GardePro®

TRAIL CAMERA
E9P series
E9P MAX series

INSTRUCTION MANUAL

Applicable for Models:
E9P series *(E9P, E9PCF, E9PWF)*
E9P Max series *(E9PMB, E9PMC, E9PMD)*

Congratulations on your purchase of one of the best trail cameras on the market! We appreciate your business and want to earn your trust. Please refer to the notes below and the instructions in this manual to ensure that you are completely satisfied with this product.

In case of any further questions or concerns, please get in touch with **info@cameratraps.co.za**

Est. 2007

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www.cameratraps.co.za

TABLE OF CONTENTS (English)

1. IN THE BOX 1
2. IMPORTANT NOTE 1
3. INTRODUCTION 2
4. PARTS AND CONTROLS 3
5. INSTALLING THE BATTERY AND SD CARD 7
6. USING THE CAMERA 9
7. THE OFF, ON, AND SURVEILLANCE MODES 10
    7.1. OFF Mode 10
    7.2. ON Mode 10
    7.3. SURVEILLANCE Mode 11
8. Wi-Fi CONNECTION 12
    8.1. Download GardePro Mobile App 12
    8.2. Enable Wi-Fi and Bluetooth 12
    8.3. Add Your Camera 13
    8.4. Search Your Camera and Link 14
    8.5. App Navigation 16
    8.6. Important Notes on App Wi-Fi Connection 18
9. ADVANCED SETTINGS 19
10. MOUNTING AND POSITIONING 24
    10.1. Mounting 24
    10.2. Sensing Angle and Distance Test 26
    10.3. Starting 27
11. REVIEW PHOTOS OR VIDEOS 28
12. TECHNICAL SPECIFICATIONS 28
13. TROUBLESHOOTING 30

1. IN THE BOX

1 x Camera, 1 x Mounting Strap, 1 x Antenna, 1 x Camera Instruction Manual, 1 x Mini USB Cord.

1 x Lithium-ion Battery Pack *(pre-installed)*, 1 x Battery Instruction Manual, 1 x USB C to USB C Charging Cable, 1 x USB C Female to USB Male Adapter.

Note: USB power adapter is not included (user supplied).

2. IMPORTANT NOTE

2.1. About Battery

Please read the Battery Instruction Manual and Security Requirements carefully before you use the battery pack to power your trail camera for the first time, and keep it for reference.

ATTENTION PLEASE: If the camera fails to power on due to low battery levels, please recharge the battery first.

2.2. About Camera Storage

The **E9P**, **E9PCF** and **E9PWF** models require a standard-size SDHC/SDXC memory card (maximum capacity 512GB, Class 10). Recommend using SanDisk 32GB SDHC Class 10 memory cards in the camera to obtain the best cost-performance. **Before first use, please format your SD card in the camera by using "Format SD Card" in the menu settings.**

The **E9P Max** model comes with a built-in memory card. Storage capacity varies from models. The model **E9PMB** has

32GB of storage, **E9PMC** has 64GB of storage, and **E9PMD** has 128GB of storage.

2.3. About App Wi-Fi Connection

Please refer to *Section 8* for details.

For better performance, we recommend that your phone is within 15 meters (45 feet) of your camera. Since there may be interference around, if the signal is not good, please move closer to the camera gradually.

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3. INTRODUCTION

3.1. About the Camera

The GardePro E9P series cameras are new generation of Wi-Fi trail cameras. The cameras have a built-in Wi-Fi and Bluetooth module, so that you can connect and operate the camera through a dedicated app ("GardePro Mobile"). The Bluetooth module, operating in low power, is used for device discovery, and Wi-Fi is used for preview, image transmission and settings.

The camera features the all new innovative and ultra-clear Sony Starvis imaging technology. The camera encompasses all-new software innovations, smart illumination technology, blur reduction technology, auto noise reduction and dynamic exposure technology to deliver high resolution image quality.

3.2. Main Features

- Bluetooth connection for device discovery.

- Wi-Fi connection for preview, playback, and settings.
- 8000mAh rechargeable battery.
- High quality pictures (up to 64MP still photos), 1296P 20fps or 1080P 30fps H.264 video clips with audio.
- Clear night vision. The **E9P**, **E9PCF** and **E9P Max** models are equipped with 36pcs high performance infrared no glow 940nm LEDs that function as a flash (invisible to eyes). The **E9PWF** is equipped with 36pcs high-performance white flash LEDs (visible to eyes).
- Easy to use/program with well-designed operation buttons and built-in 2.4-inch color screen, easy to program, review pictures and videos on the screen.
- 3 working modes - Motion detection, Time lapse and Hybrid.
- Fast trigger time approx. 0.1~0.5 seconds (pre-activated technology with 3 PIR sensors designed), Fast recovery time of less than 0.5 seconds, Long trigger distance up to 90ft.
- Info strip on each capture: Date, Time, Temperature & Moon phase.
- Operation Hours, Loop Recording, Time Lapse, Password Protected.
- Built for any climate - IP66, Operation Temperature: -4 ~ 140°F / -20 ~ 60°C.
- The **E9P**, **E9PCF** and **E9PWF** models support SD/SDHC/SDXC memory card, maximum capacity 512GB *(not included).*

