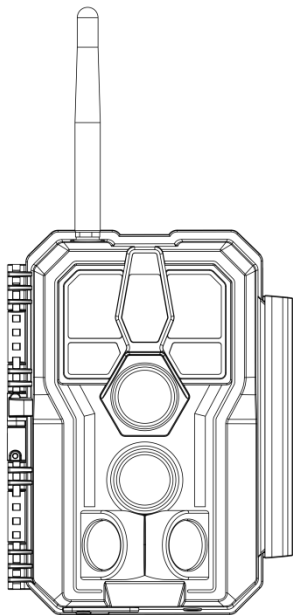


GardePro

X66 3.0 Ultra TRAIL CAMERA



INSTRUCTION MANUAL

V1.0

Congratulations on your purchase of one of the best trail cameras! We appreciate your business and want to earn your trust. Please refer to the instructions in this manual to ensure that you are completely satisfied with this product. In case of any further questions or concerns, please contact us at:



support@gardepro.com



www.gardepro.com

TABLE OF CONTENTS

1. IN THE BOX	1
2. IMPORTANT NOTE	1
2.1. About Battery	1
2.2. About SD Card	1
2.3. About Cellular SIM Card	1
3. PARTS AND CONTROLS	2
4. INSTALLING THE BATTERY AND SD CARD	5
4.1. Installing the battery	5
4.2. Inserting the SD Card	6
5. USING THE CAMERA	6
5.1. Install GardePro Mobile App	6
5.2. Add Your Camera	7
5.3. Login Your Account	7
5.4. Activate Camera	7
5.5. Get the First Picture	10
5.6. SURVEILLANCE Mode	11
6. ADVANCED SETTINGS	12
7. MOUNTING AND POSITIONING THE CAMERA	20
7.1. Mounting	20
7.2. Sensing Angle and Distance Test	20
8. REVIEW PHOTOS OR VIDEOS	21
9. TROUBLESHOOTING	22

1. IN THE BOX

1 x Camera, 1 x Mounting Strap, 1 x Antenna, 1 x Cellular SIM card (*pre-installed*), 1 x Instruction Manual, 1 x USB Cord, 1 x Lithium-ion Battery Pack (*pre-installed*), 1 x Battery Instruction Manual.

Note: Memory card is not included (user supplied), 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 charge the battery first.

2.2. About SD Card

Require a full-size SDHC/SDXC memory card (maximum capacity 512GB). Recommend using SanDisk 32GB SDHC Class 10 memory cards 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.

2.3. About Cellular SIM Card

Your camera comes with a pre-installed cellular SIM card. To see which countries and network operators are supported by the cellular SIM card, please refer to the following link:
www.gardepro.com/pages/cellular-carriers

Please ensure that the 4G signal is strong in the area where the camera is installed. Your camera **ONLY** supports the pre-installed GardePro cellular SIM card and is not compatible with any other cellular SIM cards. If you have multiple cellular cameras, please avoid swapping the SIM cards between them.

3. PARTS AND CONTROLS

The camera is equipped with 36pcs high efficiency infrared LEDs, LED Indicators, Lens, PIR Sensors, Lock Buckle 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.

