

Instruction MANUAL

Scouting Trail Camera



(Any contents related to 4G/MMS are for 4G model only.)

V1.2

**Pls scan QR codes below to download APP
for remote control functions of 4G model.**



Download Hunt Pro App

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1. Quick Start

1.1 What in the Box?



- Trail camera x 1
- Instruction manual x 1
- USB cable x1
- Mounting strap x1
- Antenna x2 (for 4G model only)

1.2 How to Get the Camera Ready?

1. Insert the batteries

Open camera house and insert the batteries as electrodes marked in battery case.

Note: 12AA Alkaline or Ni-MH are recommended. For better performance, please choose the "Battery Type" of the batteries on camera menu before using.



2. Insert the SD card

Note: 8-32GB SD card is recommended. Please insert it with correct direction as marked.



3. Mount the Antenna & Insert SIM card (for 4G Model Only)



1.3 How to Setup the Camera?

1. Power on the Camera

Switch to ON; camera is ready to work upon motion triggers (screen will not light up upon "ON"). You can mount it out to work directly after this if default settings are preferred. Please refer to page3 below for default settings in red letters.

2. Configure Camera Settings

Switch to SETUP, screen will light up. Press M key, you will enter the menu to view & change settings. Please press arrow keys for navigation and OK key to confirm settings.

Note: please switch to ON to enable the camera to work after setups.

3. How to Connect the Camera to Network (for 4G Model Only)?

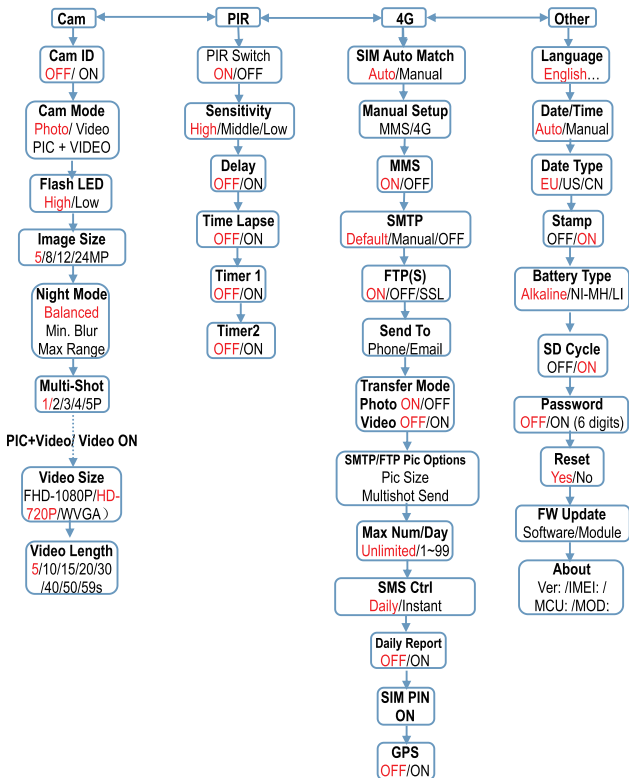
Different from none cellular models, the 4G model has a signal "Searching" process when you switch the power key to SETUP.

If it comes with a signal bar and no other pop-up, it means the network is automatically connected; by then, you only need to fill in phone numbers and emails in "Send to" to receive photos upon motion triggers.

If it comes with a pop-up "SIM Auto Match failed...", please go to "SIM Auto Match" under "4G", select "Manual", and fill in local operator APN details in "Manual Setup", the camera will connect to network to send photos.

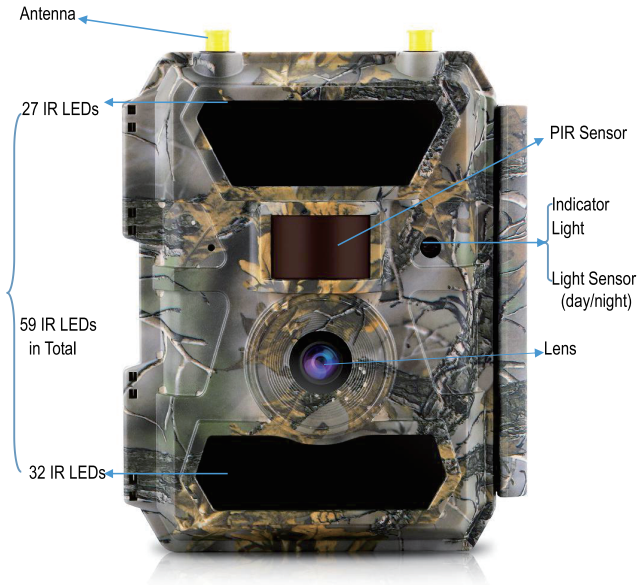
Note: This camera can send photos to 4 phones & 4 emails. It's set to send photos to phones via MMS, and photos/ videos to emails via SMTP (data). If you prefer more personalized way of sending, please configure in menu accordingly.