4. PARTS AND CONTROLS

The camera is equipped with an antenna, 36pcs IR or White LEDs, Indicator, Light Sensor, Optical Lens, PIR Sensors, Lock Holes in front view (*Figure 1*).

TIP: During use, the black PIR Lens may be dirty or have scratches, however it does not affect the performance due to the reliability design. If you must clean it, please try to blow it off or pick out the dirt very lightly. Please do not try to wipe it, which may cause more scratches.

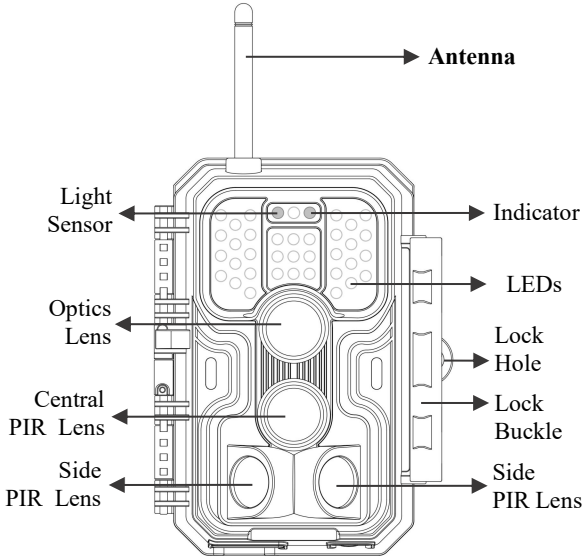


Figure 1: Front View

Install the antenna: The antenna is placed in the accessory slot on the right side of the package box. Please screw the antenna into the mounting base on the top of the camera and securely tighten it (*Figure 1*).

The **E9P**, **E9PCF** and **E9P Max** models are equipped with high-performance infrared **no-glow 940nm** LEDs, which serve

as a flash (invisible to human and animal eyes).
The **E9PWF** model is equipped with 36pcs high-performance **white flash** LEDs, which serve as a flash (visible to human and animal eyes).

The camera provides the following connections for external devices: Mini USB port and DC power slot etc. *(Figure 2)*.

Note: *The **E9P Max** model comes with a built-in memory card, so there is no SD card slot.*

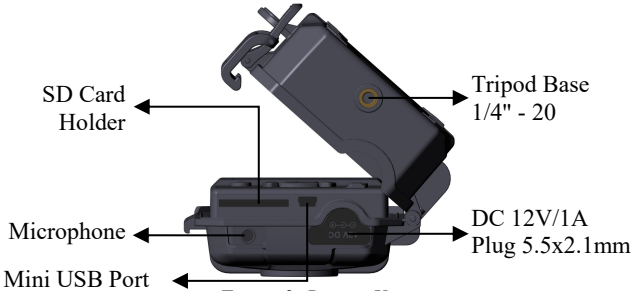


Figure 2: Bottom View

The camera has one security cable hole and two strap holes on the back. The strap can be put through the strap holes and fastened securely around a tree trunk by pulling the end of the strap firmly (*Figure 3*).

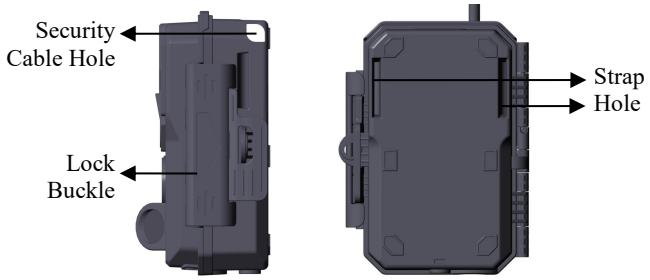


Figure 3: Right / Back View

The camera has a 2.4-inch built-in LCD screen, which can be used for reviewing pictures or videos and menu displaying, and exclusive keypad design for easy program and operation, a rechargeable battery included (*Figure 4)*.

