TRAIL CAMERA

MODEL: T326
INSTRUCTION MANUAL

V1.0

TABLE OF CONTENT

1. IN THE BOX

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

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

2. IMPORTANT NOTE

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 NiMH AA batteries can be used, but are NOT recommended as the lower voltage (generally 1.2V) they produce can cause night recording issues, and you also may have to replace them frequently.

Require a standard-size SD memory card (max capacity 128GB, Class 10). We recommend using SanDisk 32GB SDHC/Class10 memory cards in the camera to obtain the best cost-performance.

Remove batteries when the camera is NOT in use.
Before first use, **please format your SD card in the camera.**
Before first use, **please gently remove the protective films** on the front of the camera to get the best performance, **especially the protective films on the PIR lens** may cause motion detection performance downgrades, eve no captures.

3. INTRODUCTION

3.1. About The Camera

The trail camera is a new generation of digital scouting camera, it can be triggered by any movement of game in a location, detected by a highly sensitive Passive Infra-Red (PIR) motion sensor, and then take high quality pictures , video clips.

The Camera features the all new innovative 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.

Main features:

- High quality pictures (up to 32MP still photos), 1440P/2k 30fps or 1296P 30fps H.264 video clips with audio.
- Clear night vision, flash range 100ft. The camera is equipped with 40pcs high performance infrared no glow 940nm LEDs that function as a flash.
- Wide view angle - 70°.
- Easy to use/program with well-designed operation buttons and built-in 2.4-inch LCD color screen, easy to review pictures and videos on the screen.
- Two working modes – Motion detection and Time lapse.
- Fast trigger time approx. 0.2~0.75 second (pre-activated technology with 3 PIR sensors designed), Fast recovery time of less than 0.5 second, Long trigger distance up to 90ft.
- Date Stamp on each capture: Date, Time, Temperature & Moon Phase.
- Monitoring Period, Loop Recording, Time Lapse,

Password protected.
- Built for any climate - IP66 Waterproof designed for outdoor use and resistant against rain and snow. Operation Temperature -4~140°F.
- Support SD/SDHC/SDXC memory card, max capacity 128GB *(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)*.

3.2. 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 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 40pcs built-in high efficiency infrared LEDs, LED Indicators, Lens, PIR Sensors, Lock Holes in front view (*Figure 1*).

TIP: During use, the black PIR Lens may become dirty or have scratches, however it does not affect the performance due to the reliability design of the PIR lens. 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.
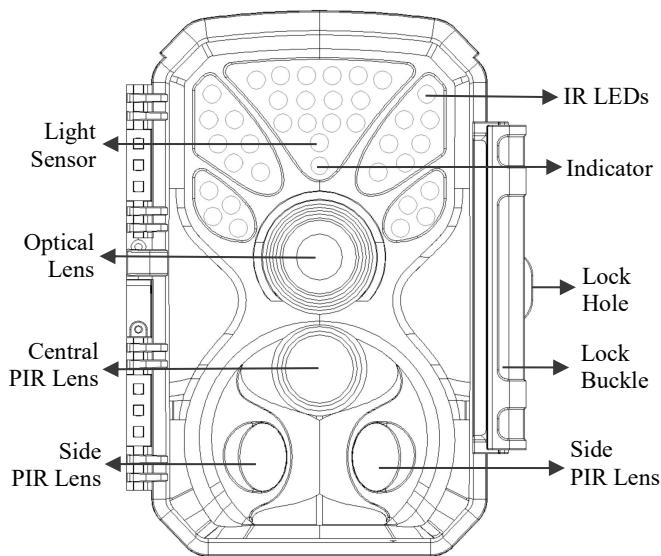
Figure 1: Front View

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

Microphone

SD Card Holder

Mini USB Port

DC 12V/1A Plug 4.0x1.75mm

Tripod Base 1/4" - 20
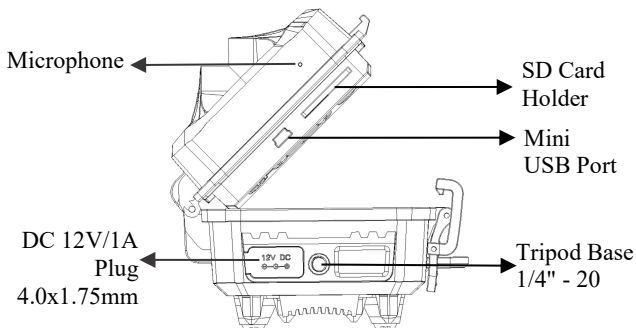
Figure 2: Bottom View

