230V socket **used for the mains adaptor** (not supplied) must not be covered and accessible at all times so that the mains adaptor can be quickly disconnected from the mains, when required.
- Ensure adequate ventilation and do not cover the mains adaptor (not supplied) to avoid overheating.
- Do not place any open ignition sources, such as lit candles onto or close to the device.
- Do not subject **the LCD monitor to impact or pressure.** This could damage the glass of the monitor or the liquid could leak from the inside. In case of contact with eyes or skin, rinse immediately with clear water. In case of contact with eyes contact a doctor immediately.
- **Damage** to the electronics, the monitor or the lens caused **by external influences** such as impacts, falls or other are not covered by the warranty and must be paid for.
- **Do not drop or bump the camera** and always handle it carefully. Otherwise the camera can be damaged.

### 3. Introduction

The Wildlife Camera is a wildlife and surveillance camera with a PIR sensor. The sensor can detect sudden changes to the ambient temperature within an evaluation area. The signals of the highly sensitive infrared sensor (PIR, passive infrared sensor) switch on the camera, activating picture or video mode.

Features of Wildlife Camera:

- 1/4" CMOS sensor.
- During day, sharp and clear colour images and during night time clear black and white images.
- Extremely low power consumption in standby operation providing extremely long operating times (in standby mode up to 6 months with 8 AA batteries).
- The unique sensor design offers a wider angle of detection and improves the response time of the camera.
- Possible use under extreme temperatures of between -20° C to 60° C.
- Compact size (approx. 13.5 x 9.7 x 6.7cm). Ideally suited for covered use.
- Impressively quick shutter release time (0.5 seconds).
- Spray water protected according to standard IP66.
- The easy to operate securing strap allows quick assembly and alignment of camera.
- Using the serial number function, locations can be encoded on photos. Where several cameras are used, this function allows easier identification of locations when viewing photos.
- Date, time, temperature and moon phase can be displayed on the images.
- Lockable and password protection.
- Alarm in case of low battery level.

#### Areas of application

- Camera trap for hunting.
- Animal or incident observation.
- Motion triggered security camera for domestic, office or public use.
- Any internal and external surveillance, where evidence of an infringement has to be provided.

