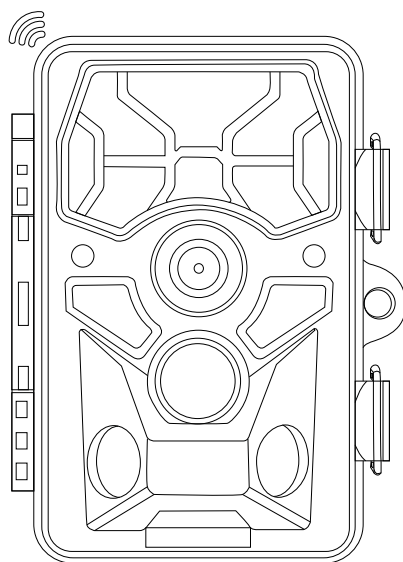


Instruction Manual

WiFi Wildlife Camera



24.0 24Megapixel	IP66 Waterproof	2.3" TFT-LCD	0.4S Trigger time	120° 120° total PIR angle	 Full HD Video function
----------------------------	---------------------------	------------------------	-----------------------------	-------------------------------------	---

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 radio or 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:

- o) Reorient or relocate the receiving antenna.
- o) Increase the separation between the equipment and receiver.
- o) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- o) Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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.

1. Contents of box

Carefully unpack camera and check that all of the following components are contained in the box:

1. Wildlife Camera
2. Mounting belt
3. USB cable
4. Instruction manual
5. Remote Controller



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.

2. Contents

1.	CONTENTS OF BOX	1
2.	CONTENTS	2
3.	HAZARD, SAFETY AND WARNING NOTICES	3
4.	INTRODUCTION	5
5.	YOUR CAMERA	6
	5.1. Front view	6
	5.2. Inside views	7
6.	PREPARING THE CAMERA	8
	6.1. Opening and closing the camera	8
	6.2. Inserting the batteries	9
	6.3. Inserting the memory card	10
	6.4. External power supply	11
	6.5. Assembly with strap	11
7.	USING THE CAMERA	12
	7.1. Mode switch	12
	7.2. Operating buttons	12
	7.3. Settings	14
	7.4. WiFi APP connection	19
	7.5. Night recording	25
	7.6. Setting up the Live mode	26
	7.7. Aligning the camera	27
	7.8. File format	27
8.	CONNECTING TO COMPUTER	28
9.	TECHNICAL SPECIFICATION	29
10.	SIMPLE TROUBLE SHOOTING	31
11.	SYSTEM INFORMATION, MAINTENANCE AND DISPOSAL	33
	11.1. Care	33
	11.2. Storage	33
	11.3. Disposal	33

3. 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.

4. Introduction

The Wildlife Camera is a wildlife and surveillance camera with a 3 zone infrared 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:

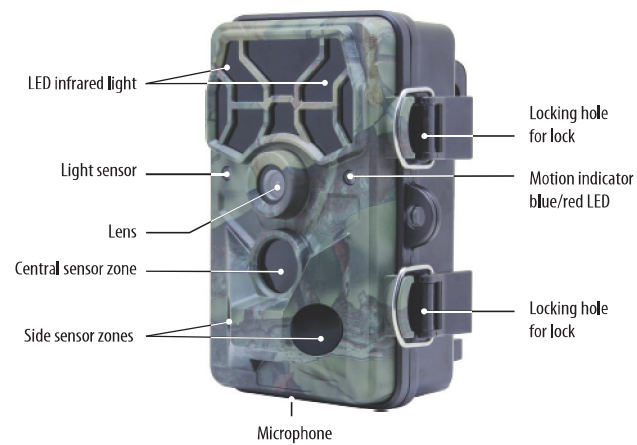
- 3 Megapixels CMOS sensor.
- 24Megapixel photo and 1296P Full HD video.
- 2.4-2.5GHz 802.11 b/g/n WiFi high-speed up to 150Mbps.
- WiFi function, you can preview, download, delete the taken photos and videos directly, take photos and videos, change settings, check battery and memory capacity in APP.
- 2.4G wireless remote control to open or exit WiFi hotspot.
- The unique sensor design offers a 120°wider angle of detection and improves the response time of the camera.
- During day, sharp and clear color images and during night time clear black and white images.
- Impressively quick trigger time 0.4 seconds, pre boot 0.2 second.
- Spray water protected according to standard IP66.
- Lockable and password protection.
- Date, time, temperature, battery percentage and moon phase can be displayed on the images.
- Using the Camera Name function, locations can be encoded on photos. Where several cameras are used, this function allows easier identification of locations when viewing photos.
- Possible use under extreme temperatures of between -20°C to 60°C.
- Extremely low power consumption in standby operation providing extremely long operating times. (in standby mode up to 6months with 8AA batteries).