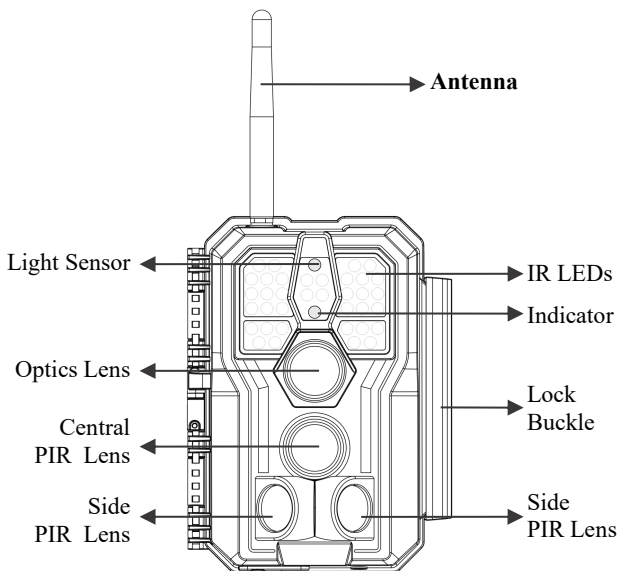


Figure 1: Front View

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

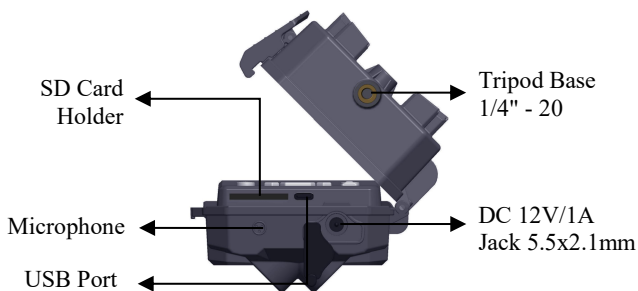


Figure 2: Bottom View

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*).

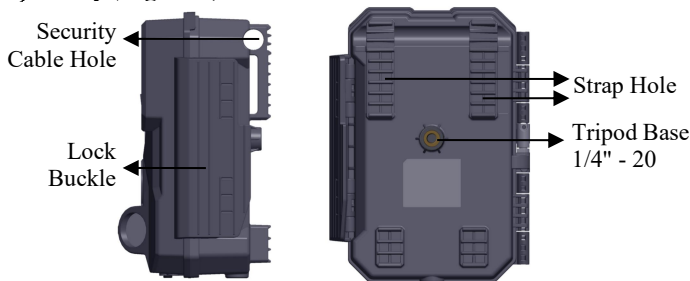


Figure 3: Right / Back View

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*).

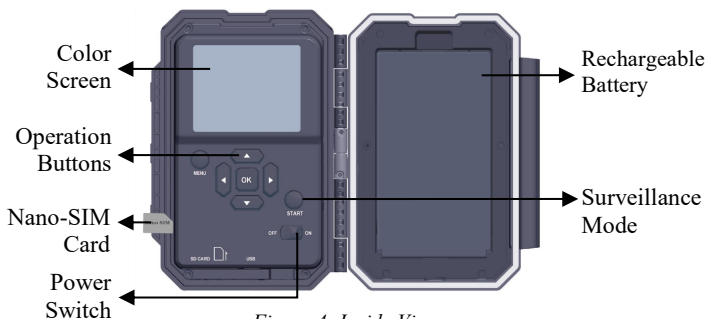


Figure 4: Inside View

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 4*). When the camera is in the surveillance mode, press the **START** button to wake up the camera.

4. INSTALLING THE BATTERY AND SD CARD

4.1. Installing the battery

Check whether the battery pack is correctly installed (*Figure 5*).

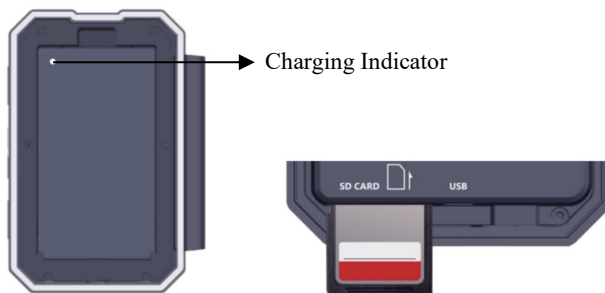


Figure 5: Installation of battery and SD card

4.2. Inserting the SD Card

Insert the SD card (with the camera powered off), before beginning to operate the camera (*Figure 5*).

- Insert the SD card into the card slot with its label side upwards. A "click" sound indicates that the card is installed successfully. 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). Be sure the camera's power is switched **OFF** before inserting or removing SD cards or battery.

5. USING THE CAMERA

5.1. Install GardePro Mobile App

Go to the Apple Store or Google Play to install the "**GardePro Mobile**" app on your phone.



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

5.2. Add Your Camera

Open the app, Please tap **Cellular Camera**.

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

5.3. Login Your Account

Log in to your account to manage your cellular cameras, **please tap Login**. Please enter your account and password to log in.