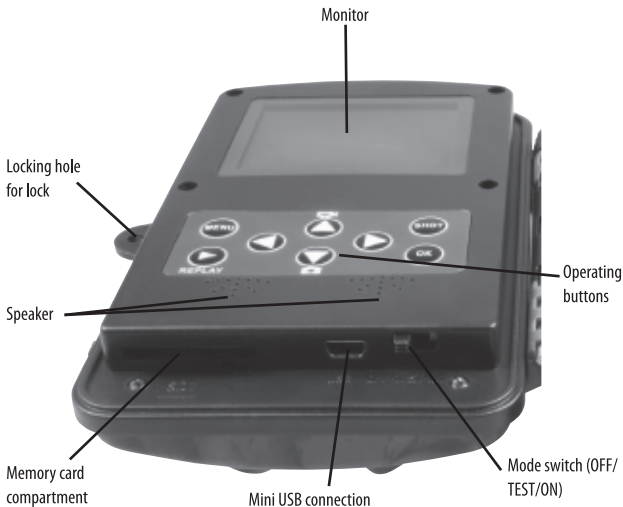


## 4. Your camera

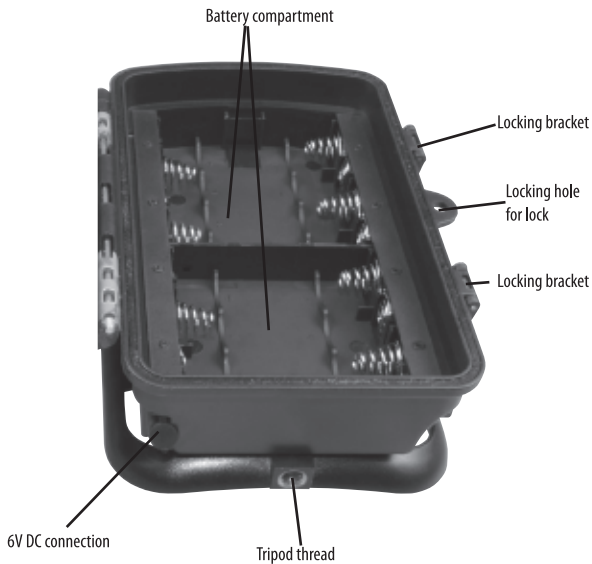
### 4.1. Front view



## 4.2. Inside views



- The **monitor** is only switched on in the Test mode for changing menu settings or viewing existing photos and videos.
- Using the **operating buttons**, menu settings can be changed in the test mode or existing photos and videos can be played back.
- An SD or SDHC memory card **must have been inserted into the memory card slot** in order to save photos and videos.
- Using the **mini USB connection** (USB 2.0), the camera can be connected to a computer, in order to download photos and videos.
- Using the **mode switch** the three operating modes OFF, TEST and ON can be selected.

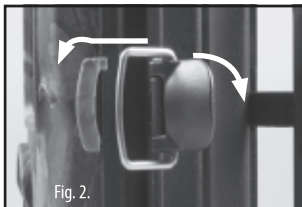
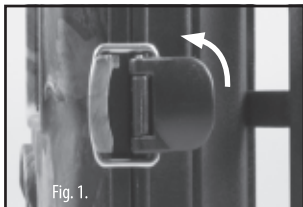


- **Battery compartment** : Insert 8 type LR6 (AA) batteries as shown.
- An external power supply can be provided via the **DC connection** (input 6 V, at least 1.5 A. Mains adaptor is not included.)

## 5. Preparing the camera

### 5.1. Opening and closing the camera

Operating buttons, connections and batteries are located inside the Wildlife Camera.



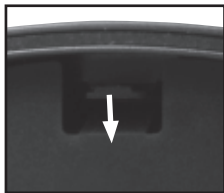
To open the camera undo the two lateral locking brackets as shown in Fig. 1.

To lock the camera again, engage metal hoops of locking brackets into mount and press down plastic tab of bracket (Fig. 2).

A fixing for a padlock is provided between the two locking brackets, allowing the camera to be securely locked.

### 5.2. Inserting the batteries

Open the camera as described in section 6.1 to insert the batteries. The battery compartment is housed in the right, rear part of the camera. Now open the protective cover of the battery compartment by pulling the clamping closure at the top slightly inwards before lifting off the cover.



First remove any existing batteries from the battery compartment. Insert 4 or 8 fully charge batteries as shown in the below figure. When inserting batteries ensure correct position as marked for each battery in the battery compartment.

**Note:**

- Instead of type LR6 (AA) batteries, rechargeable batteries with the same specification (with 2000 mAh or higher) may be used. We recommend NiMH batteries with low self discharge (not supplied).
- An alarm is sounded if battery charge is too low.

### 5.3. Inserting the memory card

A memory card must have been inserted in order to save photos and videos. Insert a SD/SDHC memory card in the memory card compartment before switching on the camera.

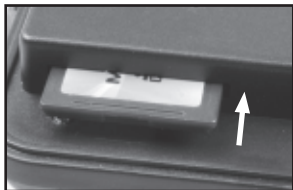
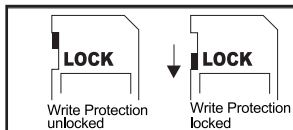
Switch off the camera and open as described in section 6.1.

Prior to inserting the memory card ensure that the lateral write protection on the memory card has not been activated (see figure).

If the camera displays "Card protected", remove the memory card and change the position of the memory protection.

Insert the memory card as shown in the adjacent illustration. Push the memory card into compartment until it clicks into place.

To remove the memory card push card in again until it is partly ejected.

**Note:**

- SD/SDHC memory cards up to a capacity of 32 GB are supported.

