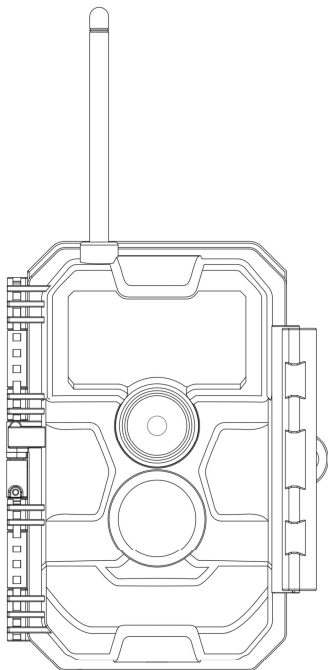


Wi-Fi TRAIL CAMERA



MODEL#: W600 INSTRUCTION MANUAL

V1.0

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1. IN THE BOX

1 x Camera, 1 x Mount Strap,
1 x Instruction Manual, 1 x Mini USB Cord

Note: Memory card and batteries are not included (user supplied).

2. IMPORTANT NOTE

2.1. About Batteries

Require eight (8) 1.5V AA Alkaline or Lithium batteries. We recommend the use of Energizer AA Lithium batteries in this camera to obtain maximum battery life.

Do not mix old and new batteries.

Do not mix battery type.

Rechargeable AA batteries are NOT recommended as the lower voltage they produce can cause operational issues.

Remove batteries when the camera is NOT in use.

2.2. About SD Card

Require a regular SD memory card (max capacity 256GB, Class 10). We recommend using SanDisk 32GB SDHC/Class10 memory cards in the camera to obtain the best cost-performance.

Before use, please format your SD card in the camera.

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 W600 is a new generation of Wi-Fi trail camera. The camera has a built-in Wi-Fi and Bluetooth module, so that you can connect and operate the camera through a dedicated APP (“TrailCam 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 imaging technology, encompasses smart night vision, blur reduction, and noise reduction technology to deliver high resolution image quality.

3.2. MAIN FEATURES

- Bluetooth connection for device discovery
- Wi-Fi connection for preview, playback, and settings
- High quality pictures (24MP still photos), 1296P 20fps or 1080P 30fps H.264 video clips with audio
- Clear night vision, flash range 75ft, equipped with no glow 940nm LEDs
- Wide view angle - 110°
- Easy to use with well-designed operation buttons and built-in 2.4-inch color screen, easy to program, review

pictures and videos on the screen

- Two working modes - Motion detection and Time lapse
- Fast trigger time - approx. 0.5s, Fast recovery time - 0.5s, Long trigger distance up to 75ft, Detection Angle - 70°
- Info strip on each capture: Date, Time, Temperature & Moon phase
- Operation hours, Loop recording, Password protected
- Built for any climate - IP66, Operation Temperature: -4~140°F
- Support SD/SDHC/SDXC memory card, max capacity 256GB (*user supplied*)
- Extremely long in-field battery life up to 8 months in a stand-by state with 8 AA 1.5V batteries (*user supplied*)

3.3. APPLICATIONS

The camera can be used as follows:

- For hunting and tracking animals' trace or habits
- For wildlife observing and researching, captures pictures and videos of wild animals
- As a sports camera, for riding, driving, camping or exploring
- As a motion-triggered security camera, for home, farm, office and community
- All other indoor & outdoor surveillance where invasion evidence needed

4. PARTS AND CONTROLS

The camera is equipped with 36pcs high efficiency infrared LEDs, LED Indicators, Lens, PIR Sensors, Lock Holes in front view (*Figure 1*).

TIP: During use, if the black PIR Lens is found to be dirty,

it does not affect the performance. If you must clean it, please try to blow it off or pick out the dirt very lightly. Do not try to wipe it, which may cause more scratches. Due to the reliability design of the PIR lens, scratches do not reduce the PIR detection performance.

