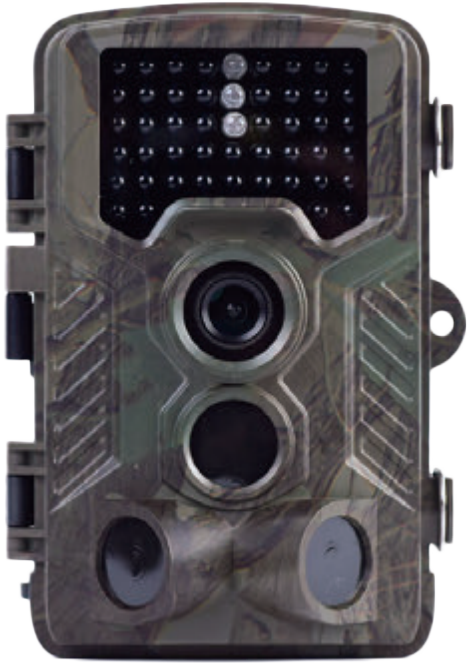
Quick User Guide

Rexing H1



INTRODUCTION

With its highly sensitive 120° Passive Infra-Red (PIR) sensor, the camera detects the sudden change of ambient temperature caused by moving game in a region of interest (ROI) and triggers the capture of photos/videos, so you don't miss what is walking in front of your camera.

Features

- Programmable 3, 5, 8, 12 or 16 Megapixel high-quality resolution.
- Infrared night vision LEDs for flash range as far as 65 feet.
- "Cam + Video" mode allows camera to take photos and videos simultaneously during trigger events.
- Lightning-fast trigger time between 0.2 to 0.6 seconds (pre-boot of 0.2 seconds).
- Unique side Prep Sensor design provides wider sensing angle and enhances camera's response speed.
- In Time Lapse setting, the camera automatically and constantly takes pictures/videos at specified interval.
- With Timer setting 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 record location information to your photos.
- Ultra low standby power consumption. Extremely long in-field life (in standby mode, up to 16 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 recorded, or "stamped," to photos taken.

INTRODUCTION

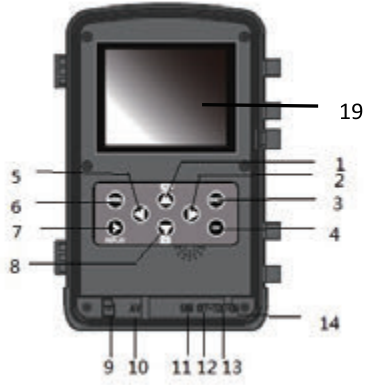
- Backpack-looking tree grabber makes mounting and aiming a snap.
- Perform in the most extreme temperatures from -4°F to 140°F.
- Compact size (5.3 x 3.5x 3.0 inches)is well-designed to deploy covertly.
- Lockable and password protected.
- IP66 water resistance.

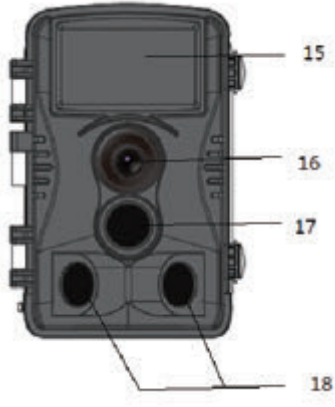
Application

- Trail camera for hunting
- Animal or event observation
- Motion-triggered security camera, for home, office and community
- Any form of surveillance to capture evidence of trespassing.

CAMERA OVERVIEW

1. Up button
2. Right button
3. Shot button
4. Ok button
5. Left button
6. Menu button
7. Replay button
8. Down button
9. TF/SD card slot
10. AV jack
11. USB jack
12. OFF
13. Test
14. ON
15. Infrared LEDs
16. Lens
17. Front motion sensor
18. Side motion sensor
19. Display screen