Areas of application

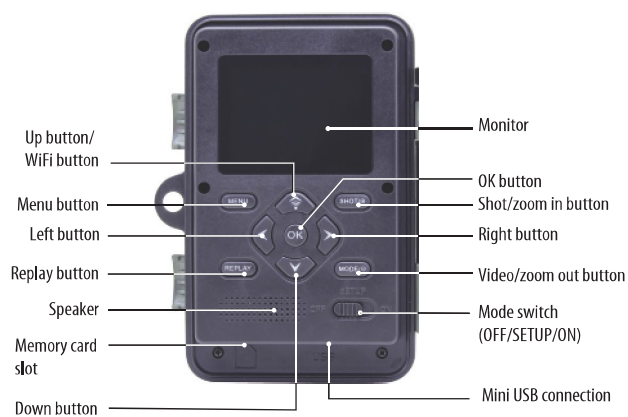
- Camera trap for hunting.
- Animal or incident observation.
- Motion triggered security camera for domestic, office or public use.
- Any internal and external surveillance, where evidence of an infringement has to be provided.

5. Your camera

5.1. Front view



5.2. Inside views



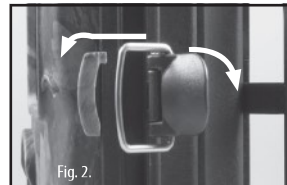
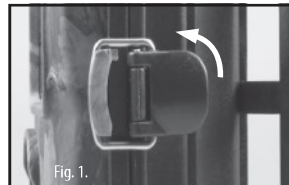
- The **monitor** is **only** switched on in the **SETUP** mode for changing menu settings or viewing existing photos/videos.
- An SD or SDHC memory card **must have been inserted into the memory card slot** in order to save photos/videos.
- Using the **mini USB connection** (USB 2.0), the camera can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



6. Preparing the camera

6.1. Opening and closing the camera

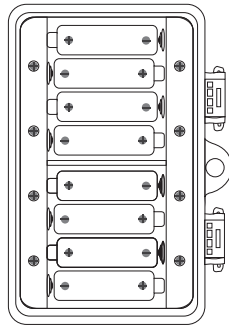
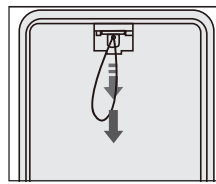
Operating buttons, connections and batteries are located inside the Wildlife Camera.



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

6.2. 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 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).
- The screen will show "Low Battery" if battery is too low.

6.3. 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.

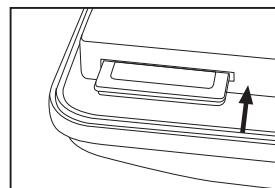
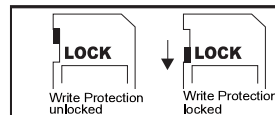
Switch off the camera and open as described in section 6.1.

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.



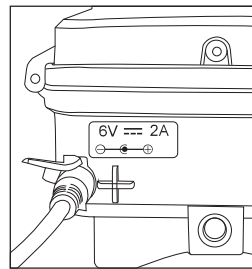
Note:

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

6.4. External power supply

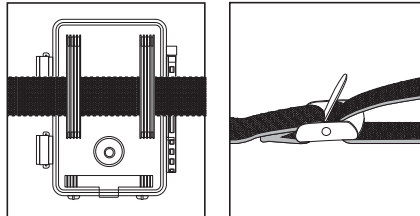
The camera can be operated using power from an external power supply. A 6 V power supply with at least 2.0 A is required containing a connector with a 3.5 mm external and 1.35 mm internal diameter (internal plus pole, external minus pole).

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



6.5. 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.

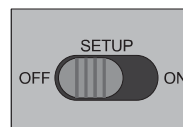
7. Using the camera

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

7.1. 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.
- **SETUP:** Select SETUP mode to adjust settings and make or playback photos and videos.
- **ON:** The camera is activated to take photos/videos automatically (Live mode).



7.2. Operating buttons

Set the mode switch to SETUP 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:



: Turn on /turn off WiFi hotspot.

