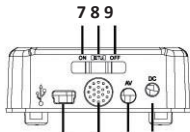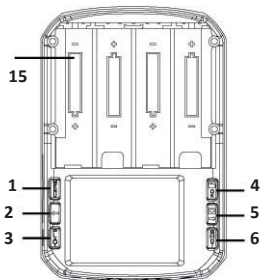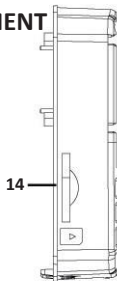# SOLIGHT

## DESCRIPTION OF EQUIPMENT

1. MENU button
2. Left arrow
3. PLAY button
4. OK button
5. Right arrow
6. SHOT button
7. ON switch position
8. SETUP switch position
9. OFF switch position
10. USB connector
11. Speaker
12. AV connector
13. DC connector
14. SD slot
15. AA batteries

## INSERTION OF BATTERIES

Remove the battery compartment cover and insert four 1.5V AA batteries into the battery compartment. When inserting, make sure to observe the correct polarity, which is marked on the bottom of the battery compartment. Replace the cover.

When replacing, first remove the dead batteries and then insert the new ones.

**Note**

Do not insert a dead battery and a new battery at the same time or use different types of batteries at the same time. If you will not be using the photo trap for a long period of time, remove the batteries to prevent damage in the event of an electrolyte leak.

**Warning**

Do not short-circuit or otherwise damage the battery. Never throw the battery into a fire. Discharge the battery and dispose of it in an environmentally friendly manner. Do not dispose of batteries in mixed waste.

## INSERTING AN SD CARD

Insert the SD card into the photo trap before turning it on. Insert the SD card into the slot. When inserting, make sure to insert the card correctly. The illustration next to the slot shows how to insert the card correctly. If the SD card is not inserted correctly, an "X" will appear in the upper corner of the display.

Do not insert or remove the SD card while the photo trap is in operation.

The photo trap supports high-speed SD cards class 10 and higher. Format the SD card before use. Regular use, as well as improper use, will shorten the life of the SD card and may cause data corruption. If the SD card is damaged, replace it.

## USE OF PHOTO TRAPS

A slide switch is used for basic control of the photo trap.

**OFF** position      the photo trap is switched off.

Position **ON**      After the countdown is complete, the photo trap starts recording the surroundings in the previous setting.

**SETUP** position      The photo trap is in system setup mode.

## PHOTO TRAP SETTINGS

Move the slide switch to the **SETUP** position and press the **MENU** button. Adjust the parameters of the photo trap according to your personal preferences. Use the left and right arrow keys to move through the settings and change the parameters.

Press **OK** to confirm the change. To exit the settings, press the button **MENU**.

**Note**
If you do not press the OK button, the settings you have made will not be saved.

| Settings item | Option | Description |
|---|---|---|
| **Mode**<br>(Mode) | Photo<br>Video<br>Photo + video | Select the photo trap mode. |
| **Photo resolution**<br>(Photo resolution) | 24 MP (6528x3672)<br>20 MP (6144 x 3456)<br>16 MP (5376 x 3024)<br>12 MP (4608 x 2592)<br>8 MP (3840 x 2160)<br>5 MP (3072 x 1728)<br>3 MP (2304 x 1296)<br>1 MP (1280 x 720) | The higher the resolution, the higher the quality of the photo, but the larger the file and the more space it takes up on the SD card. |
| **Photo series**<br>(Continuous shooting) | 1 Photo<br>2 photos<br>3 photos | The number of photos taken when the shutter button is pressed. |
| **Video resolution**<br>(Video resolution) | 1080P / 30 fps<br>(1920 x 1080P)<br>720P / 30 fps<br>(1280 x 720P)<br>480P / 30 fps<br>(720 x 480P)<br>VGA / 30 fps<br>(640x 480P) | The higher the resolution, the higher the quality of the photo, but the larger the file and the more space it takes up on the SD card. |