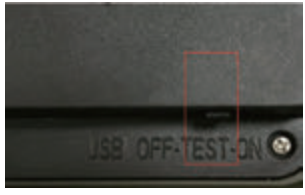




GETTING STARTED

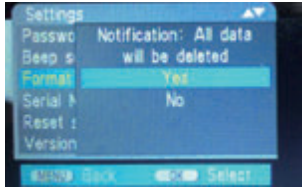
① Install Batteries

② Insert Micro SD card

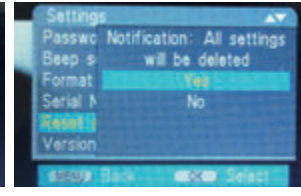


③ Switch to TEST

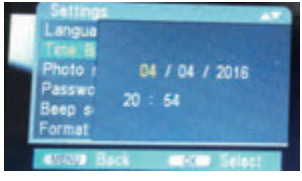
④ Press MENU to setting



⑤ Format memory card



⑥ Reset to factory setting



⑦ Set The Date & Time

⑧ Switch to ON to use

BEFORE OPERATION

Power supply

Batteries Installation

First,open the camera by unlocking the latch. The battery compartment is found on the right side of the camera.Open the protective cover of the battery compartment and insert 8 x 1.5 V 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 In' jack 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 32 GB capacity are supported.

BEFORE OPERATION

Insert the SD card (with the camera's power switch in the **OFF** position) before beginning to operate the camera. Don't insert or remove the SD card when the power switch is in the ON position.

Before inserting the 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. You should hear the card "click" into place. If your Micro SD card doesn't seem to be fitting in to the slot, try flipping the card over so the label is facing you. There is only one proper orientation for inserting the card.
- To take out the SD card, just gently push in the card (do not try to pull it out without pushing in first). You will hear a click and notice the card has been released from the slot, in which you can now remove it from the camera.

Note:

- Be sure the camera's power is switched OFF before inserting or removing SD cards or batteries.
- Camera will not operate without an SD memory card inserted.

CAMERA OPERATION

Mode Switch

There are three basic operational modes:

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

OFF Mode

The OFF mode is the "safe mode," as you must be in this mode when doing things such as replacing the SD card or batteries, or transporting the device.

ON Mode

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

TEST Mode

In the **TEST** mode you, can check and change the settings of the camera with the help of its built-in LCD. These settings, found in the **TEST** Menu, let you change the photo or video resolution, interval between photos, enable time stamping,

Changing Settings in TEST Mode

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

- Press the UP key, then press SHOT to take a test video.
- Press the DOWN key, then press SHOT to take a test photo.
- Press the MENU button to bring up the setup menu.

CAMERA OPERATION

- Use the UP and DOWN keys to scroll between settings.
- Use the RIGHT and LEFT keys to change settings.
- Press the OK button to save your specified setting.
- Press the MENU button to exit the SETUP menu.

Capture modes

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

Photo resolution

Set resolution for still photos.
Options: 3MP, 5MP, 8MP (default), 12MP or 16MP.

Photo series

Selects how many photos are taken in sequence per trigger. In addition to single shot mode (1 photo), you can take 2-3 photos per sequence.

Video resolution

Allows you to select your video resolution.
Options: 1080P (1920 x 1080, 25 fps), 720P (1080 x 720, 30 fps), WVGA (720 x 480, 30 fps), VGA (640 x 480, 30 fps), (320 x 240 , 30 fps)

Video Length

Set the length of each video clip recorded each time motion is detected (between 3–60 seconds or 1–10 minutes). The longer the recording time selected, the shorter the operating time. The preset video length is 5 seconds.

Audio recording

Allows you to toggle the recording of sound with your videos.

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

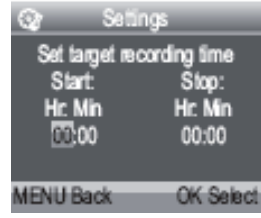
The default setting is On. The two side PIR sensors provide wider sensing angle and enhance response time. However, in some situations you have difficulty removing the interfering twigs, or avoiding the sunlight. If so, you have the option to turn off the side sensors.

Sensitivity 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.

Target recording time

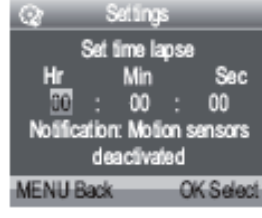
Select "On" if the camera should only be active during a certain time period. In the screen menu that subsequently appears, you can then set the start and end time for the active phase.
The settings made here apply every day.
The camera will not record any images outside of the active phase.



Time lapse

Time lapse mode disables the PIR sensor and instead takes photos/videos automatically at your specified time interval.

This feature allows you to scout further distances which are outside of the PIR sensor's range, such as big open areas (food plots, fields, etc)



When you confirm "On" with the OK button, you can then set the desired time interval using the menu that now appears.

