Rexing H2 Trail Camera
USER MANUAL
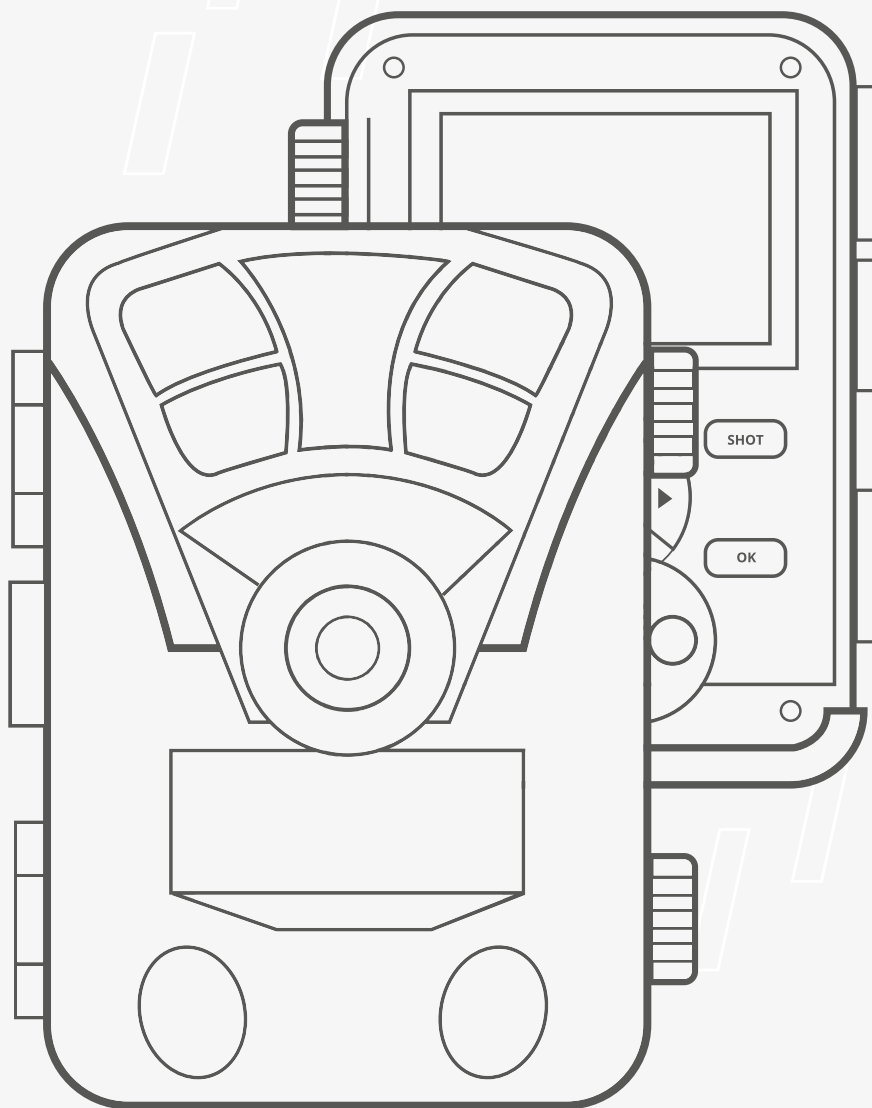
REXING

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Introduction

With its highly sensitive 120° Passive Infra-Red (PIR) sensor, the camera detects the sudden change of exterior temperature caused by the moving subjects in a Region of Interest (ROI), triggers to take pictures/videos, so you won't miss anything appearing in front of your camera.

Rexing

Introduction

Features

- Programmable 3, 5, 8, 12 or 16 **Mega-pixel high-quality resolution**.

- **Infrared night vision LEDs** for flash range as far as 65 feet.

- In **Cam + Video** mode, camera takes both pictures and videos at each trigger time.

- Impressively **quick trigger time** (0.2 - 0.5 second, pre boot 0.2 second)

- Unique side **Prep Sensor** design provides wider sensing angle and enhances cameras' response speed.

- In **Time Lapse** setting, the camera automatically and constantly takes pictures/videos at specified time internals. This is very useful when observing plants flowering, birds building nest, or when monitoring unattended properties such as parking lots.

- With **Timer Setting** is ON, the camera can be programmed to only work in specified period every day. This feature can work together with Time Lapse feature.