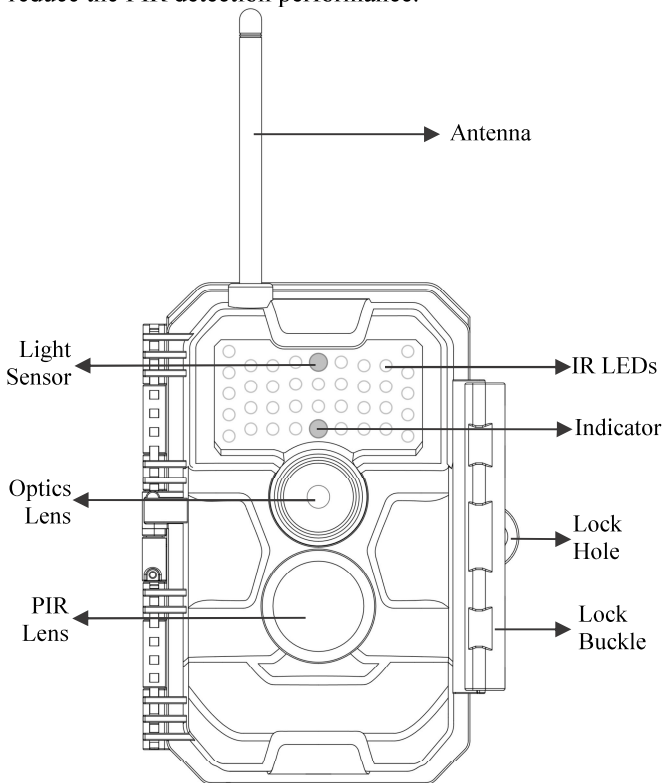
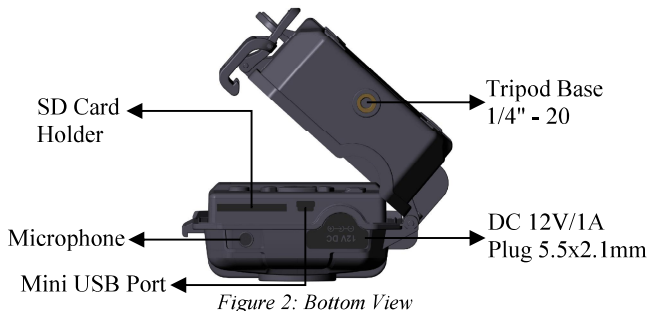


Figure 1: Front View

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



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*).

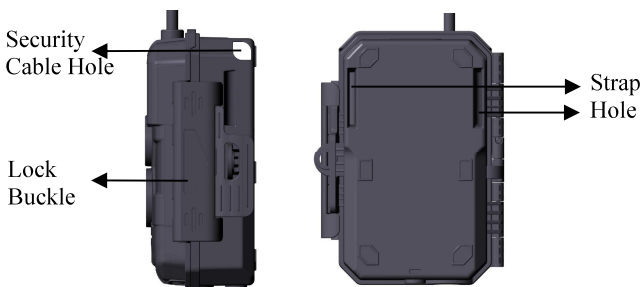


Figure 3: Right / Back View

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, 8 AA batteries slot supported (*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 BATTERIES AND SD CARD

Before you begin learning how to use your camera, you will first need to install a set of batteries and insert an SD card. Although that may only take you a minute, there are some important notes about both batteries and SD cards you should be aware of, so please take the time to **read the following directions and cautions**:

5.1. *LOADING BATTERIES*

After opening the cover of the battery compartment, you will see that the camera has eight battery slots (*Figure 6*). A full eight batteries must be installed for the camera to operate. Be sure to insert each battery with correct polarity (negative or "flat" end against the long spring of each battery slot).

In **ON** mode when battery power level gets low, the message "**Low Battery**" will show on the screen, please replace the batteries. If the message "**Night vision is unavailable at low voltage**" shows on the screen, the batteries still work at daytime until "Low Batteries", but this does mean the batteries are not able to drive IR LEDs flash at night, if you want to continue night vision, please replace the batteries.

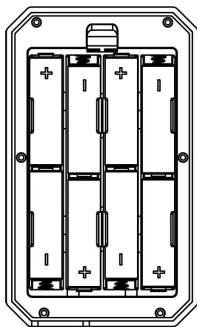


Figure 6: Loading the Batteries

5.2. INSERTING THE SD CARD

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*).

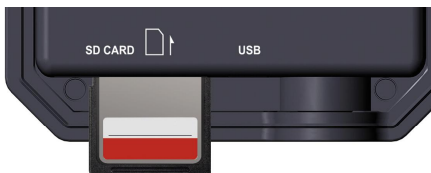


Figure 7: Inserting the SD Card

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 batteries.

6. USING THE CAMERA

Once you've prepared your camera by properly installing batteries and an SD card, 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 or batteries, 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 batteries 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

Anytime after the batteries and SD card 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 countdown 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 TrailCam Mobile APP

Before using the Wi-Fi functionality, please download the “TrailCam Mobile” APP.