Figure 4: Inside View

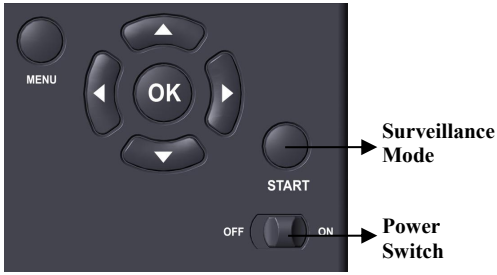


Figure 5: Operation Buttons

A power switch is used to power on (**ON** mode) or off the camera (**OFF** mode). A **START** button is used to quickly make the camera into the surveillance mode (motion detection) or time lapse per your settings *(Figure 5).* When the camera is in the surveillance mode, press the **START** button to wake up the camera.

5. INSTALLING THE BATTERY AND SD CARD

Before you begin learning how to use your camera, you will first need to insert an SD card *(for the **E9P**, **E9PCF** and **E9PWF** models)*. Although that may only take you a minute, there are some important notes about battery and SD card you should be aware of, so please take the time to **read the following directions and cautions**:

5.1. Loading Battery

Check whether the battery pack is correctly installed *(Figure 6)*.

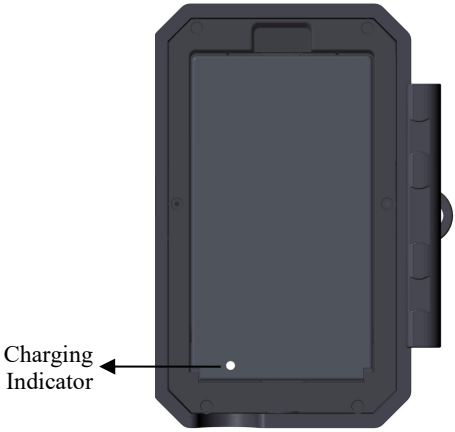


Figure 6: Loading the Battery Pack

5.2. Inserting the SD Card

For the **E9P Max**, you don't need to insert any SD card.

For the **E9P**, **E9PCF** and **E9PWF** models: insert the SD card (with the camera powered off), before beginning to operate the camera. Don't insert or remove the SD card when the camera is powered on or in the surveillance mode (*Figure 7*).

Figure 7: Inserting the SD Card

The following describes how to insert and remove the SD card:

- Insert the SD card into the card slot with its label side

upwards. 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. If the SD card is not installed correctly, the device will not display an SD card icon on the screen in **ON** mode. **Formatting the SD card** by using the camera's "Format SD Card" menu option before first use is recommended, especially when a card has been used in other devices.

- 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 is released from the slot and ready to be removed when you hear the click. Be sure the camera's power is switched **OFF** before inserting or removing SD cards or battery.

6. USING THE CAMERA

Once you've prepared your camera by properly installing battery and an SD card *(for the **E9P**, **E9PCF** and **E9PWF** models)*, you could simply take it outside, strap it to a tree (or not - according to your application scenario), switch it **ON,** press **START** button and leave-and you might get some great photos that are exactly what you wanted. However, we highly recommend that you first spend some additional time indoors with this manual and your camera until you know a bit more about what those control keys do. If nothing else, you'll probably want to at least set the date and time so the camera will imprint them (or not-it's your option) on your photos as they are taken, learn how to set the camera to shoot video clips instead of still photos if you like, and read some tips about mounting it on a tree.

7. THE OFF, ON, AND SURVEILLANCE MODES

The camera has three basic operational modes:

- **OFF** mode: Power switch in the **OFF** position (The camera is powered off).
- **ON** mode: Power switch in the **ON** position (The camera is powered on and its screen is on).
- **SURVEILLANCE** mode: When the camera is powered on, press **START** button to enter the surveillance mode. When the screen is off, the camera enters standby and will perform according to your settings.

App & Wi-Fi Connection*:*
You can use the app to connect the camera when the camera is operating in the **ON** or **SURVEILLANCE** mode.

7.1. OFF Mode

The **OFF** mode is the "safe" mode when any actions must be taken, e.g., replacing the SD card *(for the **E9P**, **E9PCF** and **E9PWF** models)* or battery, or transporting the device. And of course, when you are storing or not using the camera, you will switch it to **OFF.** Please note that in the **OFF** mode the camera still consumes a little power. It's a good idea to take the battery out of the battery compartment if the camera will not be used for a long time.

7.2. ON Mode

In the **ON** mode you can check and change the settings of the camera with the help of its built-in screen. These settings, found in the menu by pressing **MENU** key, let you change the photo or video resolution, interval between photos, switch the time imprint on, etc. *(See more in **Section 9 ADVANCED***

SETTINGS).

On the screen display, you will see an information screen that shows how many images have been taken, the battery level, camera or video mode, etc.

ATTENTION PLEASE*:* In the **ON** mode, the camera will automatically enter **SURVEILLANCE** mode if there is no operation (key pressing) within **5** minutes. Then the camera will perform as your settings in the menu.