## 5.4. External power supply

The camera can be operated using power from an external power supply. A 6 V power supply with at least 1.5 A is required containing a connector with a 3.5 mm external and 1.35 mm internal diameter (internal plus pole, external minus pole).

Rechargeable batteries cannot be recharged in the camera using an external power supply.



## 5.5. Assembly with strap

Use the securing strap supplied to attach the Wildlife Camera to a tree or another object. The illustrations below demonstrate how to fasten the securing strap.



Position the Wildlife Camera as desired and pull the loose end of the securing strap tight until the camera is firmly secured.

To release the securing strap again, pull at the tab of the securing strap.

## 6. Using the camera

Prior to setting up the camera for surveillance, it must be set up for the respective purpose. For this purpose, there is a test mode available. In addition to changing settings, photos and videos can be taken and existing photos can be viewed in this mode.

### 6.1. Mode switch

Open the camera as described in section 6.1. The Mode switch is located at the bottom edge on the left inside. 3 operating modes can be selected:

- **OFF:** The camera is completely switched off in the OFF mode.
- **TEST:** Select TEST mode to adjust settings and make or playback photos and videos.
- **ON:** The camera is activated to take photos automatically (Live mode).



### 6.2. Operating buttons





Set the mode switch to TEST and the camera and monitor are switched on.

Using the operating buttons different functions can now be activated and settings can be changed. For this purpose, the following operating buttons are provided on the display panel:







## Functions of operating buttons in recording mode

Below, the operating buttons are described in the recording mode with non activated menu.

- **MENU**: Open the Settings menu using the MENU button.
- **REPLAY**: Press this button to start the replay mode.
- : Change to the manual recording mode for video recordings.
- : Change to the manual recording mode for taking photos.  
**SHOT**: Manually take a video or photo depending on the set recording mode. Video recordings are also ended by pressing the SHOT button.
- **OK**, , : No function (in recording mode).


## Functions of operating buttons in replay mode

Below, the operating buttons are described in the replay mode with non activated menu.

- **MENU**: Select the Replay menu using the MENU button.
- **REPLAY**: Press the button to return to recording mode.
- : View existing pictures backwards.
- : View existing pictures forwards.
- : Enlarge photos in increments (up to 16 times).
- : Decrease enlarged photos in increments
- **OK**, **SHOT**: Start and end replay of videos.

## Functions of operating buttons in menu

Below, the operating buttons are described in the replay mode with activated menu. (Recording and Replay mode).

- **MENU**: Close the Main menu or any sub menu by pressing the MENU button.
- : Move up one menu point or increment value by 1.



■ ▼ : Move down one menu point or decrease value by 1.

■ ► : Enlarge displayed photos in increments (up to 16x).

■ ◀ : Decrease enlarged photos in increments.

■ OK : Open selected options or accept selected settings.

Confirm each change to a setting by pressing **OK**. If the change is not confirmed by pressing the **OK** button, the new settings are lost when leaving the menu.

■ **SHOT, REPLAY**: No function (in replay mode).

### 6.3. Settings

Prior to using the Wildlife Camera, change the settings as required.

Slide the mode switch of the Wildlife Camera to the TEST position to start the test mode. In the Photo or Video mode press the MENU button to call up the menu.

All menu options of the Wildlife Camera and possible setting values for the **recording mode** are listed below.

The standard setting is always highlighted in **bold**.



- **Mode:** Camera, Video, Camera + Video

Select whether photos or videos should be taken when motion is detected. When in the "Camera + Video" mode, the camera first takes a set number of photos prior to recording a video.

- **Photo size:** 16M, 12M, 8M, **5M**, 3M, 1M

Select the desired resolution for photos.

A higher resolution produces a somewhat better photo quality but results in larger files requiring more space on the memory card.

- **Video size:** 1080P (1920 x 1080, 30fps), 720P (1080 x 720, 30 fps), WVGA (848 x 480, 30 fps), VGA (640 x 480, 30 fps)

Select the required video resolution.