- **Serial Number** setting enables you to mark your locations in the photos. This helps multi camera users identify the location when reviewing the photos.

- **Ultra low standby power consumption**. Extremely long in-field-life (In standby mode, up to 8 months with 8 x AA batteries).

- Built-in **2.4" TFT color display** to review images and videos

- **Date, time, temperature and moon phase** can be stamped in the pictures.

- **Backpack-looking tree grabber** makes mounting and aiming a snap.

- Perform in extreme temperatures from **-4°F to 140°F**.

- **Compact size** (5.3 x 3.5 x 3.0 inches). Well designed to deploy covertly.

- Lockable and **password protected**.
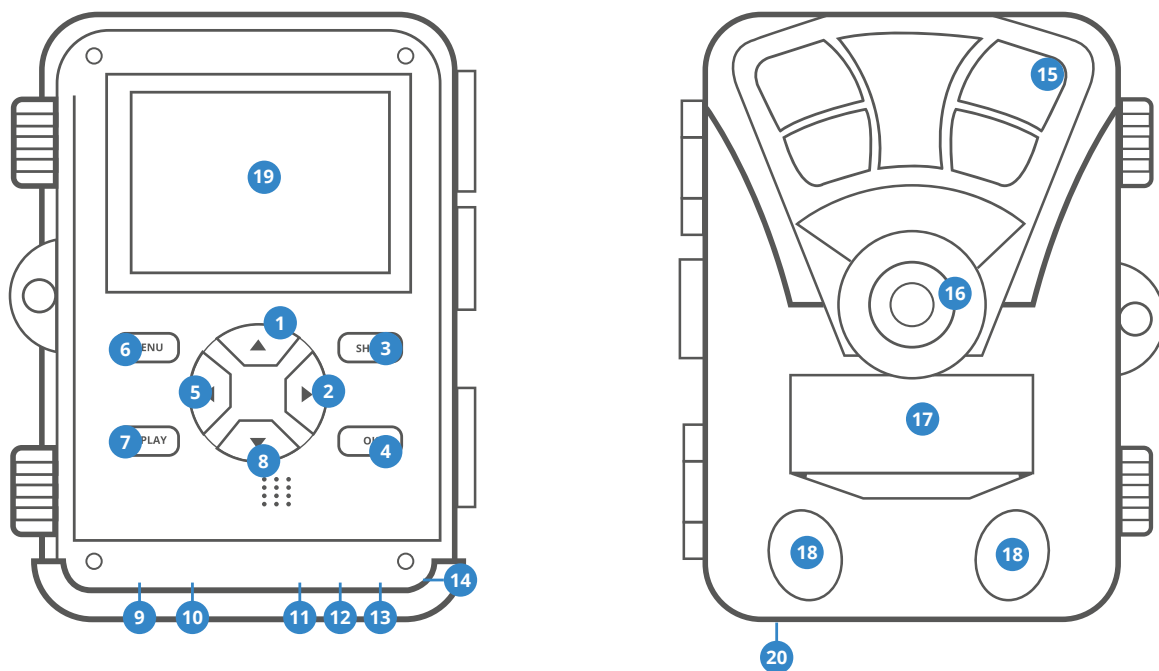
- **IP56** water resistant.

Application

- Trail camera for hunting.

- Animal or event observation.

- Motion-triggered security camera, for home, office, and community.

- All other indoor/outdoor surveillance where invasion evidence needed.

Handling
the Camera

Camera Overview

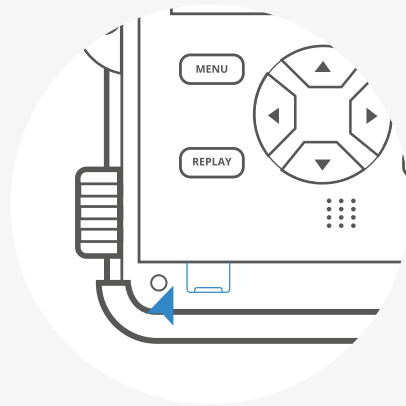|					
01	UP Button	**08**	DOWN Button	**15**	Infrared LEDs
02	RIGHT Button	**09**	TF Slot	**16**	Lens
03	SHOT Button	**10**	AV Port	**17**	Front Motion Sensor
04	OK Button	**11**	USB Port	**18**	Side Motion Sensor
05	LEFT Button	**12**	OFF	**19**	Display Screen
06	MENU Button	**13**	TEST	**20**	DC Port
07	REPLAY Button	**14**	ON		