In the **ON** mode, you can connect the camera to a computer's USB port to download your images.

7.3. SURVEILLANCE Mode

Any time after the battery and SD card *(for the **E9P**, **E9PCF** and **E9PWF** models)* have been inserted, you can switch on the camera. When the **START** button is pressed, the camera will enter into the **SURVEILLANCE** mode. If the Mode in the settings is set as "Motion Detection", the camera will count down a 30-second delay and then be ready to capture images. If the Mode is set as "Time Lapse", there will be no 30-second counting down, and the camera will be ready to enter Time Lapse.

Once in the **SURVEILLANCE** mode, no manual controls are needed or possible (the control keys have no effect). The camera will take photos or videos automatically (according to its current parameter settings).

TIP: You can press the **START** button again to wake up the camera and reprogram your camera if required.

8. Wi-Fi CONNECTION

8.1. Download GardePro Mobile App

Before using the Wi-Fi functionality, please download the "**GardePro Mobile**" app.

Download on the App Store GET IT ON Google Play

NOTES:
The screenshots shown in this section are indicative only. The actual diagram on different versions of app, iOS and Android may differ.

During the use of the GardePro app (Referred to as app), please grant the app access to Wi-Fi, Bluetooth, storage, location and camera of your device, and enable the Local Network *(if on iOS 14 or later)*, which are necessary to take pictures and videos.

8.2. Enable Wi-Fi and Bluetooth

Enable Wi-Fi and Bluetooth on your mobile phone before opening the app. This step is optional, however it can speed up the connection between app and camera.

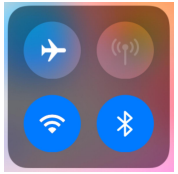


Figure 8: Enable Wi-Fi and Bluetooth

8.3. Add Your Camera

Ensure that your camera is in **ON** mode and in close proximity to you. To establish a stable connection, move within 45ft of the camera with no obstacles obstructing the signal, such as walls or glass doors.
Open the app, tap **Wi-Fi camera** (*Figure 9*).

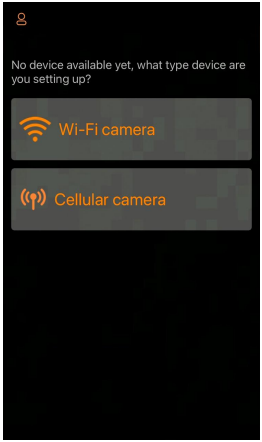


Figure 9: Tap to add your camera

NOTE: The app is an unified app, supports Wi-Fi camera and cellular camera *(sold separately)*.

8.4. Search Your Camera and Link

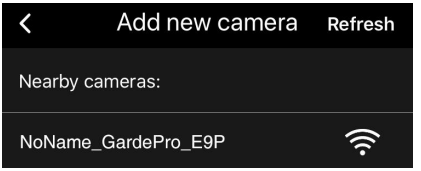


Figure 10: Select your camera

By default, in the list the camera will be indicated as ID "**NONAME_GardePro_E9P**" *(this manual uses the E9P model as an example)* if the camera name is not assigned. After you set the camera name in settings, the camera ID will be updated as "XXXX_GardePro_E9P" (XXXX is a 4-character choice, you can set your camera name).
The app automatically searches for all Wi-Fi trail cameras nearby, please make sure your camera is within the Wi-Fi range. This process may take up to 15 seconds. If there is no device shown in the list, please click the Refresh button on the top-right corner.

Tap the one you want to add (*Figure 10*). The app starts connecting to your camera. It might take up to 15 seconds to build the Bluetooth and Wi-Fi connection between the app and camera. There are 4 steps (Illustration omitted):
Step1 – Connecting through Bluetooth…
Step2 – Activating the camera…
Step3 – Searching Wi-Fi... The camera display will turn off during Wi-Fi connecting.
Step4 – Connecting through Wi-Fi…

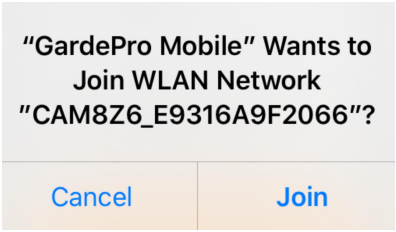


Figure 11: Allow Wi-Fi Connection on iOS Device

A system pop-up message will show (*Figure 11*).

Please tap "**Join**" to allow Wi-Fi connection. The string "CAM8Z6_E9316A9F2066" is the name of Wi-Fi hotspot on the camera to allow Wi-Fi connection. Among cameras, the prefix CAM8Z6 is fixed, E9316A9F2066 is the internal camera identifier which may vary from different cameras.