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

Security Cable Hole

Lock Buckle

Strap Hole
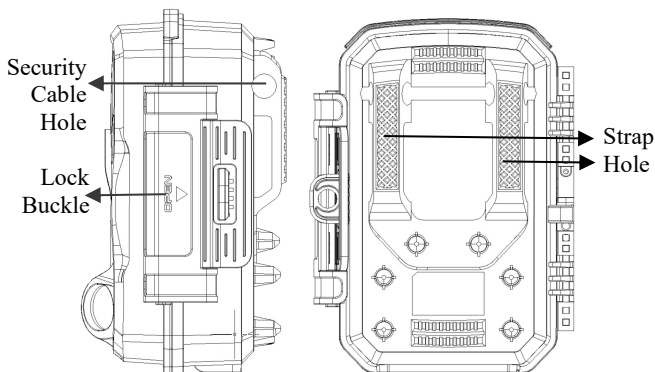
Figure 3: Back View

The camera has a 2.4-inch built-in LCD screen, which can be used for reviewing pictures or videos and menu displaying, and unique keypad design for easy program and operation, 8 AA batteries slot supported (*Figure 4*).


Color Screen

Operation Buttons

Battery Compartment and Cover

Figure 4: Inside View

SHOT Key as Manual Shutter

Replay Key as Playback Mode

START Key as Surveillance Mode

Power Switch

Figure 5: Operation Buttons and Shortcut

A 2-way power switch is used to select the main operating modes: **OFF and ON***(Figure 5)*.

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.
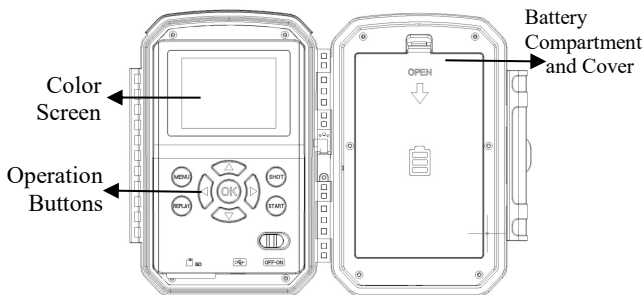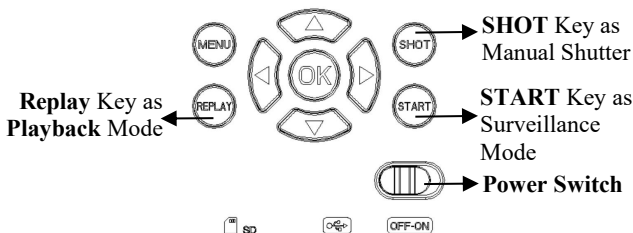
5. INSTALLING THE BATTERIES AND SD CARD

Before you start 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 the **ON** mode when battery power level gets low, the message "**Low Battery**" will show on the screen, please replace the batteries. If the battery indicator shows in RED, this does mean the batteries are not able to drive IR LEDs flash at night, however the batteries still work at daytime until "**Low Battery**". If you want to continue night vision, please replace the batteries.
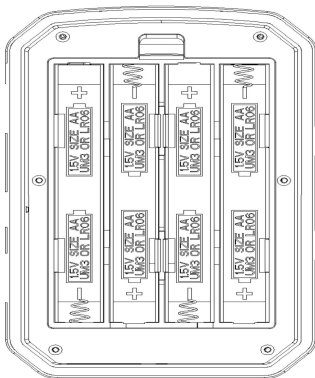
Figure 6: Loading the Batteries

5.2. Inserting The SD Card

Insert the SD card (with the camera's power switch in the **OFF** position) 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. The camera uses a standard-size memory card to save photos (in .JPG format) and/or videos (in .MP4 format). SD and SDHC (High Capacity)/SDXC cards up to a maximum 128GB capacity are supported (*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 the 2-way switch and 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.

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 consumes 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 8 ADVANCED SETTINGS**).

Moving the power switch to the **ON** position will turn 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 **ON** mode, the camera will automatically enter **DORMANCY** 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.

As mentioned earlier in "Parts & Controls", the keypads have secondary, "shortcut" functions when the camera is switched to ON mode:

- Press the **UP** key to quickly set the camera to shoot video clips.
- Press the **DOWN** key to quickly set the camera to take still photos.
- Press the **SHOT** key to manually trigger the shutter. This is useful for testing the camera. The "number of images taken" counter on the top right of the screen will increase by one.
- Press the **REPLAY** key to playback. Then press **UP** or **DOWN** key to navigate the history photo or video if you want. Press **LEFT** key to delete. Finally press the **MENU** key to exit playback.