To add a cellular camera for the first time, you need to sign in. On the Sign In page, tap **Create account**, **enter your email**, **and select the region where your camera is intended to be used**. Then follow the steps to complete your registration.

***Note:** Once you have signed up, the next time you log in, or if you forget your password and need to update your password, please make sure that the selected region is correct.*

5.4. Activate Camera

After logging into your account, please make sure your camera is nearby and powered ON.

Once the camera finishes preparing, follow the on-screen steps to enter the QR code screen.

In the app, select X66 series camera, then follow the **Quick Start** steps shown in the app.

At the final step of Quick Start, use the app to scan the QR code displayed on your camera's screen.

After scanning, the app will take you to the plan selection page. Please choose a subscription plan to continue.

Once you've completed your plan subscription, the camera will begin activating the SIM card.

When activation is successful, the camera will enter the home screen, and the icons at the top will update accordingly (*Figure 6*).

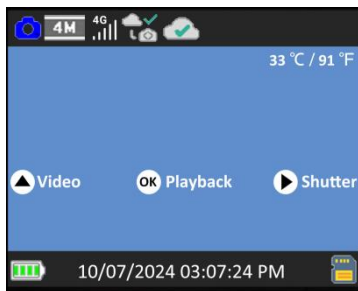


Figure 6: Icons at the top of the camera screen

Wait for the cellular is connected and camera is activated (until the following icons shows on the top bar of camera screen).



During the activating, there are icons to indicate the cellular status:

Category	Icon	Description
Cellular Signal		No SIM card detected.

		The camera is searching for available cellular network.
		No cellular network service available.
		"4G" indicates the camera is using 4G cellular network, it may automatically change to "3G" (according to local cellular network), and the white "signal bar" indicates signal strength. <i>Note: In 3G or 4G cellular network, the camera can send pictures or videos.</i>
Cellular Connection		Cellular network is not connected.
		The camera is not within the cellular network service area.
		Cellular network is successfully connected.
Device Activation		The camera is not activated.
		The camera and the SIM card is unmatched (e.g. the camera has been bound with other SIM card).
		The camera has been activated successfully.

In the app, once your camera is activated, the orange bar on the camera status page will change to green (*Figure 7- 8*).

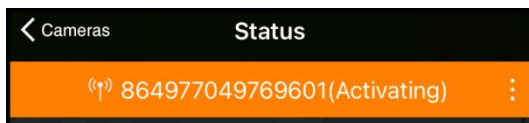


Figure 7: Activating



Figure 8: Activated

The ID "864977049769601" (cellular ID, just for example) will turn into your camera name (e.g. you have programmed your camera name as "JOHN"). Please note this ID may vary from different camera and its SIM card.

Once "Cellular Instant" is enabled in the settings page of the app, the word "**Online**" (Figure 9) will be displayed in the status bar. (See more in **Section 6 ADVANCED SETTINGS**).



Figure 9: Online

5.5. Get the First Picture

After successfully activating the camera, you can get the first photo as follows:

- In the app, go to the **Cameras** list, tap the camera you want to configure, and go to the **Status** tab.
- Tap the **More button** in the top status bar and select **Take a photo** (Figure 10). The camera will take a photo based on your command and upload it via the cellular network.

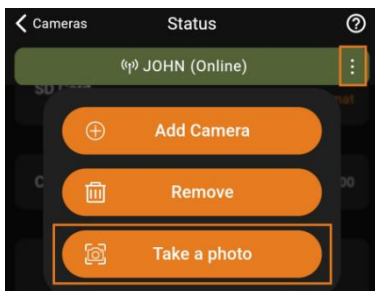


Figure 10: Take a photo

- Wait for a few minutes, then go to the Gallery tab to view the photo sent from the camera.

***Note:** It may take several minutes for the photo to arrive depending on network conditions.*

5.6. **SURVEILLANCE Mode**

SURVEILLANCE Mode is the monitoring state where the camera automatically captures photos or videos based on your settings.

Once the camera is activated and powered ON, press the **START** button to enter **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 settings).

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

6. 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.

Also you can program your camera in the app.