1.3 Camera Default Settings in Red Letter



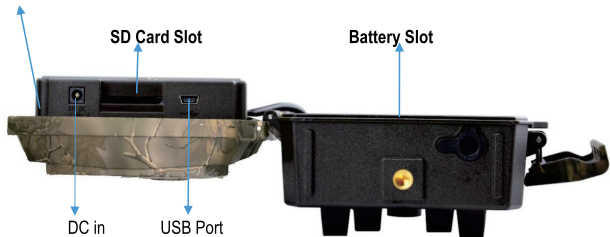
2. Whole View and Details of Camera

2.1 Figure 1: Front View of Camera

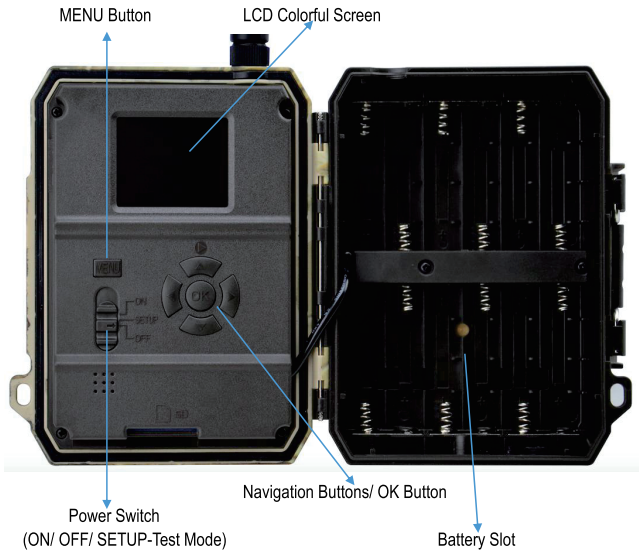


2.2 Figure 2: Bottom View of Camera;

SIM Card Slot (Golden Part Faces Front Housing Side)



2.3 Figure 3: Internal, Side and Back View of Camera



3. Introduction

With contents in previous pages, believe you've already got a brief idea about how this camera works. Before more details presented, here we want to thank you for choosing one of our easy operation highly qualified products. You now may enjoy the excellencies reflected on this series product. This 24MP HD digital camera was totally R&D by our diligent and smart engineers based on feedback and requirements from customers globally. May you also enjoy and adore this product as we do. And our company is always open-minded with willing to adopt creative ideas from you.

3.1 Fully Functionality Introduction

Besides all the functions you may experience from any other similar cameras. This one is aimed to offer you stable quality product using experience with many extraordinary features, like **Real GPS functions**, SIM setups auto match, daily report, remote control with APP (IOS & Android), 20 meters (65ft) invisible real night vision ability, 0.4 seconds trigger time, and 1 photo/second (up to 5 photos per trigger) multi-shot to capture the whole track of object (anti-theft evidence), user friendly operational menu, etc.

3.2 Power Supply

9-12V power supply to ensure camera well performance of all functions

A. Batteries

Camera runs on 6/12AA size batteries, and it can work with alkaline, high-quality Ni-MH and LI rechargeable batteries. Please choose the battery type you're using in the menu option "Battery Type" to reach longer operation time.

Batteries should be inserted with correct electrode position as marked in battery case. Upside down batteries electrodes may cause device malfunction. Also, we strongly recommend changing the batteries when power icon on camera screen or photo stamp is empty.

Note: Don't mix batteries types! Different batteries to be used in camera may cause permanent damage which also violates warranty policy!

Due to different settings, objects activities within camera detection zone, different brands and quality of batteries, and using environment, etc; we're not able to list out exact number of photos and videos that camera can achieve. So given table below only shows approximate number of photos or videos camera can take with 12AA alkaline batteries; better performance can be given by 12 AA rechargeable Ni-MH batteries.