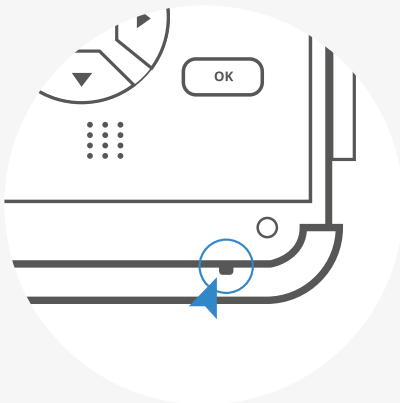# Basic Operations

01
Install batteries
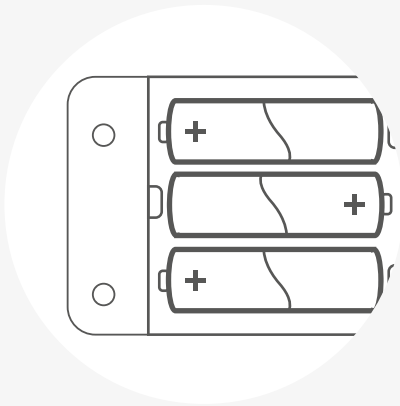
02
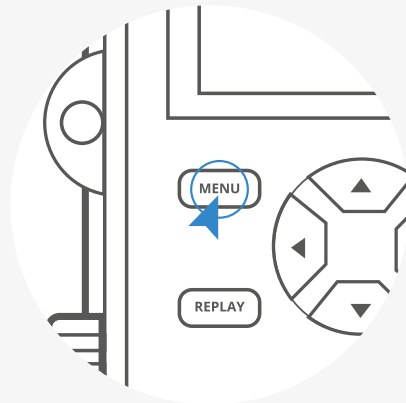Insert a Micro SD Memory Card

03
Switch to TEST Mode

04
Press MENU to enter Setting

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Basic Operations

05

Format the Memory Card

06
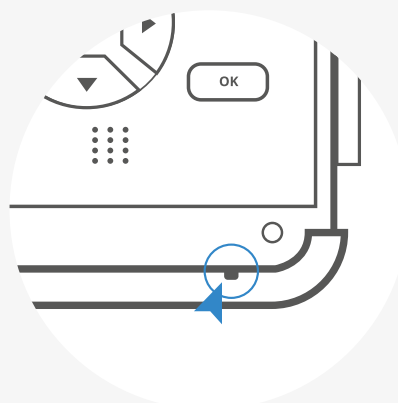
Reset to Factory Setting

07

Set the Date & Time

08

Switch to ON Mode (Test Device)

Installation

Power Supply

Batteries Installation

Open the camera by unlocking two latch first. The battery compartment is the right part of the camera. Open the protective cover of the battery compartment and insert eight (8x) 1.5v LR6/AA batteries into the battery slots. Make sure to insert each battery with correct polarity (+ and - end) against the long spring of each battery slot.

Note:

- NEVER INSTALL DIFFERENT TYPES OF BATTERIES or NEW AND OLD BATTERIES in the product at the same time.

- Anytime you load or unload batteries, make sure that the camera is **OFF**. If using external power source, do not remove internal batteries.

Using an External Power Source

Optionally, you can connect an external 6V DC power source with at least 1.5A to the **DC Port** port at the bottom of the camera. The power connector is a 3.5x1.35 mm coaxial DC power plug with positive *tip* (inside pin) polarity. Leave internal batteries in the camera during use.

Inserting the SD Card

The camera uses a Micro SD (Secure Digital) memory card to save photos (in .jpg format) and/or videos (in .AVI format). SD and SDHC (High Capacity) cards up to a maximum 32GB capacity are supported.

Insert the SD card (when the camera in **OFF** Mode) before beginning to operate the camera. (DO NOT insert or remove the SD card when the camera is in **ON** Mode)

Before inserting a memory card, please open the front cover and make sure that the write-protect switch on the side of the card is **OFF** (NOT in the *Lock* position).

- Insert the SD card into the card slot. A *click* sound indicates that the card is installed successfully. If the wrong side of the card is facing up, you will not be able to insert it without force (There is ONLY ONE correct way to insert cards).