***Note:** All camera settings programmed through the app will not take effect until the next "Cellular Transfer" cycle. After the setting takes effect, the orange bar on the left of the modified settings will disappear. Considering cellular network transmission speed and power saving, the app will limit photo quality and size, video quality and length. If your camera has not been activated, some settings in the camera menu may be restricted.*

Parameter	Settings (Bold =default)	Description
Cellular	On Off	Selecting On to enable cellular, you can use the app to connect the cellular network. Selecting Off to disable cellular, the camera will operate in stand-alone mode and save battery power.
Activation Code		It is used for activating the camera. Scan it in the app during the setup.

Cellular Info		Details of cellular modem and network, such as Adapter, IMEI, Configure, Status, Signal, SIM, Network, Name, PIN, ICCID, IMSI, APN, PDP etc.
Cellular Instant (Only on app settings)	On Off	By enabling Cellular Instant, you will be able to live stream and receive captures in real-time. However be aware that this may consume more of your data plan and battery power. <i>Note: In order to live stream, a valid live stream add-on data plan must be purchased if there is no valid live stream balance.</i>
Cellular Transfer (Only on app settings)	Transfer on Each Capture: On/Off	Selecting On , the cellular network will send picture to phone after each capture by the camera. <i>IMPORTANT Note: Enabling it will significantly consume battery power due to frequent uploads. Set it to Off in most cases.</i>
	First Transfer time: hh:mm	Select the first time that the cellular network sends picture to phone (if camera has taken photos).
	Transfer Interval: 00:30 -24:00 (1 day)	Select the transfer interval, e.g. 6, 12, 24 hours to conserve battery power. <i>Note: Due to network reasons, the actual transfer time may be delayed few minutes from the specified time.</i>

	Max. Transfer Time: 5, 10, 15, 20 minutes	The maximum time for uploading pictures or videos. In case the uploading is incomplete due to quantities or poor cellular, it will continue in next transfer cycle.
Cellular Photo Quality	320 x 180, 640 x 360, 960 x 540	Select desired resolution for Cellular photos (<i>preview photos in app Gallery</i>).
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	4MP - 64MP	Select desired resolution for still photos.
Photo Burst	01, 02, 03	Select the number of photos taken in sequence per trigger.
Video Quality	2160p 4K 1440p 2K 1080p	Higher resolution produces better quality videos, but creates larger files that take more of the SD card capacity.
Video Length	10 seconds, Optional from 3s to 5m	Select video recording length. <i>Note: It is highly recommended to set the night video length to less than 30 seconds as the IR LEDs will consume more battery power.</i>
Video Sound	On Off	Selecting On will record video with sound. Then press the "OK" button to

		select the level from high, medium and low. Note: <i>The lite video in the app's gallery page has no sound.</i>
Video Format	MP4 MOV	MP4 is the mainstream format in the video industry. Select MOV in case some legacy digital camera software must be working with videos in MOV format.
Detection Delay	10 seconds, optional from 3s 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.
PIR Sensitivity	High Medium Low	Select the sensitivity of the PIR sensor. Temperature affects the sensitivity. The High setting is suitable when you want to capture distant objects or capture more, and the Low setting is good for less false trigger.
False Trigger Suppression	High Medium Low	From low to high, the degree of false trigger suppression is gradually increasing. When the camera is experiencing excessive false triggers, such as capturing a large number of photos without any moving objects, it is recommended to set the suppression level to "High".