7.3. SURVEILLANCE Mode

Any time 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 is set as "Motion Detection", the camera will countdown 5-second delay and then be ready to capture images. If the Mode is set as "Time Lapse", there will be 5-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. ADVANCED SETTINGS

The trail camera comes with preset manufacturer settings. You can change the settings to meet your requirements. Please make sure that the camera is turned on. 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.

Parameter	Settings (**Bold** = default)	Description
Photo or Video	**Photo** Video Photo+Video	Select whether still photos or video clips are taken.
Working mode	**Motion mode,** Time Lapse	In **Motion Detection** mode, the camera would take photos or videos once triggered. In **Time Lapse** mode, the camera would take photos or videos periodically according to your preset "Timelapse Interval" parameter.
Image Size	32MP 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.

Picture No	**01,** 02, 03, 04, 05	Select the number of photos taken in sequence per trigger.
Resolution	**1440P/2K** 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 5s to 3m	Select video recording length. *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.*
Record Audio	**ON** Off	Selecting **On** will record video with sound.
Video File 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.
PIR Interval	**10 seconds,** optional from 0s to 59m59s	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 SD card from filling up with too many redundant images. *Note: this option is invalid if **Mode** is set as "Time Lapse".*

		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 object or capture more, and the Medium/Low setting is helpful in cold weather. *Note: this option is invalid if Mode is set as "Time Lapse".*
PIR Sensitivity	High **Medium** Low	
Side PIR Setup	On **Off**	Selecting **On** will activate the side PIR setup .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 batteries power.
PIR Test		This feature helps you aim the camera at your target area. Please refer to the details in Section 9.2.
Timing Interval	**30seconds**, optional from 5s to 23h59m59s	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 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" mode".*
Monitoring Period	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 18:30 and the ending time at 8:20, the camera will function from 18:30 the current day to 8:20 the next day. Outside the time period the camera will not be triggered or take photos/videos.
Loop Recording	On **Off**	Selecting On option will cause the oldest files to be overwritten with new captures when the SD card reaches its capacity. With Off option selected, the camera will stop capturing images once the SD card reaches capacity.
Date Time Setup	D/M/Y hh:mm:ss AM/PM	D – Day, M – Month, Y – Year hh – Hour, mm – Minute, ss-Second *Note: Use "**LEFT/RIGHT**" key to switch settings, use "**UP/DOWN**" to set current date and time.* *Date input format may change. Please refer to "**Date Format**" parameter settings accordingly.*
Date Format	YY/MM/DD MM/DD/YY **DD/MM/YY**	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		Select **OK** to assign a 12-character long in the form of Capital A-Z, 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.
Password Setting	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.
Date Stamp	**On** Off	Select **On** to show date, time, temperature, moon phase on each capture.
Frequency	50Hz **60Hz**	Select the light source frequency when shooting.
SD Card Format	Ok **Cancel**	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. ***Caution: make sure wanted files on the SD card have been backed up first!***
Default Setting	Ok **Cancel**	Selecting **Ok** will return all your previous settings back to the manufacturer default.
Version Info	Defined	Display the version of the camera.

9. MOUNTING AND POSITIONING THE CAMERA

9.1. 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. We recommend mounting the camera on a sturdy tree with a diameter of about 6in. (15cm). To get the optimal picture quality, the tree should be about 16-17ft. (5 meters) away from the place to be monitored, with the camera placed at a height of 2.5-3.5ft. (0.75-1m). Also, keep in mind that you will get the best results at night when the subject is within the ideal flash range, no farther than 100 ft.(30m) and no closer than 10ft. (3m) from the camera.

There are two ways to mount the camera: using the provided adjustable web belt, or the tripod socket.

Using the adjustable strap: Use the strap on the camera as illustrated**.** 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 8*). *Note: it is not possible to use a cable lock (in the upper part of the bracket) and the strap at the same time.*

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 *(user supplied)*.

Figure 8: Mounting the Camera

9.2. 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.
- Select "PIR Test" in the Menu. The camera will countdown a max 60-second delay and be ready to capture motions. *(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.
- If the motion indicator LED light (RED light) blinks, it indicates that position can be sensed. If it does not blink, that position is outside of the sensing area. *(Note: The red*

light will blink only when the motion is within the sensing area of the PIR sensor.)