NOTES:

The screenshot 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 “TrailCam Mobile” APP (Referred to as APP), please grant the APP access to Wi-Fi, Bluetooth, storage, location and camera of your device, taking pictures or recording video is needed.

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.

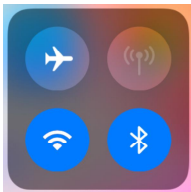


Figure 8: Enable Wi-Fi and Bluetooth

8.3. Add Your Camera

Make sure your camera is in **ON** mode, and that it is near you. To get a stable connection, please get close to your camera no farther than 45ft away with no obstacles between you and the camera, such as walls, glass doors etc.

Open the APP, tap the orange stripe on the top to add your camera:

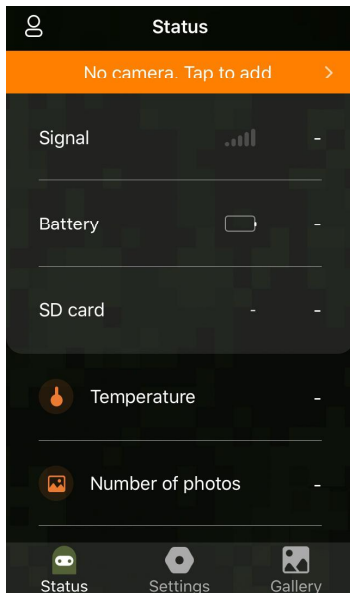


Figure 9: Tap to add your camera

8.4. *Select Camera Type*

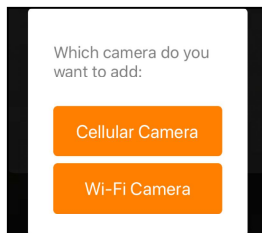


Figure 10: Select Wi-Fi camera type

Please tap Wi-Fi camera.

The APP only supports Wi-Fi camera at the moment, and will be enhanced to support cellular camera in the future (sold separately).

8.5. *Search Your Camera and Link*

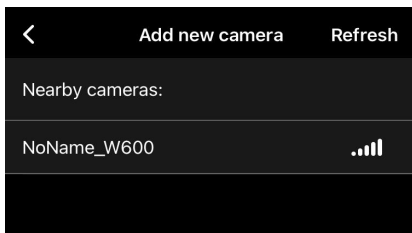


Figure 11: Select your camera

By default, in the list the camera will be indicated as ID “NoName_W600” if the camera name is not assigned. After you set the camera name in settings, the camera ID will be updated as “XXXX_W600” (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 11*). 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...

Step4 – Connecting through Wi-Fi...

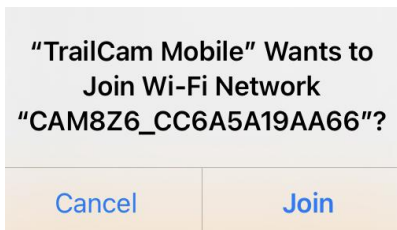


Figure 12: Allow Wi-Fi Connection on iOS Device

A system pop-up message will show (*Figure 12*).

Please tap ‘Join’ to allow Wi-Fi connection. The string “CAM8Z6_CC6A5A19AA66” is the name of Wi-Fi hotspot on the camera to allow Wi-Fi connection. Among cameras, the prefix CAM8Z6 is fixed, CC6A5A19AA66 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:

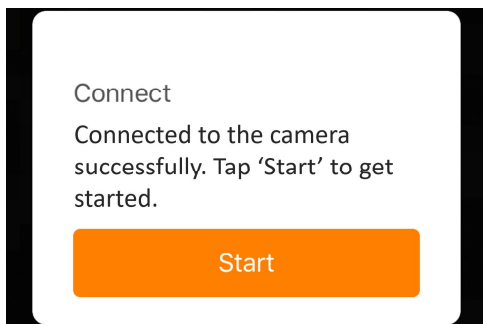


Figure 13: Connected

Tap “Start” to enjoy your APP journey (*Figure 13*).

8.6. APP Navigation

The APP supplies 4 main features: Camera, Status, Settings and Gallery. See the *Table 1* and Figure 14~17 for more details.