NOTE: *On Android devices, there might be different system pop-up messages that ask for allowing app connection to camera since different mobile phone manufacturers may modify and customize this system message.*

After connected, a pop-up message would show as below:

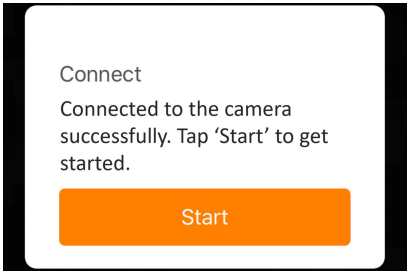


Figure 12: Connected

Tap "**Start**" to enjoy your app journey (*Figure 12*).

8.5. App Navigation

The app supplies 4 main features：Camera, Status, Settings and Gallery. See the *Table 1* and *Figure 13~16* for more details.

Table 1 - App Navigation

Features	Details	Refer to
Camera	Preview, manual taking pictures or videos. *Note: When your Wi-Fi camera is connected, motion detection will be disabled. It will be enabled again when you disconnect your Wi-Fi camera or close the app for 90 seconds.*	*Figure 13*
Status	Camera status, including battery level, total memory card capacity and used capacity, internal temperature of the camera, number of pictures and videos stored on the memory card, camera model, firmware version number, etc.	*Figure 14*
Settings	Display or program camera settings, such as mode, picture quality etc.	*Figure 15*
Gallery	Review or download the pictures or videos the camera has taken.	*Figure 16*

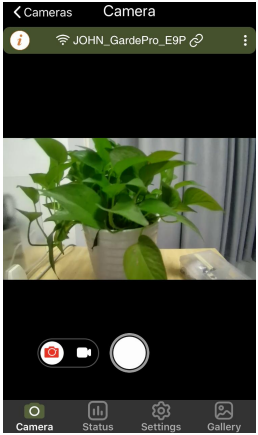


Figure 13: Camera

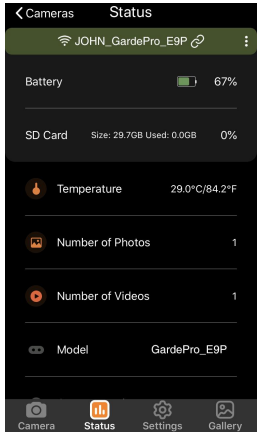


Figure 14: Status

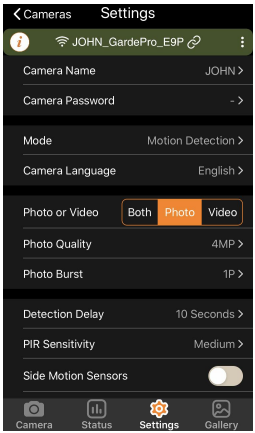


Figure 15: Settings

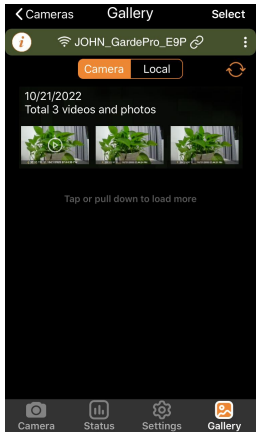
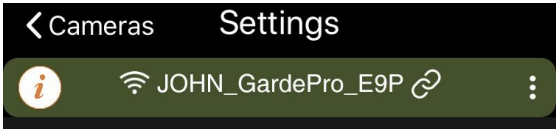


Figure 16: Gallery

8.6. Important Notes on App Wi-Fi Connection

No.	Notes
1	When the camera's Wi-Fi is connected, the camera will stop SURVEILLANCE (motion detecting or time lapse). Disconnect Wi-Fi to enable the camera to go back to SURVEILLANCE mode. ***TIP: How to re-enable the camera start motion detection?*** Tap the camera ID "JOHN_GardePro_E9P" to disconnect or remove the current camera, or add new camera (refer to the following figures). 
2	On the phone device, when the app is closed or runs in the background, there is a maximum of 90-second timeout of Wi-Fi connection between app and camera, before timeout, you can re-open and operate on the app without reconnecting. However, the camera will not work (capture motions) until the Wi-Fi timeout is done. Before timeout, you must disconnect Wi-Fi manually to enable the camera to capture motions.
3	When the app connects to the camera, the RED indicator will flash once.

9. ADVANCED SETTINGS

The trail camera comes with preset manufacturer settings. You can change the settings to meet your requirements. Once the camera screen is on, press **MENU** key to enter/exit the menu. Press the **UP/DOWN** key to move the marker, Press the **LEFT/RIGHT** key to change the setting, and press the **OK** key to confirm the change. Always remember to press the **OK** to save the change. Otherwise, you will lose your new setting.