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 7.2 .
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.
Timelapse Period	On Off	Selecting On to set a specific working time period for Time Lapse . 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. <i>Note: This option is applicable ONLY if the Mode is set as Time Lapse or Hybrid.</i>
GPS	On Off	Selecting On to enable GPS, you can use the app to check the camera's location.
GPS Test		Press " OK " to enter the GPS positioning test. If the latitude and longitude are displayed on the right side of "Location", the positioning function is working properly. If not, please try moving the camera to a different location. <i>Note: For best results, please perform this test outdoors.</i>
GPS Interval	1 day 3 day 7 day	Select the interval for the camera to report GPS location data. Select higher value to reduce battery power consumption.
Date / Time	M/D/Y hh:mm	M – Month, D – Day, Y – Year hh – Hour, mm – Minute <i>Note: Use "LEFT/RIGHT" key to switch, use "UP/DOWN" to set. Date input format may change. Please refer to "Date Format".</i>
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
Temperature Unit	°C °F	Select temperature unit which will be shown on the screen and each capture.
Camera Name	On Off	Select On to assign a 4-18 character code (letters a/A-z/Z, numbers 0-9) to record the location in the photo.
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	Selecting On to set a specific working time period for Motion Detection. 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. <i>Note: This option is applicable ONLY if the Mode is set as Motion Detection or Hybrid.</i>
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 SD card. We highly recommend you to format the SD card if it has been used previously in other devices. <i>Caution: make sure wanted files on the SD card have been backed up first!</i>
Factory Reset	Yes No	Selecting Yes will return all your previous settings back to the manufacturer default.
Advanced Settings		Set the camera SIM card mode to automatic or manual by "Advanced Settings > SIM Services > Multi IMSI > Select Mode", and try the options under "Manual". Please change it with caution. ONLY change it to manual mode if the camera cannot be activated or fails to connect to the 4G network. For instructions on how to set the mode, please reach out to the seller's support or visit: <u>www.gardepro.com/apps/docs/cellular-r-trail-camera-faq/cellular-sim</u>
Version	Defined	Display the version of the camera.

7. MOUNTING AND POSITIONING THE CAMERA

7.1. Mounting

After adjusting the camera's settings to your preferences at home, you can take it outside. When setting it up for scouting game or other outdoor uses, make sure to mount it in place correctly and securely. We recommend mounting the camera on a sturdy tree with a diameter of about 6 inches (15 cm). Position the camera 16-17 feet (5 m) away from the area you want to monitor, and place it at a height of 2.5-3.5 feet (0.75-1 m). For the best night results, keep subjects within 10-100 feet (3-30 m) of the camera.

There are two ways to mount the camera: using the adjustable mounting strap, or the tripod socket.

***Note:** The camera features threaded sockets on both the bottom and back, enabling it to be mounted on a tripod or other accessories using a standard UNC 1/4-20 screw (not included).*



7.2. Sensing Angle and Distance Test

To test the camera's effectiveness in monitoring your chosen area, follow these steps:

- Switch the camera to the **ON** mode.
- Press **MENU** button, go to "**Motion Test**". The camera will count down for up to 60 seconds before it can capture motion. (***Note:** The actual delay may be shorter, depending on how quickly the motion sensor activates.*)
- Close the camera door.

- Make movements in front of the camera at various positions and distances within the expected monitoring area.
- When the white motion indicator LED flashes **RED**, the camera has detected motion. If it doesn't blink, the position is outside the sensing range. (*Note: The red light only blinks when motion is detected within the central PIR sensor's 60° sensing angle. The side sensors have a 30° angle of view and are used to pre-activate the camera; they do not trigger the red light.*)
- The camera will take pictures when it detects motion. After the test, check the screen to see how many times it was triggered and review the images.

The results will help you find the best placement for the camera. Ideally, it should be mounted 2.5 to 5 feet off the ground, depending on the size of the animals you're monitoring.

To prevent false triggers from temperature changes or nearby movement, avoid pointing the camera at heat sources or nearby branches and bushes, especially on windy days.

Do NOT install the camera behind glass, as it will not detect motion through the window. Also, avoid aiming the camera at any reflective surfaces.

8. REVIEW PHOTOS OR VIDEOS

After setting up and mounting your camera, you can review the captured images later. The camera stores photos and videos in the folder \DCIM\100MEDIA on the SD card. Photos are named DSCF0001.JPG, while videos are named DSCF0001.MP4. You can play MP4 files on popular media players like Windows Media Player, QuickTime, and VLC.

You have a few options to review the files:

Press the **"OK"** button in the home screen to enter playback mode and view photos or videos directly on the camera screen.

Or with the camera powered on, connect it to your computer using the provided USB cable to view or download files from the SD card.

Or insert the SD card into an SD card reader (not included), connect it to your computer, and then view or download files.

9. 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.
- 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.
- 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 11*).



Figure 11: 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.