- To take out the SD card, just gently push in the card (do not try to pull it out without pushing in first). The card will be released from the slot and ready to be removed when you hear the *click*.

Note:

- Be sure the camera's power is switched **OFF** before inserting or removing SD cards or batteries.

- Camera cannot be operated without an SD memory card installed.

Camera Operation

Basic Operation

There are three basic operation modes:

- **OFF** Mode: Power switch in the **OFF** position (LCD screen is off).
- **ON** Mode: Power switch in the **ON** position (LCD screen is on).
- **TEST** Mode: Power switch at **TEST** position.

OFF Mode

The OFF mode is the *safe* mode when any actions need to be taken (e.g. Replacing the SD card or batteries, or transporting the device).

ON Mode

The camera will take photos or videos automatically (with its current settings) when it is triggered by the PIR sensor's detection of activity in the area it monitors.

TEST Mode

In the **TEST** mode, you can check and change the settings of the camera by using its built-in LCD screen. The settings in the **TEST** Menu will let you change the photo or video resolution, time interval between photos, switch the time imprint on, etc.

Change Setting in TEST Mode

The main purpose of the **TEST** mode is to allow you to change the settings of the camera so that you trail camera operates exactly the way you want it to.

- Press the **UP** key, then press **SHOT** to take a video for a test.
- Press the **DOWN** key, then press **SHOT** to take photo for a test.
- Press the **MENU** button, the setup options will be showing on the LCD screen.
- Press the **UP** or **DOWN** key, scroll to the next or previous parameter.
- Press the **RIGHT** or **LEFT** key to change the setting.
- Press the **OK** button to save the new setting.
- Press the **MENU** button to exit the setup menu.

Photo/Video Modes

Photo: Capture photos with motion detection.

Video: Capture video clips with motion detection.

Photo + Video: Capture both photos and videos with motion detection.

Camera Operation

Photo Resolution

Set resolution for still photos. We recommend set the resolution to 8MP.

Options: 1MP, 3MP, 5MP, 8MP, 12MP, 16MP, 20MP.

Photo Series

Selects how many photos will be taken in sequence per trigger. In addition to **Single Shot Mode** (1 photo), you can take **2 Photos in Series**, and **10 Photos in Series**.

Video Resolution

Select video resolution.

Options: 20MP: *5200x3900(interpolated)*; 16MP: *4608x3456 (interpolated)*; 12MP: *4000x3000 (interpolated)*; 8M: *3264x2448*; 5M: *2592x1944*; 3M: *2048x1536*; 1M: *1280x960*;

Video Length

Set the length of each video clip recorded each time when motion is detected (between 3-60 seconds or 1-10 minutes). The longer the recording time selected, the shorter the operating time it will be.

Audio Recording

Opening this function, you'll be able to record sound while recording a video.

Shot Lag

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

Side Motion Sensors

The default setting is **ON**. The two side PIR sensors provide wider sensing angle and enhance response time. However, in some situations, you might have difficulties removing the interfering twigs, or avoiding the sunlight. If so, you'll have an option to turn off the side sensors.

Sensitive Motion Sensors

The sensitivity of the main motion sensor can be 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 (Please note that the temperature may also affect the sensitivity). The **HIGH** setting is suitable for warm ambient temperatures, whereas **LOW** should be selected for cold environments.

Camera Operation

Target Recording Time

Select **ON** if the camera should only be active during a certain period of time. In the screen menu, you can also set the Start and End time for the active phase. The settings made here apply to every day monitoring.

The camera will not record any images outside of the active phase.

Time Lapse

Time lapse model disables the PIR sensor; instead, it takes photos or records video clips automatically at your choice of intervals. This has an advantage for scouting further distances that out of the PIR sensor's range, such as big open areas or monitoring the flowering, sunrise and sunset.

When you confirm **ON** by clicking the **OK** button, you can then set the desired time interval using the menu that appears.

Camera Operation

Languages

You can set English, German, Finnish, Swedish, Danish, French, Italian, Dutch, Spanish, Portuguese, Japanese or Chinese as the menu language.

Time & Date

You can set the date format (YYYY/MM/DD, DD/MM/YYYY or MMDD/YYYY), the time format (12/24 hrs), the time, and the date. Use **LEFT** and **RIGHT** buttons to move to next field. Use **UP** or **DOWN** buttons to change the setting, pressing the **OK** button to save the changes.