Table 1 - APP Navigation

Features	Details	Refer to
Camera	Preview, manual taking pictures or videos.	Figure 14
Status	Camera status, including battery level, SD Card capacity and used size, internal temperature of the camera, number of pictures and	Figure 15

	videos stored on the SD Card, camera model, firmware version number, etc.	
Settings	Display or program camera settings, such as mode, picture quality etc.	Figure 16
Gallery	Review or download the pictures or videos the camera has taken.	Figure 17

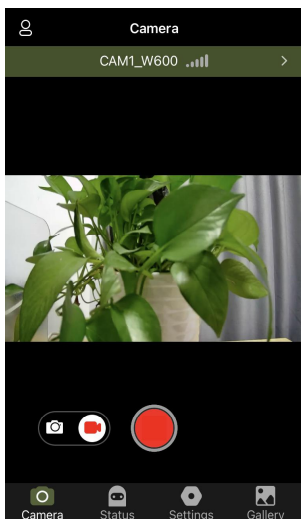


Figure 14: Camera

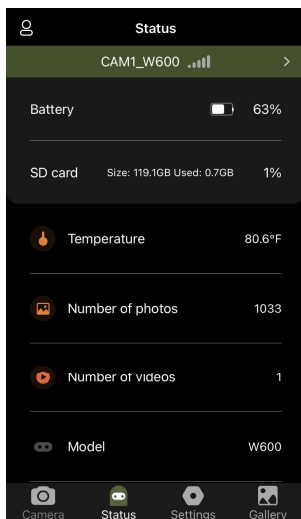


Figure 15: Status

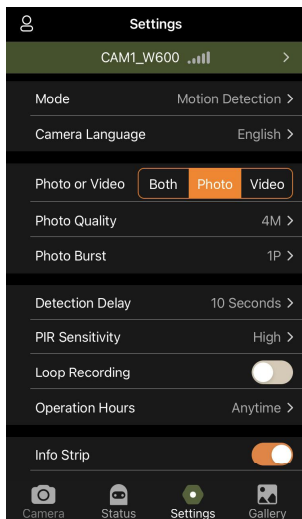


Figure 16: Settings

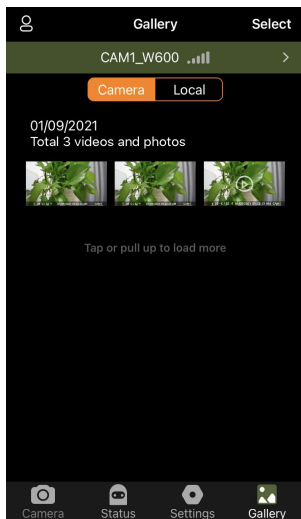
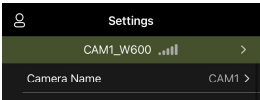
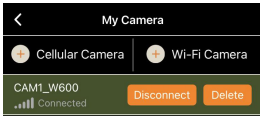


Figure 17: Gallery

8.7. 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. <i>TIP: How to re-enable the camera start motion detection?</i> Tap the camera ID "CAM1_W600" to disconnect, connect or delete your 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, you can re-open and operate on the APP without connecting again. However, the camera will not work until the Wi-Fi timeout is done. 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	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.
Photo or Video	Photo Video	Select whether still photos or video clips are taken.
Photo Quality	24MP 16MP 12MP 8MP 4MP 2MP	Select desired resolution for still photos. Higher resolution produces better quality photos, but creates larger files that take more of the SD card capacity. Larger files require longer time to write to the SD 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 SD card capacity.
Video Length	10 seconds, Optional from 3s to 5m	Videos are in MP4 format that can be played back on most video players. <i>Note: Night videos are limited to a maximum of 30 seconds to conserve the batteries. If the video length is set to more than 30 seconds, e.g. 60 seconds, the max recording length at night will stay at 30 seconds.</i>
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.
Frame Rate	30fps 25fps	When the light works at 50HZ and video flickering occurs, please select 25fps.
Detection Delay	10 seconds, optional from 0s	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

	to 60m	detected. During the selected interval, the camera will not take pictures/videos. This prevents the SD card from filling up with too many redundant images. <i>Note: If the camera is set to capture videos, the detection delay is limited to a minimum of 10 seconds to conserve the batteries and lower the SD card storage consumption.</i> <i>This option is invalid if Mode is set as “Time Lapse”.</i>
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. <i>Note: this option is invalid if Mode is set as “Time Lapse”.</i>
Motion Test		This feature helps you aim the camera at your target area. Please refer to the details in <i>Section 10.2</i>.
Timelapse Interval	1 hour, optional from 2s to 24h	Setting time lapse interval. It takes effect ONLY when Mode is set as Time Lapse, the camera will automatically take photos/videos according to the set interval, regardless of whether the PIR sensor