| Settings item | Option | Description |
| --- | --- | --- |
| **Video length** (Video length) | From 3 seconds to 10 minutes | We recommend setting the video length to 10 seconds. The longer the upload time, the more power is consumed and the file takes up more space in the SD card memory. |
| **Audio recording** (Audio recording) | ON - sound will be recorded OFF - sound will not be recorded | The default setting is "ON". |
| **Shot lag** (Recording interval) | From 5 seconds to 59 minutes | When the shutter button is pressed, the photo trap will not take photos or recordings for a set period of time. This prevents the SD card from being filled with duplicate files. |

| Settings item | Option | Description |
|---|---|---|
| **Sensitivity motion sensors** (Sensor sensitivity) | Low (low) Medium (medium) High (high) | PIR sensor sensitivity is dependent on the ambient temperature. The "HIGH" setting is more suitable at higher temperatures. The "ME- DIUM/LOW" setting is suitable for lower temperatures. This setting is not available if you select Time Lapse mode. |
| **Target recording time** (Target recording time - timer) | ON - on OFF - off | Select "ON" and the photo trap will operate every day at a certain time (set the desired time). The default setting is "OFF". |

| Settings item | Option | Description |
|---|---|---|
| **Time Lapse** (Time-lapse) | ON - on OFF - off | Select "ON" and the photo trap will automatically take photos/videos according to the set interval. This setting is particularly suitable for recording cold-blooded animals (e.g. snakes) or for recording plant growth. Note: If you select "ON", the PIR setting will not be active. |
| **Language** (Language) | English (English), German (German), French (French), Italian (Italian), Spanish (Spanish), Czech (Czech) | Select your preferred language. |

| Settings item | Option | Description |
|---|---|---|
| **Time & Date** (Time and date) | 1. Set the clock and date. 2. Set the clock format. 3. Set the data format. | 1. Setting the clock: use the left/right arrow keys to set the clock and date. 2. Clock format: select 24-hour or 12-hour format. 3. Data format: select your preferred data format. |
| **Photo stamp** (Stamp photos) | 1. Time&Date (Clock & Date) 2. Date. 3. OFF - no time stamp. | 1. Select "Time&Date" (clock and date) and the moon phase, humidity, temperature, °F, date, hour of origin, serial number, etc. will be displayed. 2. Select "Date" and the clock will not be displayed. 3. Select OFF and no time stamp will appear. |

| Settings item | Option | Description |
|---|---|---|
| **Password protection** (Password protection) | ON - password must be set<br>OFF - settings will be without password | You can set a 4-digit input password of the digits 0-9 and the letters A-Z to prevent unwanted access to the photo trap settings. If you forget the password, make sure the photo trap is switched off and press the left arrow at the same time. and the PLAY button. Then slide the switch to the SETUP position and the photo trap will be unlocked. |
| **Beep sound** (acoustic signal) | ON - on OFF - off | The default setting is "ON". Select "OFF" to turn off the button soundtrack. |

| Settings item | Option | Description |
|---|---|---|
| **Format memory card** | Yes - yes, the memory card will be formatted. No - it won't. | Formatting will delete all files on the tab.<br>**Note:** Before using the SD card for the first time, format it. |
| **Serial NO** (Serial No. ) | ON - on OFF - off | Set the 4-digit photocell identification code from the digits 0-9 and the letters A-Z. Once set, photos/videos will display the photo trap identification code. |
| Reset **settings** | Yes (Yes) No (No) | Select "Yes" and the settings will be restored from the factory. All settings you have made will be erased. |
| **Version** (Version) | Current version of the photo trap | Current version of the photo trap. |

## SELECTION OF THE INSTALLATION LOCATION OF THE PHOTO TRAP

Verify that the photo trap is effectively recording the selected area. Set the switch to the "SETUP" position. In the selected area, try different distances and angles so that you can move around the area around the photo trap repeatedly. The LED lights will flash to indicate that you are within the viewing range. Once the LED lights stop flashing, you are out of the monitored range.

This testing will help you determine the best place to install the photo trap. The height from the ground depends on the size of the game you want to record. The recommended height from the ground is between 90 and 180 cm (but it is up to you which height you choose). Make sure that the photo trap is not interfered with by any radio equipment, is not in direct sunlight, and is not obstructed by any branches or bushes.