Photo Stamp

Select **ON** to record the temperature, moon phase, date, and time on each photo (only for photos). Select **OFF** for no imprint.

Format Memory Card

Delete (erase) all files stored on a card to prepare it for reuse. Always format a card that has been previously used in other devices.

CAUTION!
Make sure you have downloaded and backed up any files you want to preserve first! Press **OK** to execute, press **MENU** to exit without formatting.

Password Protection

Select **ON** if you want to use a password to protect the camera from unwanted access, You can set a 4-digit combination. Once the code is set, the camera will prompt you to enter the correct code.

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 supplier onto an empty memory card.
- Insert the memory card into the device while the camera is in **OFF** Mode.
- Keep the button pressed while moving the operating mode selector switch to the TEST position. Keep the button pressed.
- After about 5 seconds the camera reset finished.

Serial No.

Select **On** if you want to use a serial number to rank the camera. You can set a 4-digit combination. This helps multi-camera users identify the location when reviewing the photos, since each camera will imprint its number on all photos it captures.

Camera Operation

Reset to Factory Setting

Select **Yes** and press **OK** to restore all parameters to the original factory default settings.

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 by following the steps on Page 12.

Align the camera as follows:

Fasten the camera to a tree or a similar object at a height of 3-6 feet and align the camera in a 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 TEST 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 relevant movements, it should not be set up in a sunny location or close to branches that 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°.

CAMERA IS READY TO USE - Switch to ON Mode

After changing to the desired settings and simply sliding to **ON** Mode, the camera is in active standby mode and will record media according to the switch settings.

Firstly, the motion indicator LED will blink red for about 15 seconds. Any motion detected by the side PIR sensor will be captured by the camera without a trigger. As soon as the further motion is detected by the central PIR sensor within 5 minutes, the camera will take photos or videos. Otherwise, the unit will return to standby status.

Viewing/Deleting Photos/Videos

Reviewing Images on the Camera LCD

- Make sure the camera is in **TEST** mode.

- Press the **REPLAY** button to enter Image Review.

- Use the **UP/DOWN** buttons to toggle through your photos or videos.

- A zoom feature is available for still photos: Use the **SHOT/OK** button to zoom in or out. Press the **REPLAY** button at anytime to exit.

- Press the **OK** button to play or pause a video.

Activate Slide Show

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

Deleting Photos/Videos

- Make sure the camera is in **TEST** mode.

- Press the **REPLAY** button to enter Image Review.

- You will see the Delete options when press the **MENU** button.

- You can choose to delete only the current photo/video, or all photos/videos.

- Press **OK** to Delete.

- Press **MENU** to cancel the operation without deleting any files.

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Viewing/Deleting Photos/Videos

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 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 selected recording.

- Select "Unlock all files" to remove the write protection for all saved recordings.

Viewing/Deleting Photos/Videos

Reviewing Images Directly from the SD Card

This is the most popular method of viewing images. Removing the SD card and take it to your home or campsite to view the images by using an SD card reader connected to your computer (some computers and TVs have a built in SD card slot).

Reviewing Images by Connecting to a Computer

When using a PC (or Mac) to view photos (or video clips), first, connect the device to the computer with a USB cable (supplied). It will be recognized as a *Mass Storage*. You can view images and videos in the folder *\DCIM*.

Reviewing Recordings on an External Monitor

A TV monitor can also be used to play back pictures (or videos) from the device, Connect a TV to the camera using the supplied cable. Then:

- Set the video input source of the TV to video.

- Change the camera to **TEST** mode.

- Use **REPLAY/UP/DOWN/OK/SHOT** buttons to view photos/videos.

Wi-Fi Feature

Wi-Fi Feature

Step 1. Download the Trail Cam App from the App Store;

Step 2. Change the camera to **ON** Mode;

Step 3. The screen will automatically enter the Sleep Hunt Mode after 15 seconds (if the device is in **Sleep Hunt Mode** already, please skip step 2 and 3);

Step 4. To turn on the Wi-Fi feature, press the **ON** button on the remote control for 3 seconds. The camera will automatically enter the Wi-Fi mode after being turned on with the remote control;

Step 5. To connect the Wi-Fi with your cell phone, open the Trail Cam App and select Storage Setting or Information Preview, the Wi-Fi Connect window will be popped up automatically. Or go to the Wi-Fi connect on your cell phone; find the Wi-Fi Hotline named Trail Cam XYZ, and then enter password *12345678* to connect with the Wi-Fi.