4G OFF_12AA Alkaline Batteries					
Photos shot per day		Working time	Video clips shot per day		Working time
IR LEDs On					
Max.Range	100 pics	80 days	Video—10s	10 clips	79 day
Balanced	100 pics	78 days			
Min.Blur	100 pics	72 days			
IR LEDs Off					
Photo	100 pics	115 day	Video—10s	10 clips	168 day
4G ON_12AA Alkaline Batteries					
Photos/video clips shot & sending per day (SMTP sending only):					
Small Size Photos: 1500 pics			WVGA-10S-Video Clips: 1000 clips		

B. Solar Panel

To bring users better using experience, our engineers designed this camera to be able to work with most standard 12V/2A lithium battery build-in solar panels. Solar panel can't charge the batteries in using in camera batteries cases.

C. Power Adaptor—Security Surveillance Purpose

This camera can also be powered by an external 12V/2A DC adapter. Recommend to remove the AA size batteries when power adapter is used. Electrical power is recommended for security purposes.

3.3 SD Card Selection

Using a memory card is required to operate the camera. When the camera is "ON" and no memory card is used, the screen displays "No card". The SD slot of the camera has a 32 GB memory capacity. Before inserting or removing the memory card, the camera must be turned "OFF". Failing to do so may cause loss of or damage the pictures/ videos already recorded from the memory card. When the SD card is full, the viewing screen shows "Memory Full". The following data shows an approximate quantity of photos or videos which can be recorded by the camera depending on the memory card capacity.

Chart below will show you the approximate capacity of different size SD cards. Pls check to see which size card can fit your needs best.

SD size Capacity	4 GB	8 GB	16 GB	32 GB
Photo (pictures)				
5MP	3639	7201	14440	28828
8 MP	2104	4238	8476	16952
12 MP	1445	2910	5816	11632
24MP	735	1480	2957	5914
Video (hours)				
640x480	04:01:48	08:20:44	16:05:45	33:56:02
HD	02:50:42	05:52:35	11:38:43	24:09:16
FHD	01:58:31	04:27:27	08:30:21	18:04:52

3.5 USB Connection

When camera is connected via USB cable; screen display "MSDC", press "Menu" once, "MSDC" turns to "PC Cam", camera now can be used as a PC camera; press "Menu" again, camera exits PC camera mode.

3.6 Attention

1. Please insert the SD card correctly, camera does not support SD card hot swap (insertion).
2. Please use high-quality AA batteries to prevent battery cells from corrosion of leaked acid.
3. Please use compatible adaptor (12V/2A output) for external power supply, and do not invert the electrode when putting in batteries.
4. In Test mode, camera will automatically power off if with no keypad touching in 3 minutes.
5. Do not interrupt power supply during firmware upgrade. That damages cameras.
6. Do not frequently plug in/out SD card, batteries and DC adaptor when the camera is on.
7. Floating objects such as leaves, strings, ribbons in the 3M motion detection zone of cameras might cause false trigger of photos and videos.
8. Do not keep camera next to hot irrelevant objects such as air conditioner exhaust vents, and light, etc. to avoid false trigger of photos or videos.

9. Please use high quality AA batteries so as to enable camera to deliver enough amperage to IR LEDs consistently in dark environments.
10. Programmed Date/Time can be saved in camera for 12 hours after power failure as long as camera was powered 1 hour above.

3.7 Key Features

1. **0.4s** trigger speed;
2. Regular lens model: **60° FOV lens; 60° PIR angle;**
3. Wide lens model: **100° FOV Lens; 100° PIR angle**
4. 24MP/1080P@30FPS;
5. Programmable 5/8/12/24 Megapixel high-quality resolution;
6. **59pcs invisible IR LEDs**, offer 20 meters (65 feet) real night vision distance;
7. Crystal clear day & night photo/video quality;
8. **1 photo burst per second to get full moving track of object;**
9. Support multiple functions: adjustable PIR sensitivity, Multi-shot (1~5 photos per trigger), programmable delay between motions, Time Lapse, Timer, stamp of (camera ID, date/time, temperature, moon phase) on every single photo;
10. Available operation temperature: -25℃ to 60℃;
11. Built-in 2.0" TFT color screen;
12. With MMS/4G/SMTP/FTP function, camera can transmit photos to 1-4 preset mobile phones, 1-4 email, and FTP account per trigger.
13. SMS to realize various remote configurations;
14. SMS to enable camera to shoot a photo and send back instantly;
15. **Optional small (640*480), large (1920*1440), original 5/8/12/24MP Email/FTP photos;**
16. **APP available in IOS & Android APP store.**

4. Operation List

4.1 Video/Photo Playback

Turn "Power Switch" to SETUP position to enter test mode, press arrow button "↑" to enter Playback; press "←" and "→" for selection, "OK" to play photo/video.