## OPERATION OF THE PHOTO TRAP

Turn the switch to the "ON" position. After 5 seconds, the display will turn off and the photo trap will switch to standby mode. As soon as an animal enters the monitored area, the sensor detects it, the photo trap activates and automatically starts taking pictures or recording. When the animal leaves the monitored area, the photo trap automatically switches off and enters standby mode.

## NIGHT MODE

If the photo trap is activated at night, the infrared light is automatically switched on to illuminate an area of 3-20 metres. If the animal is too close to

the photo trap, the photo or footage will be overexposed.

## VIDEO AND DATA TRANSMISSION

### Connecting to TV

Play the video footage on a connected TV.

Switch on the TV and connect the photo trap to the TV via the AV cable.     Once connected, the display of the photo trap will switch to power saving mode and the files can be played on the TV display.

### Connection to PC

When connected to a PC, the photo trap appears as an external drive from which you can run videos/photos or download them to your PC (directory "DCIM/100MEDIA").

**Note**
Do not disconnect the cable or insert/remove the SD card during data transfer. Otherwise, there is a risk of data loss.

## BATTERY LIFE

The battery life in the photo trap is between 3 - 6 months. It depends on the quality and capacity of the batteries, the frequency of use of the photo trap, and the environment in which the photo trap is placed.

## TECHNICAL PARAMETERS

| | |
|---|---|
| **Display size** | 2" |
| **Camera** | 2 MP |
| **Lentils** | FOV=90 |
| **Photo resolution** | 20 MP, 16 MP, 12 MP, 8 MP, 5 MP, 3 MP, 1 MP |
| **Video resolution** | 1080P, 720P, 480P, VGA |
| **Video format** | AVI |
| **Photo format** | JPEG |
| **Language menu** | English (English), German (German), French (French), Italian (Italian), Spanish (Spanish), Czech (Czech) |
| **SD card** | SD card up to 32 GB |
| **Wi-Fi** | 2.4 GHz 802.11 b/g/n |
| **USB** | USB 2.0 |
| **Power** | External power supply DC 6 V / 2 A |

| Batteries | 4x 1.5 V type AA |
|---|---|
| Microphone | Built-in microphone |
| Speaker | Built-in speaker |
| Operating temperature | -20 °C to +60 °C |
| Storage temperature | -30 °C to +65 °C |
| Weight | About 192 g |
| Dimensions | 110 x 90 x 60 mm |

## CLEANING

The photo trap is designed for use outdoors and in nature, but it is not indestructible and must be kept relatively clean. When inspecting the photo trap in the field, always remove debris from the lens and from the outer surface of the photo trap.

Before using the photo trap, remove the protective film from the lens to protect it from damage during transport.

## PROBLEM SOLVING

| The Problem | Possible cause | Solution |
|---|---|---|
| The photo trap is not capturing the photos correctly. | You have not removed the protective film. | Check that you have removed the protective film. |

| | The photo trap is not installed in the right place. | Check the installation site and relocate it if necessary. |
|---|---|---|
| The photo trap didn't turn on. | The batteries are incorrectly inserted or discharged. | Check the polarity of the inserted batteries and replace them if necessary. |
| There are no files on the SD card. | The SD card is defective. | Replace and format the SD card. Make sure the files are saved on the SD card. |
| | The SD card is locked. | |
| The photo trap does not take photos or videos at night. | The batteries are dead. | Replace the batteries. |

This symbol on the product or in the accompanying documentation indicates that the product must not be disposed of with mixed household waste. This product is intended for environmentally friendly disposal, so take it to the designated collection point. For further information on the environmentally sound disposal of the product, please contact your local authority, your household waste collection and disposal provider or your dealer. By disposing of your product in an environmentally friendly manner, you are helping to protect the environment.

This product complies with all the essential requirements of the EU Directives that apply to it.

$C\epsilon$

The product has been issued with a CE declaration of conformity in accordance with the applicable regulations. On request from the manufacturer: info@solight.cz, or downloadable from www.solight.cz.