A higher resolution produces higher quality videos but results in larger files requiring more space on the memory card. Videos are recorded in AVI format which can be played back on most video equipment.

- **Picture No.:** 1 photo, 2 photo, 3 photo

Select the number of photos to be taken in succession when the camera is triggered in the Photo mode. Please also observe the parameter Interval!



#### Note:

- 1M, 3M, 5M can choose 1 photo, 2 photos, 3 photos;  
8M can choose 1photo, 2 photos, but 3 photos not available;  
12M, 16M can choose 1photo, but 2 photos, 3 photos not available.

- **Video length: 10 sec(onds)**, optional 1 - 60 seconds and 3, 5 and 10 minutes  
Specify the duration of a video recording when the camera is triggered automatically. The recording period for videos is not limited in the Test mode.
- **Interval: 30 sec(onds)**, optional from 5 seconds to 60 minutes  
Select the shortest period for the camera to wait before it reacts to the successive triggering of the main sensor after an animal has first been detected. The camera does not record any images or videos during the selected interval. This prevents the memory card from being filled with unnecessary shots.
- **Time stamp: On/Off** (only available for photos, not for videos)  
Select "ON" to print the date, time, temperature and moon phase on each photo. Otherwise select "Off".
- **Time switch: Off/On**  
Set timer to "On" if camera should only be active within a certain time. Once "On" has been confirmed with the **OK** button, the start and end time can be set.  
If the start time is, for instance set to 18:35 hrs and the end time to 8:25 hrs, the camera will be operational from 6:35 pm of the current day until 8:25 am of the following day. The camera will not be triggered and will not take any photos or videos outside of this period.
- **Password Set: Off/On**  
After selecting "On" enter a four digit password to protect your camera against unauthorised access. This password must be entered each time the camera is switched on in the Test mode before the camera can be used.



### Note:

- If you forgot your password, please unlock the camera with password "OPEN".

- **Serial no. Set: Off/On** (can only be used for photos not for videos)

Select "On" to assign a serial number to the camera. As soon as "On" has been confirmed by pressing the **OK** button, the individual serial number can be inserted.

You can use a combination of 4 digits and letters to document the location on the photos (e.g. YSP1 for Yellow Stone Park). When using several cameras this makes it easier to identify the location when viewing photos.

- **Time lapse: Off/On**

When "On" has been selected, the camera automatically takes photos or videos in the selected time interval, irrespective of whether or not the PIR sensor has detected a motion or not. This is useful for observing cold blooded animals e.g. snakes or plants opening up, etc.

As soon as the "On" setting has been confirmed by pressing the **OK** button, you can enter the interval time after which photos and videos are to be taken.

- **Language**: Select the desired menu language

The following languages are available: **English**, German, Danish, French, Italian, Dutch, Spanish, Hungarian, Portuguese, Chinese.

- **Format: No/Yes**

All files are deleted by formatting the memory card. Press **OK** button and confirm formatting by selecting "Yes".

We recommend formatting the memory card if it has already been used in other devices or if it is a new card.

Caution: Ensure that files still required have been backed up prior to formatting!

- **Set clock**: Set date and time

Press **OK** button to set date and time. Using the ◀ and ▶ buttons to skip between values and change selected values by pressing the ▲ and ▼ buttons. Confirm your setting by pressing the **OK** button.

- **Default set: No/Yes**

Press "Yes" to reset the camera settings to the default values and confirm the selection by pressing the **OK** button.

- **Auto power off: 3min/5min/10min/off**

With this function you can determine whether the camera should be automatically switched off when not used for some time in the Test mode. Set the time after which the camera should be switched off in the Test mode or deactivate automatic switch off by selecting "OFF".

The camera can be switched on again by pressing any operating button.

- **Beep Sound: Off/On**

- **Volume Rec: Off/On**

- **Volume play: Low/Normal/High**

Select with which volume audio recordings are to be played back.

- **System:** There are two available options:

**FW Update:** If the memory card contains new firmware this can be installed by confirming the option by pressing the **OK** button.