Functions of operating buttons in standby 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.
- **MODE/⊖** : Change the working mode.
- **SHOT/⊕** : Take a photo or video, or stop recording.
- **OK**, , , ,  : No function(in standby mode).

Functions of operating buttons in replay mode

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

- **MENU** : Enter into deleting or protecting video or photo files.
- **REPLAY** : Enter into or exit replay mode.
-  : View existing pictures/videos backwards and drag up wards to view photo.
-  : View existing pictures/videos forwards and drag down wards to view photo.
-  : Drag right to view photos after zoom and skip ahead the video.
-  : Drag left to view photos after zoom and skip back the video.
- **OK** : Start and pause replay of videos.
- **MODE/⊖** : Zoom out the photos.
- **SHOT/⊕** : Zoom in the photos.

Functions of operating buttons in MENU setting

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.
-  : Move forwardly to the data setting.
-  : Move backwardly to the data setting.
- **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 setting are lost when leaving the menu.

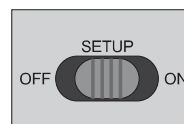
- **REPLAY** , **MODE/** , **SHOT/** : No function (in MENU mode).

7.3. Settings

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

Slide the mode switch of the Wildlife Camera to the **SETUP** position to start the setup 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 :** **Photo**, Video, Photo + Video

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

- **PIR Interval: Defaulted 30seconds**, optional from 5seconds ~60minutes

Select the shorsetup 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.



Note:

- The interval time is short, the camera shooting frequency would be high, and there would be high consumption of batteries. It would effect the usage days of the batteries. It is just on the opposite, the interval time is long, would be a lower consumption of batteries to guarantee a long time usage.

- **PIR Sensitivity:** High/ **Medium** / Low

- **Time lapse: Off/On**

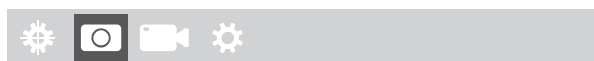
When "on" has been selected, the camera would automatically takes photos/ videos in the selected time interval, irrespective of whether or not the PIR sensor has detected a motion or not. This is useful for observing cold blooded animals e.g. snakes or plants opening up, etc. As soon as the "On" setting has been confirmed by pressing the **OK** button, you can enter the interval time after which photos/ videos are to be taken.



Note:

- In this mode, the PIR function would stop working, and the camera would take photos/ videos in the setting interval time.

- **IR LED: Auto/ Super Fine/ Economy**
Set the infrared LEDs brightness.
- **Monitoring Period: 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.
- **Side PIR Setup: Off/On**
The two side PIR sensor zones provide a wide detection angle and detect more potential triggers.
Sometimes you only wish to observe a certain point.
Too many irrelevant triggers from the side sensor zones outside of this point continuously switch the camera on and off, considerably affecting battery life. In some situations it may be difficult to remove interfering branches or avoid sun light. In these situations you can switch off the side sensor zones.



- **Image size** : 24M(5632 x 4224), 20M(5120 x 3840), 16M(4608 x 3456), 12M (4032 x 3024), 8M (3264 x 2448), **5M (2592 x 1944)**, 3M(2048 x 1536), 2M (1600 x 1200)

Select the desired resolution for photos. We recommend the resolution 5M.
A higher resolution produces a somewhat better photo quality but results in larger files requiring more space on the memory card. 24M, 20M, 16M, 12M and 8M resolutions are generated by interpolation which can also affect quality.
- **Picture NO**: 1P, 2P, 3P, 4P, 5P, 6P, 7P, 8P, 9P, 10P.
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!
- **Shutter speed**: 1/15, 1/20, 1/30



- **Resolution :** 1296P(1728 x 1296), **1080P (1920 x 1080, 30 fps)**, 720P (1280 x 720, 30 fps), 480 (848 x 480, 30 fps), 360(640×360,30fps)
Select the required video resolution.
A higher resolution produces higher quality videos but results in larger files requiring more space on the memory card.
- **Video Length : Defaulted 10seconds**, optional 5seconds~180seconds
Specify the duration of a video recording when the camera is triggered automatically. The recording period for videos is not limited in the SETUP mode.
- **Record Audio:** Off/On



- **Language:** Select the desired menu language
The following languages are available: **English**, German, French, Spanish, Chinese, etc.
- **Default setting(Reset to factory): Cancel/OK**
Press "OK" to reset the camera settings to the default values and confirm the selection by pressing the **OK** button.
- **Format: Cancel/OK**
All files are deleted by formatting the memory card. Press **OK** button and confirm formatting by selecting "OK".
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!
- **Date / Time:** Set date and time
- **Time Format:** 12hour/ **24hour**

- **Date Stamp: On/Off**

Select "ON" to print the date, time, temperature, battery percentage and moon phase on each photo or video. Otherwise select "Off".