Table 2 – Camera Settings

Parameter	Settings (**Bold** = default)	Description
Mode	Motion Detection, Time Lapse, Hybrid	In **Motion Detection** mode, the camera will take photos or videos once triggered. In **Time Lapse** mode, the camera will take photos or videos periodically according to your preset "Timelapse Interval" parameter. **Hybrid** mode includes both above.
Photo or Video	**Photo,** Video, Photo+ Video	Select whether still photos or video clips are taken.
Photo Quality	64MP 48MP 32MP 24MP 16MP 8MP **4MP**	Select desired resolution for still photos. Higher resolution produces better quality photos, but creates larger files that take more of the memory card capacity. Larger files require longer time to write to the memory card, which will slightly slow the shutter speed.

Photo Burst	**01,** 02, 03, 04, 05	Select the number of photos taken in sequence per trigger.
Video Quality	1296P **1080P** 720P	Select video resolution (pixels per frame). Higher resolution produces better quality videos, but creates larger files that take more of the memory card capacity.
Video Length	**10 seconds**, Optional from 3s to 5m	Select video recording length. *Note: It is highly recommended to set the night video length to less than 30 seconds as the IR LEDs or the white flash LEDs will consume more battery power.*
Video Sound	**On** Off	Selecting **On** will record video with sound.
Video Format	**MP4** MOV	MP4 is the mainstream format in the video industry, more compatible with any player. Select MOV in case some legacy digital camera software must be working with videos in MOV format.
Detection Delay	**10 seconds**, optional from 0s to 60m	Select the shortest length of time that the camera will wait until it responds to any subsequent triggers from the PIR sensor after a game is first detected. During the selected interval, the camera will not take pictures/videos. This prevents the memory card from filling up with too many redundant images. 0 means capture as fast as possible. *Note: this option is invalid if **Mode** is set as "Time Lapse".*

PIR Sensitivity	**High**, Medium Low	Select the sensitivity of the PIR sensor. Temperature affects the sensitivity. The High setting is suitable when the ambient temperature is warm or you want to capture distant objects or capture more, and the Medium/Low setting is helpful in cold weather and good for less false trigger. *Note: this option is invalid if **Mode** is set as "Time Lapse".*
Side Motion Sensors	On **Off**	Selecting **On** will activate the side motion sensors. It brings faster trigger speeds and helps capture fast moving animals. When any of the two side motion sensors detects a motion event, the camera will be pre-activated. While the animal enters the detection area of the center motion sensor, the camera will start taking photos or videos. Select **Off** to save battery power.
Motion Test		This feature helps you aim the camera at your target area. Please refer to the details in *Section 10.2*.
Timelapse Interval	**First Shot Time:** hh:mm	Set the earliest shot time after Time Lapse or Hybrid mode is enabled. If you would like to get photos earlier, it is recommended to set it later than the current time.
	Interval: optional from 3s to 24h	Set time lapse interval. It takes effect ONLY when **Mode** is set as Time Lapse or Hybrid, the camera will automatically take photos/videos according to the set interval, regardless of whether the PIR

		sensor has detected any game. This is helpful when observing cold-blooded animals like snakes, or the process of flowering, etc. *Note: This option is invalid if **Mode** is set as "Motion Detection".*
Timelapse Period	On **Off**	Selecting **On** to set a specific working time period for your camera in Time Lapse mode or Hybrid mode. You can set up to 2 different time periods for the camera, and it will not capture time-lapse photos or videos outside of those periods. *Note: This option is invalid if **Mode** is set as "Motion Detection".*
WIFI	**On**/Off	Selecting **On** to enable Wi-Fi, you can use the app to connect the camera. Selecting **Off** to disable Wi-Fi, the camera will operate in stand-alone mode and save battery power. *Only change CHX when you feel WiFi signal is not good or you have multiple WiFi cameras nearby.*
Date / Time	M/D/Y hh:mm AM/PM	M – Month, D – Day, Y – Year hh – Hour, mm – Minute *Note: Use **"LEFT/RIGHT"** key to switch parameters, use **"UP/DOWN"** to set current date and time. Date input format may change. Please refer to **"Date Format"** parameter settings accordingly.*

Date Format	D/M/Y **M/D/Y** Y/M/D	Select date format which will be shown on the screen and each capture.
Time Format	**12h** 24h	Select time format which will be shown on the screen and each capture. 12h - AM/PM
Camera Name	On **Off**	Select **On** to assign a name, 4-character long, in the form of Capital A-Z, 0-9 to record the location in the photos (e.g. A123 for Yellow Stone Park). This helps multi-camera users identify the location when reviewing the photos.
Info Strip	**On** Off	Select **On** to show date, time, temperature, moon phase on each capture.
Loop Recording	On **Off**	Selecting **On** option will cause the oldest files to be overwritten with new captures when the memory card reaches its capacity. With **Off** option selected, the camera will stop capturing images once the memory card reaches capacity.
Operation Hours	On **Off**	Select **On** if you only want the camera to work within a specified time period every day. For instance, if the starting time is set at 18:35 and the ending time at 8:25, the camera will function from 18:35 the current day to 8:25 the next day. Outside the time period the camera will not be triggered. *Note: This option is ONLY valid if **Mode** is set as "Motion Detection" .*