During the update the respective status is shown on the display.

**FW Version:** Shows the firmware version installed on the camera.

In **replay mode** the option **Delete** is available in the menu.

- **Delete:** Select the "Delete" option to remove individual or all photos from the memory card thus making storage room for new photos.

**Single:** Using this option you can delete individual photos. After selection the option by pressing the **OK** button, the photo to be deleted is shown. You can toggle between photos using the buttons ◀ and ▶ . As soon as the deletion of a photo has been confirmed by pressing "Yes", the photo is deleted and the next photo is displayed. To end the deletion process, select "No" and confirm by pressing **OK**.

**All:** Select option "All" to delete all photos on your memory card. To confirm deletion of all your photos, select "Yes" and press the **OK** button. Select "No" to interrupt the deletion operation.

## 6.4. Night recording

During night recording the infrared LEDs (IR LEDs) at the front of the Wildlife Camera provide the light required for taking photos.

Wildlife Camera uses IR LEDs with a long wavelength, to keep red light to a minimum. The provided number of IR LEDs generates a high deflection angle thus allowing night recording at a distance of 3 m to 20 m, without overexposing the object. Reflecting objects can, however, also cause overexposure within this range (e.g. road signs).

Please note that night recording using IR LEDs produces black and white images.

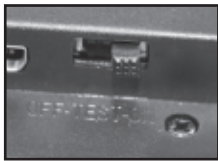


## 6.5. Setting up the Live mode

The standard application of the Wildlife Camera is the Live mode. When in this mode, photos are either triggered by movement sensors or at intervals according to the respective setting.

To set up the Live mode, switch mode switch to ON position.

The red status LED flashes for approx. 5 seconds after which the camera operates automatically and enters the Standby mode. As soon as wild animals or other objects directly enter the detection area of the sensor zone, the camera starts to record photos and videos.

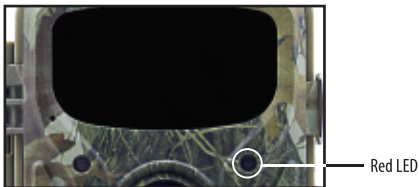


## 6.6. Aligning the camera

The Test mode is advantageous for determining the best possible detection angle and range of the movement sensor. For this purpose attach the camera at approx. 1-2 m height to a tree and align the camera with a desired direction.

Move slowly from one side of the observed area to the other. Move parallel to the camera. Try out different angles and distances.

- The red LED on the front of the camera indicates that you were detected by the sensor zone.



In this way you can determine the best position for aligning the camera.

The LED only lights up in the Test mode as soon as one of the sensors has detected movement. The LEDs do not light up when in Live mode.

In order to prevent incorrect signals and unnecessary photos, we recommend not using the camera at sunny points and check that no branches are in the active area of the sensor. Optimum alignment is in North or South direction. The detection range of the sensors is approx. 60°.

Also check that the camera is set to the correct height in line with the point to be observed. Where necessary, point the camera down for optimum alignment.



**Note:**

- Wildlife Camera corresponds to protection class IP 66. The camera is protected against dust and spray water and can thus be used in any weather condition.

## 6.7. File format

The Wildlife Camera stores photos and videos on the memory card in the folder "\\DCIM\100MEDIA".

Photos are given a file name with extension "JPG" (Example "SUNP0001.JPG"), videos are given the extension ".AVI" (Example: "SUNP0002.AVI").

When in TEST and OFF mode use the enclosed USB cable to transfer files onto the computer. Alternatively you can insert the memory card in a card reader on the computer.

The video files can be played with most standard programs, such as Windows Media Player, QuickTime etc.

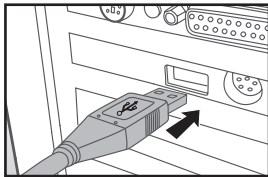
## 7. Connecting to computer

The Wildlife Camera can be connected to a computer using the supplied USB cable to view existing photo/videos.