- **Beep Sound: On/Off**

- **Camera name: RD1009WF**

You can use a combination of 10 digits and 26 letters to document the location on the photos and videos. When using several cameras this makes it easier to identify the location when viewing photos and videos.

- **Password Setting: 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 SETUP mode before the camera can be used.



Note:

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

- **Remote: Off/ On**

- **WiFi SSID: RD1009WFxxxx**

You can use a combination of 10 digits and 26 letters to document the location on the photos and videos. When using several cameras this makes it easier to identify the location when viewing photos and videos.

- **WiFi Password: Default 12345678**

- **Auto WiFi Off: 1 Minute, 2Minutes, 3Minutes**

If the camera turns on the WiFi hotspot, but the phone doesn't connect to the WiFi hotspot successfully within selected time, then WiFi hotspot will disconnect automatically and the camera will return to SETUP mode or ON mode.

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

If there is no operation more than the selected time, then the camera will turn off automatically in SETUP mode.

- **Backlight:** 1Minute, 3Minutes, 5Minutes, Off
The LCD monitor would automatically turn off after the setting time.
- **Version:** You can check the software version.
- **Mcu FW Update**
- In **replay mode** the option Delete and protect are available in the menu.
- **Delete:** Select the "Delete" option to remove individual or all photos and videos from the memory card thus making storage room for new photos and videos.
- **Delete Current:** Using this option you can delete individual photos and videos. After selection the option by pressing the OK button, the photo and video to be deleted is shown. Confirm deletion by selecting "Yes" and confirming the selection by pressing the OK button. To end the deletion process, select "No" and confirm by pressing OK.
- **Delete All:** Select option "All" to delete all photos and videos on your memory card. To confirm deletion of all your photos and videos, select "Yes" and press the OK button. Select "No" to interrupt the deletion operation.
- **Protect:** Lock Current/ Unlock Current/ Lock All/ Unlock All

7.4. WiFi APP connection

Before using the wifi function, please install the APP application on the smartphone device. Please download and install the app from Google Play by searching "WiFi Hunting Camera" for Android system and IOS system.



iOS



Android

7.4.1 Turn on Wifi hotspot

1. When the camera is in SETUP standby mode, press  WiFi/UP button in the camera or  button in the remote controller. The screen displays the "WiFi" connection interface. The red indicator on the camera flashes rapidly and the camera has open WiFi, the camera connection interface is shown as below.



2. When the camera is in ON (monitor mode), press  in the remote controller, the screen displays the "WiFi" connection interface, the red indicator on the camera flashes rapidly, and the camera has open WiFi, the camera connection interface is shown as below.



7.4.2 Connecting to WiFi hotspot in the phone

Open the phone "Settings", go to the "WLAN" option in the settings, search for the camera's WiFi name "RD1009WFxxxx", and then enter the original password: 12345678.



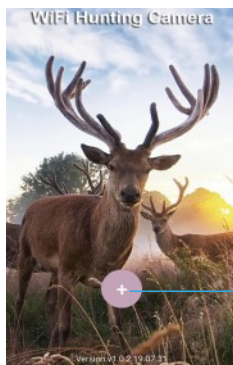
The camera would have a successful connection interface as shown below:

WiFi Connected
MAC: do65ca473297
Press UP to Disconnect

7.4.3. Connecting to APP in the phone

- A. Open the "WiFi Hunting Camera " APP program and click the connect button  on the APP interface.
- B. Then enter into real-time monitoring mode.
 1. Then the pictures and videos can be previewed in real time on the APP, and can be recorded, photographed, menu set, and download /delete.
 2. You can view it under the open APP interface for photo or video which have been downloaded, you can view the deletion or a single sharing operation.

A



Connection button
(camera and Mobile
phone connection)

B

Back to upper menu <

Battery Energy

Video Mode

Photo Mode

Files Management

Parameter Settings

Take a photo or video, stop recording

C. Click  setting button you can check or change the camera settings, and turn off WiFi by click "off WiFi".

C