Password	On **Off**	Set up a 4-digit password to protect your camera from unauthorized users. If the code is lost, you can contact customer support to reset the password.
Format SD Card	Yes **No**	All files will be deleted after formatting the memory card. For the **E9P, E9PCF** and **E9PWF** models, it's highly recommended that you format the memory card if it has been used previously in other devices. ***Caution: make sure wanted files on the memory card have been backed up first!***
Factory Reset	Yes **No**	Selecting **Yes** will return all your previous settings back to the manufacturer default.
Version	Defined	Display the version of the camera.

10. MOUNTING AND POSITIONING

10.1. Mounting

After you've set up the camera's parameters to your personal preferences at home, you're ready to take it outside. When setting up the camera for scouting game or other outdoor applications, you must be sure to mount it in place correctly and securely.

For optimal picture quality, we recommend mounting the camera on a sturdy tree with a diameter of approximately 6 inches (15cm). The tree should be positioned about 16-17 feet (5m) away from the area you want to monitor. The camera should be placed at a height of 2.5-3.5 feet (0.75-1m). It's important to note that the best results will be obtained at night

when the subject is within the ideal flash range. To achieve optimal results, ensure that the subject is positioned within a range of 10-100 feet (3-30m) from the camera.
Note: The **E9PCF** model is unique, featuring a close-focus lens that allows for capturing objects as close as 8 inches (20cm).

There are two ways to mount the camera: using the provided adjustable web belt, or the tripod socket.
Using the adjustable strap: In order to use the strap on the camera**,** push one end of the strap through the two brackets on the back of the camera**.** Thread the end of the strap through the buckle. Fasten the strap securely around the tree trunk by pulling the end of the strap firmly so there is no slack left (*Figure 17*).
Using the tripod socket: The camera is equipped with a socket at the bottom end to enable mounting on a tripod or other mounting accessories with a standard *UNC 1/4-20* thread screw *(not included)*.

Figure 17: Mounting the Camera

10.2. Sensing Angle and Distance Test

To test whether the camera can effectively monitor the area you choose, this test is recommended to check the sensing angle and monitoring distance of the camera**.** To perform the test:

- Switch the camera to the **ON** mode.
- Press **MENU** button, go to "**Motion Test**". The camera will count down a max 60-second delay and be ready to capture motion. *(Note: The delay time may be less than 60 seconds, depending on the actual time of the motion sensor to be activated. The delay time is 60 seconds minus the power-on time.)*
- Close the camera door.
- Make movements in front of the camera at several positions within the area where you expect the game or subjects to be. Try different distances and angles from the camera.
- When the white motion indicator LED flashes in **RED**, it indicates that the camera is able to sense the position. However, if the LED doesn't blink, it means that the position lies beyond the sensing range. *(Note: The red light will blink only when the motion is within the sensing area of the central PIR sensor. The central sensor's sensing angle of view is 60°. Each of the side sensors has a 30° angle of view, which is only used to pre-activate the camera and accelerate the triggering speed, there is no RED light blinking whatever each of the side sensors detects motions.)*
- In these sensing tests, the camera will take pictures once motion is captured. When you open the camera, the screen shows the number of times triggered, you can review the pictures on the screen.

The results of your testing will help you find the best

placement when mounting and aiming the camera**.** The height above from the ground for placement of the device should vary with the size of animal you are hoping to see. In general, 3 to 6 feet is preferred.
You can avoid potential false triggers due to temperature and motion disturbances in front of the camera by not aiming it at a heat source or nearby tree branches or bush (especially on windy days).
Do NOT install the camera behind the glass window as that is not possible to sense any motion. Avoid aiming the camera toward to any glass objects.

10.3. Starting

The camera supports three working modes, "Motion Detection", "Time Lapse" and "Hybrid", press **START** button to enter surveillance mode.
(1) If you set the camera's working mode as "Motion detection" in the menu, the camera will count down a 30-second delay, and then will be ready to go into standby (surveillance) and capture. Any motion that is detected by it will trigger the capture of an image or video as programmed in the menu. Be sure you have read the descriptions of the Detection Delay, and PIR Sensitivity parameters.
(2) If you set the camera's working mode as "Time Lapse" in the menu, the camera will be ready to go into "Time Lapse" mode soon after the START button is pressed, and then will take images periodically according to your preset "Timelapse Interval" parameter, regardless of the settings "Detection Delay".
(3) If you set the camera's working mode as "Hybrid" in the menu, the camera will work according to the above two modes.