Step 6. After connected with the Hotline , go back to the App interface and operate the functions accordingly.

Step 7. Go back to the Main Menu after finishing up the settings in the App. Click the Power Button on the upper right corner or exit out the App. Press the **OFF** Button for 3 seconds to make the camera enter the **Sleep Hunt Mode**.

Note:

1. When connected with Wi-Fi, make sure to keep the cell phone and the camera as closer as possible. The stronger and more stable the Wi-Fi signal is, the faster the download speed will be.

2. Once the App operation is complete, exit out the App and disconnect the Wi-Fi connection. Turn off the camera with the remote control to enter the **Sleep Hunt Mode** for saving the battery life.

3. When the camera enters the Wi-Fi mode, if the cell phone did not connect the Wi-Fi after 3 minutes, the camera will automatically enter the **Sleep Hunt Mode**.

4. When the Wi-Fi connected successfully, if there is no signal transferring between the H1 and the cell phone after 3 minutes, the Wi-Fi will be disconnected and enter the **Sleep Hunt Mode**.

Trouble
Shooting

FAQs

Photos did not capture any subjects of interest

These are the result of placing the camera in an environment where there is motion associated with tree branches creating motion or an area where there is high heat in the foreground and any motion from wind. Setting a camera up over water is also a potential cause for this issue. To remedy this situation:

1. Try moving the camera to an area that does not have any of these issues.

2. If the camera continues to take images of no interest subject, try placing the camera in an inside environment and aiming at a location where there is no motion.

3. If the camera continues to show issues, please contact our customer service.

Battery Life is Shorter Than Expected

1. Battery life varies with operating temperature and the number of images taken over time. Typically, the camera would be able to capture several thousand images before the batteries die.

2. Check to make sure you have used new alkaline batteries.

3. Make sure that the power switch was turned to the **ON** position and not in the **TEST** modes.

Camera won't take images

1. Please make sure that the SD card is not full. If the card is full, the camera will stop taking images.

2. Check the batteries to make sure that they are new alkaline.

3. Make sure that the camera power switch is in the **ON** position and not in the **OFF** or **TEST** modes.

4. If the SD card has its write protect switch in the lock position,the camera will not take images.

5. If you have used an SD card in another device before, you might want to try formatting the card before using it in the trail camera.

Camera Won't Power Up

1. Make sure that you have installed at least a full set of 4 batteries in correct position.

2. Make sure that the batteries are installed correctly, observing proper polarity.

3. After moving the switch from **OFF** to **TEST** or **ON** Mode, make sure that the switch is correctly in position to ensure the proper mode.

4. Do not move the switch directly from **ON** to **TEST**, always move the switch all the way down to **OFF** first, then back up to **TEST**.

FAQs

Still Photo and/or Video Quality Problems

1. Night photos or videos appear too dark

a. Check the battery indicator icon to see if battery power is full. The flash will stop operating near the end of the battery life.

b. You will get the best results when the subject is within the ideal flash range, no farther than 65FT.

c. Please note that when the Capture Number parameter is set higher than *1 Photo*, or with very short interval settings, some images may appear darker than others due to the quick response and rapid re-triggering of the camera, allowing less time for the flash to fully recharge before firing again.

2. Daytime photos or videos appear too dark

Make sure that the camera is not aimed at the sun or other light sources during the day.

3. Night photos or videos appear too bright

Subjects may appear too bright at closer distances.

4. Daytime photos or videos appear too bright

Make sure that the camera is not aimed at the sun or other light sources during the day.

5. Photos with streaked subject

a. In some cases with low lighting conditions and fast moving subjects, the 12MP or 16MP resolution settings may not perform as well as the 8MP setting.

b. If you have multiple images where fast moving subjects produce streaks on the photo, try the 8MP setting instead.

6. Short video clips-not recording the set length

a. Check to make sure that the SD card is not full.

b. Make sure that the camera has good batteries in it. Near the end of the battery life, the camera may choose to record shorter video clips to conserve power.

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Trouble Shooting/FAQ

Date/Time Stamp not appearing on images

Make sure that the Time Stamp parameter is set to **ON**.