### System requirements

Windows®	Macintosh
<ul style="list-style-type: none"><li>■ Pentium® III or higher</li><li>■ Windows® XP/Vista/7/8</li><li>■ 512 MB RAM</li><li>■ 1GB available hard disk space</li><li>■ Screen resolution 1.024 x 768 or higher</li><li>■ Available USB connection</li></ul>	<ul style="list-style-type: none"><li>■ PowerPC G3/G4/G5</li><li>■ OS 10.3.9 or newer system</li><li>■ 512 MB RAM</li><li>■ 1GB available hard disk space</li><li>■ Screen resolution 1.024 x 768 or higher</li><li>■ Available USB connection</li></ul>

1. Connect the camera to your computer using the USB cable.
2. The camera switches on automatically in the USB mode, irrespective of the selection on the mode switch.
3. The camera installs itself on the computer as an additional drive under the name "Removable storage device".
4. Double click on the device to detect the folder "DCIM".
5. The photos and videos are located in the sub folders of the "DCIM" folder.
6. You can copy or move photo and video files on the computer.



Alternatively you can insert the memory card in a card reader on the computer.



#### Note:

- Mac computers show an "Unknown" drive on the desktop. When clicking on this drive, the program "iPhoto" is automatically started.

## 8. Technical specification

Element	Description
Image sensor	1/4" CMOS sensor
Photo resolution	16M, 12M, 8M, <b>5M</b> , 3M, 1M
Screen	2.4" ; 240(RGB)*320 DOT; 262K color
Recording medium	Supports SD/SDHC memory cards up to 32 GB (optional)
Video resolutions	1920 x 1080 (30fps), 1280 x 720 (30 fps), 848 x 480 (30 fps), 640 x 480 (30 fps)
Lens	F=3.1; F/NO=2.6; FOV=73°; Auto IR filter
Effectiveness	Daytime: 1 m - infinite; Night time: 3 m- 20 m
Triggering distance	up to 20 metres
Triggering time	approx. 0.5 second
IR flash	28 pcs infrared LEDs for night shots (range 20m)
Detection angle of sensors	90°
Spray water protected	Yes (IP protection class66)
Storage formats	Photo: JPEG; Video: AVI Motion JPEG
Connections	Mini USB 2.0
Power supply	8x NiMH batteries type LR6 (AA) with low self discharge; external 6V power supply, at least 1.5 A (not supplied)
Standby time	approx. 6 months (with 8 batteries)
Dimensions	approx. 135 (H) x 97 (B) x 67(T) mm



### Note:

- Design und technical specification are subject to change.



## 9. System information, Maintenance and Disposal

### Trademark information

- Microsoft® and Windows® are trademarks of Microsoft Corporation registered in the US.
- Pentium® is a registered trademark of Intel Corporation.
- Macintosh is a trademark of Apple Computer Inc.
- SD™ is a trademark.

Other names and products can be trademarks or registered trademarks of the respective owners.

### 9.1. Care

Do not use any corrosive cleaners, such as methylated spirits, thinners, etc. to clean the camera housing and supplied accessory. When required, the clean system components with a soft dry cloth.

### 9.2. Storage

Always remove the battery from the housing if the camera is not being used for some time and store the battery separately. On a day to day basis and over longer periods the batteries can be kept at a dry location out of the reach of children.

### 9.3. Disposal

For disposal, separate packaging into different types and dispose of in line with environmental regulations in supplied collection containers. Batteries and storage batteries may not be disposed of in domestic waste. Consumers are obliged by law to return used batteries to communal collection points or dealers selling batteries. Storage batteries and batteries do therefore contain the adjacent symbol.

Correct disposal of product:

The adjacent symbol indicates that electrical and electronic equipment may not be disposed of in domestic waste in the EU. Please use the returns and collection points of your local council or contact your dealer you purchased the product from. This prevents potentially harmful effects on the environment and health as a result of incorrect disposal. For further information contact the respective department of your local council.