Language

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

CAMERA OPERATION

Time & date

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 **LEFT** and **RIGHT** keys to move to next field. Use **UP** or **DOWN** keys to change the setting, pressing **OK** button to save.

Photo stamp

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

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 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 reset finished

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.

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.

Reset 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 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°.

CAMERA IS READY TO USE

CAMERA IS READY TO USE---Switch to ON

AFTER CHANGING TO DESIRED SETTING and SIMPLY SLIDING SWITCHES TO ON POSITION, the camera is 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 is detected by the side PIR sensor; the camera will be active without 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 state.**

REVIEWING YOUR PHOTOS/VIDEOS

Reviewing Images on the Camera LCD

- Put the power switch in **TEST** position.
- Press the **Replay** key to enter image review mode.
- Use the **UP/DOWN** keys to scroll through your photos or videos.

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

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

Deleting Photos or Videos

- Put the power switch in TEST position.
- Press the Replay key to enter image review mode.
- Press the MENU key. You will see the first Delete screen.
- It lets you selects the option to delete only the currently displayed photo/video, or all photos/videos.
- Press OK to Delete.
- Press MENU to cancel the operation without deleting any files.

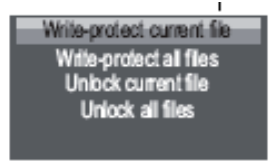
Activate slide show

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.

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 the USB cable (supplied). It will be recognized as a ‘mass storage’. You can view images and videos in the folder \DCIM\.

Showing 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’.
- Put the power switch in **TEST** mode.
- Use **REPLAY/UP/DOWN/OK/SHOT** keys to view photos/videos.

TROUBLESHOOTING

Photos do not capture your intended subject

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 obstructions.
2. If the camera still hesitatesto take images 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

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

1. Check to make sure you have used new alkaline batteries.
2. 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. Ensure the batteries are compatible 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 the write protect switch in the lock position, the camera will not take images.
6. If you have used an SD card in another device before, try formatting the card.

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

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 20m.
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 retriggering 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 to the length set
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.

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 the **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.

TROUBLESHOOTING

Camera won't retain settings

Make sure that you have been saving the changes to any parameter settings that you made while in Setup 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 In plug 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 In plug is securely attached.

CAMERA SPECIFICATIONS

Image sensor	8MP CMOS sensor
Photo resolution	16MP: 4608x3456 12MP:4000x3000;8MP:3264x2448; 5MP:2592x1944;3MP:2048X1536;
Video resolution	1920X1080/25fps 1280x720/30fps 720x480/30fps; 640x480/30fps; 320x240/30fps
File format	JPG/AVI
Lens	f=3.3 ; F/NO=2.0; FOV=108; Auto IR filter
Display	2.4 " TFTLCD
External memory	TF card up to 32GB ,Class 6 Above
Internal memory	8Mx16 SDRAM
Range of IR flash	20m
Triggering distance	20m （Below 77°F/25°C at the Normal Level）
Detection angle of sensors	120°
PIR Sensitivity	High/Normal/Low
Temperature compensation	Yes

CAMERA SPECIFICATIONS

Prep PIR Sensing Angle	On/Off;120°
Triggering time	0.6 Second(When using the 4G SD card)； Pre boot 0.2 Second
Trigger Interval	5sec. - 60min;Programmable
Shooting Numbers	1—3
Effectiveness	Daytime:1m-infinitive;Night time: 1.5m-20m
Video Length	3-60sec.;1-10min Programmable
Camera+Video	First take Picture then Video
Time Stamp	On/Off; Include serial No., temperature and moon phase
Time Lapse	On/Off; Time Lapse Programmable
Compressed video	TL Video Time Laps 3 Second ~ 24 Hours
Password	4-Digit Numbers
Build-in Microphone	Yes
Build in Speaker	Yes
Auto-distinguish images	Color images in daytime/black & white night images

CAMERA SPECIFICATIONS

Automatic screen saver	Automatic screen saver in 2 minutes while no keypad controlling
TV-out	Yes
PC Interface	Mini USB2.0
Power supply	8xAAexternal 6V power supply, at least 2A
Battery life	More than 30K photos in daytime, and more than 12K photos in night
Standby time	approx. 16 months
Spray-water protected	Yes (IP protection class 66)
Storage Temperature	-20°C to +60°C
Dimensions	approx.136*90*76mm

CUSTOMER SERVCIE & WARRANTY

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 **US**

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 radioor 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.

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.