- In these sensing test, the camera would take pictures once motion captured. When you open the camera, the screen shows the number of times triggered, you can review the pictures on the screen. *(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°.The blue light will blink only when the motion is within the sensing area of the side PIR sensor. 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.)*

The results of your testing will help you find the best placement when mounting and aiming the camera**.** The height away from the ground for placing the device should vary with the animal size appropriately. 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 setting the camera towards glass objects.

9.3. Starting

The camera supports two working mode "Motion mode" and "Time Lapse", press START button to enter surveillance mode.

(1) If you set the camera working mode as "Motion mode"

in the menu, the camera will be ready to go into "Motion mode" soon after the START button is pressed, the camera will countdown 5-second delay, and then will be ready to go into standby (surveillance) and capture. Any motion detected by it will trigger the capture of images 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 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".

Before leaving the camera unattended, please check for the following:

- Are the batteries inserted with correct polarity and is their power level sufficient?
- Does the SD card have sufficient available space?
- Is the power switch in the **ON** position?

10. 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\PHOTO or \DCIM\MOVIE in the SD card. Photos are saved with file names like IM_00001.JPG and videos like VD_00001.MP4. The MP4 video files can be played back on most popular media players, such as Windows Media Player, QuickTime, VLC etc.

There are several ways this can be done.

You can directly review the photos or videos on the camera screen.

Or when the camera is powered on, you can use the provided USB cable to download the files to a computer.

Or you can put the SD card to an SD card "reader" *(user supplied)*, plug in a computer, and browse the files on the computer without downloading.

11. TECHNICAL SPECIFICATIONS

Element	Description
Working Mode	Motion mode or Time Lapse
Max. Pixel Size	32MP
Optical Lens	F=1.6, FOV=70°, Auto IR-Cut
IR Flash	100ft
LCD Screen	2.4" Color screen
Keypad	9 Keys, 1 Power switch
Memory	SD, SDHC or SDXC standard-size memory card (Not included), max capacity 128GB
Picture Resolution	32MP, 24MP, 16MP, 12MP, 8MP, 4MP, 2MP
Video Resolution Aspect Ratio	2560 x 1440P@30fps 16:9, 2304 x 1296P@30fps 16:9, 1920 x 1080P@30fps 16:9, 1280 x 720P@30fps 16:9
Image Format	Picture：JPG Video: H.264 MP4 / MOV
PIR Sensitivity	High/Normal/Low

PIR Sensing Distance	90ft (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. 0.2-0.75 second (0.2s while side motion sensors enabled)
Trigger Interval	0sec.-59min59sec, Programmable
Shooting Numbers	1~5
Video Length	5sec ~ 3min., Programmable
Info Strip	On /Off
Operation Hours	On /Off, Specific working period of time
Password	4-Digit Code
Camera Name	12-Character (A-Z,a-z, 0-9)
Time Lapse Interval	5 Sec. ~ 23 Hours59min59sec
Power Supply	8x1.5V AA Batteries Or External 12V Power Supply with 4.0x1.75mm plug (Not included)
Stand-by Time	6-8 Months
Auto Stand-by	Auto Stand-by (Surveillance mode) in 5 minutes while no operation in ON mode
Low Battery Alarm	8V - Low Battery (Batteries die) 9V - Night vision is unavailable in low voltage (Almost die)
Interface	Mini-USB, Standard-size SD card holder, External Power (DC 12V/1A, Plug 4.0x1.75mm)

Mounting	Strap, Tripod Base (1/4-20)
Waterproof	IP66
Operation Temperature	-4~140°F/-20~60°C
Operation Humidity	5% ~ 95%
Certificate	FCC & CE & RoHS
Product Dimensions	5.9 x 4.3 x 3.3inches

12. 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 right 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.
- Replace batteries if night vision seems not to be working as expected.

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. Please be assured we will make the things right for you.

13. WARRANTY

ONE YEAR LIMITED WARRANTY

Your trail camera warranty covers your trail camera for one year after the original purchase date. We warrant that your camera will be free from defects in materials and workmanship when operated in normal use and conditions. This warranty does not cover consumer caused damages such as misuse, abuse, improper handling or installation, damaged caused by wild animals, or repairs attempted by someone other than our authorized technicians.

We will, at our option during the warranty period, repair your camera or replace it with the same or comparable model free of charge. This warranty only extends to the original retail buyer from our authorized dealer. Purchase receipt, order number or other proof of the date of the original purchase is required to receive warranty benefits. The warranty on any replacement product provided under the original warranty shall be for the remaining portion of the warranty period applicable to the original product.

This warranty extends solely to failures due to defects in materials or workmanship under normal use. It does not cover normal wear of the product.

If you need to return a product under this warranty, please contact your dealer or our distributor.