11. REVIEW PHOTOS OR VIDEOS

After you have setup, mounted and activated your CAMERA, you will of course be eager to return later and review the images it has captured for you. The camera stores photos and videos in the folder \DCIM\100MEDIA in the memory card. Photos are saved with file names like DSCF0001.JPG and videos like DSCF0001.MP4. The MP4 video files can be played back on most popular media players, such as Windows Media Player, QuickTime, VLC etc.
There are different ways this can be done.
You can review photos or videos directly on the camera screen or in the app's gallery bar.
Or when the camera is powered on, you can use the provided USB cable to download the files to a computer.
Or for the **E9P, E9PCF** and **E9PWF** models, you can put the SD card into an SD card "reader" *(not included)*, plug into a computer, and browse the files on the computer without downloading.

12. TECHNICAL SPECIFICATIONS

Element	Description
Wi-Fi	2.4GHz 802.11 b/g/n
Bluetooth	BLE 5.0
App System Requirements	IOS 11.0 or later Android 7.0 or later
Working Mode	Motion detection, Time lapse or Hybrid
Max. Pixel Size	64MP
Optics Lens	**E9P/E9P Max**: f/1.6, FOV=70°, Auto

	IR-Cut
	E9PWF: f/1.6, FOV=70°
	E9PCF: f/2.0, FOV=130°, Auto IR-Cut
IR Flash or White Flash	100ft. (30m)
LCD Screen	2.4" Color screen
Keypad	7 Keys, 1 Power switch
Memory	The **E9P, E9PCF** and **E9PWF** models require SD, SDHC or SDXC standard memory card (Not included), max capacity 512GB. The **E9P Max** model comes with built-in memory card, capacity varies from models: **E9PMB** with 32GB storage, **E9PMC** with 64GB storage, **E9PMD** with 128GB storage.
Picture Resolution	64MP, 48MP, 32MP, 24MP, 16MP, 8MP, 4MP
Video Resolution	2304 x 1296P@20fps (16:9), 1920 x 1080P@30fps (16:9), 1280 x 720P@30fps (16:9)
PIR Sensitivity	High/Normal/Low
PIR Sensing Distance	90ft. (27m) (Below 77°F/25°C)
PIR Sensing Angle	Total 120° (while side motion sensors enabled). Central zone: 60°, Left side: 30°, Right side: 30°
Trigger Time	Approx. 0.1~0.5 seconds (0.1s while side motion sensors enabled)
Trigger Interval	0sec.-60min, Programmable

Shooting Numbers	1~5
Video Length	3sec ~ 5min., Programmable
Info Strip	On /Off
Operation Hours	On /Off, Specific working period of time
Password	4-Digit Code
Camera Name	4-Character (A-Z, 0-9)
Time Lapse Interval	3 Seconds ~ 24 Hours
Power Supply	1 x Rechargeable 8000mAh Battery (included)
Stand-by Time	8 Months in Stand-by
Auto Stand-by	Auto Stand-by (Surveillance mode) in 5 minutes while no operation in **ON** mode
Interface	Mini-USB, Standard size SD card holder *(for the **E9P**, **E9PCF** and **E9PWF** models)*, External Power (DC 12V/1A, Plug 5.5x2.1mm)
Mounting	Strap, Tripod Base (1/4-20)
Waterproof	IP66
Operation Temperature	-4 ~ 140°F / -20 ~ 60°C
Operation Humidity	5% ~ 95%
Product Dimensions	5.6 x 4.2 x 2.86 inch

13. TROUBLESHOOTING

If your camera does not seem to be functioning properly or if you are having photo/video quality issues, please run these

simple and quick checks:

- Make sure the camera is powered on and in the correct mode.
- For the **E9P**, **E9PCF** and **E9PWF**, format the SD card in the camera or replace the SD card, since the SD card is a storage media and sometimes it might be unstable
- Check battery power level if night vision seems not to be working as expected.
- For the **E9P**, **E9PCF** and **E9P Max**, the dark background of night images is usually caused by strong reflections from the obstacles close to the camera. To get the best night image, please remove close-up obstacles (such as walls or tree trunks) in front of the camera as possible, or adjust the installation position of your camera to avoid these obstacles *(Figure 18)*.

Figure 18: Avoid close-up obstacles in front of the camera

If your unit is still having trouble, please contact us, providing us with your order number, or **check the website to determine that you are using the latest firmware and app.** Please be assured we will make the things right for you.