PIR Sensor LED Flashes/ Doesn't Flash

1. When the camera is in **TEST** mode, a special LED on the front of the camera will flash when it senses motion. This is for setup purposes only and will help the user aim the camera.

2. During use, the LED will not flash when the camera takes an image. This is to help keep the camera hidden from game.

Camera won't retain settings Doesn't Flash

Make sure that you have been saving the changes to any parameter settings that you made while in **TEST** mode, by pressing **OK** after changing the setting.

Moisture or Ants inside Camera

1. To ensure humidity or rain is kept out of the camera, secure the DC Port plugged firmly in place.

2. Ants can be attracted by low level electronic vibrations, and enter through any gaps between the exterior and interior of the camera. Make sure the DC Port plug is securely attached.

Camera Specifications

IMAGE SENSOR	8MP CMOS sensor
PHOTO RESOLUTION	20MP: 5200x3900; 16MP: 4608x3456; 12MP: 4000x3000; 8MP: 3264x2448; 5MP: 2592x1944; 3MP: 2048X1536
VIDEO RESOLUTION	3840x2160/10fps; 2688x1520/20fps; 1920x1080/30fps; 1280x720/60fps; 1280x720/30fps; 720x480/30fps; 640x480/30fps; 320x240/30fps
FILE FORMAT	JPG/AVI
LENS	f=3.3; F/NO=2.0; FOV=105; Auto IR filter
DISPLAY	2.4" TFT LCD
EXTERNAL MEMORY	SD card up to 256GB
INTERNAL MEMORY	8Mx16 5DRAM
RANGE OF IR FLASH	787 Inches
TRIGGERING DISTANCE	65ft/20m (Below 77°F/25°C at the Normal Level)

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Camera Specifications

DETECTION ANGLE OF SENSORS	120°
PIR SENSITIVITY	High/Normal/Low
TEMPERATURE COMPENSATION	Yes
PREP PIR SENSING ANGLE	0n/0ff;120
TRIGGERING TIME	0.5 Second (When using the 4G SD card); 0.2 Second
TRIGGER INTERVAL	5sec. - 60min, Programmable
SHOOTING NUMBERS	1-3
EFFECTIVENESS	Daytime: 1.5m-infinitive. Night time: 1.5m-20m
VIDEO LENGTH	3sec-10Minutes.; Programmable
CAMERA+VIDEO	First take Picture then Video

Camera Specifications

TIME STAMP	0n/Off; include serial No, temperature and moon phase
TIME LAPSE	On/Off; Time Lapse Programmable
PERIODIC SHOT	Time Laps 1 Second ~ 24 Hours
PSASSWORD	4-Digit Numbers
BUILD-IN MICROPHONE	Yes
BUILD IN SPEAKER	Yes
AUTO-DISTINGUISH IMAGES	Color images in daytime/black & white night images
AUTOMATIC SCREEN SAVER	In 2 min
TV-OUT	Yes
PC INTERFACE	Mini USB 2.0

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Camera Specifications

POWER SUPPLY	8 x AA external 6V power supply, at least 2A
POWER ADAPTER	6V/1.5A
BATTERY LIFE	More than 30K photos in daytime, and more than 12K photos in night
STANDBY TIME	Approx.12 months
SPRAY-WATER PROTECTED	IP 56
STORAGE TEMPERATURE	-68°F to 140°F
DIMENSIONS	5.3" x 3.5" x 3"

Warranty
Protection

FCC Statement

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 radioed 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.

Warranty And Disclaimers

Warranty

Up to 1 YEAR LIMITED WARRANTY

Your product is warranted to be free of defects in materials and workmanship for 1 year after the date of purchase. This warranty does not cover damages caused by misuse,improper handling and installation.In the event warranty service is needed, please contact Rexing at care@rexingusa.com

Disclaimers

We hare no representations or warranties, either expressed or implied, by or concerning any content of these written materials or software, or for damages resulting from the use of the information contained therein.

We reserve the right to alter the features and contents of this publication,hardware or software without obligation or advance notice.

Warranty does not extend to any accessories used with the camera.

We are not responsible if you use the trail camera for illegal purposes.

We shall not be obligated to perform preventative maintenance, installation, reinstallation, or maintenance. The illustrations in this manual are for instructional purposes only and may not represent actual product exactly.

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