- 1) Press button "↑" again to exit.
- 2) In Playback mode, press "Menu" button to delete files, or format SD card; press "Menu" again to exit.

4.2 Delete

- a. Delete one: delete selected photo/video;
- b. Delete All.

In Playback mode, press "MENU" to delete, press "OK" to enter, press "↑" and "↓" to select, "Yes" to confirm, "No" to exit to previous page.

4.3 Format of SD Card

- No
- Yes: to format SD card via camera.

Press “←” and “→” to select, “Yes” to confirm, “No” to exit to previous page.

4.4 Auto Power Off

In Test mode, camera will automatically power off if there is no keypad touching in 3 minutes. Please manually turn ON it as if you want to do some further configuration.

Note: camera stay in “Test” mode if camera is in Menu configuration pages.

4.5 Operation Menu

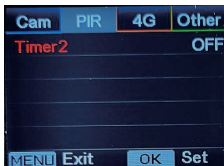
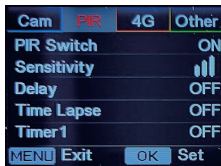
Test mode, Press “Menu” once to enter camera setting menu; to navigate setting interface by pressing “←”, “↑”, “→”, or “↓”, press “OK” for selection, “Menu” to exit to previous page, and “Menu” to switch alpha/ digits/ symbols.

Note: For some settings, user needs to press “Menu” to save & exit the configuration after pressing “OK” to confirm; (Cam ID, Delay, Time Lapse, Timer, Password)



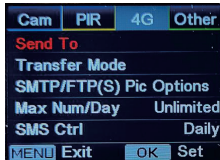
Cam	
Settings	Programmable Options
Cam ID	Select “ON”, press “OK”, to set 12 digits/ alphabets for each camera. Such function can help user to identify photos are from where and which camera.
Cam Mode	Photo, Video, PIC+VIDEO 1) Photo: camera shoots photos only based on configured Multi-shot & Image Size; 2) Video: camera shoots videos only based on configured Video Length/Size; 3) “PIC+VIDEO”, camera shoots photo(s) first, then video upon same trigger event based on Video Length/Size and Multi-shot/Image Size user configured;
Flash LED	High/Low High: IR LEDs will work with high light in dark environment; Low: IR LEDs will working in a lower light and power saving pattern.
Image Size	5MP (2560*1920), 8MP (3264*2448), 12MP (4032*3024), 24MP(5632x4224)

Night Mode	<p>a) Min. Blur: Short exposure time to minimize motion blur for better image quality; shortened IR flash range;</p> <p>b) Max. Range: Longer exposure time to extend IR flash range for better night vision; lower image quality;</p> <p>c) Balanced: combination of above 2 options;</p>
Multi-shot	Programmable 1~5 photos per trigger
Video On	
Video Size	FHD-1080P (1920*1080), HD-720P (1280*720), WVGA (848x480)
Video length	5/10/15/20/30/40/50/59s



PIR	
Settings	Programmable Options
PIR Switch	OFF/ON Note: a) With PIR Switched off, camera will not be able to take and send photos/videos per motion triggers; b) With PIR Switched on, camera will be able to take and send photos/videos per motion triggers even when Time Lapse is ON.
Sensitivity	High, Middle, Low Higher sensitivity is 1) more sensitive to movements by smaller subjects; 2) longer detection distance; 3) easier for sensor to detect difference between body heat and outdoor temperature; 4) easier to trigger camera to record. In high temperature environment, body heat of subjects and environment temperature is hard to tell by camera, suggest setting High .
Delay	Select "ON", press "OK", to set a time interval between photos or videos upon motion. This option can avoid camera taking too many photos or videos. Example: Camera will wait 1 minute between photo/video recordings with motion if preset time interval is 00:01:00. Configurable delay time: 00:00:05~23:59:59.
Time Lapse	Select "ON", press "OK", to set the interval; camera will shoot pics or video clips automatically upon the interval user set. Object motion can still trigger the camera to take photos/ videos if PIR Switch is ON. Configurable interval: 00:00:05~23:59:59.

Timer1	Select "ON", press "OK", to set the beginning time and end time (hour/minute); camera will only work during the time period user set. i.e.: 15:00 – 18:00; camera only works during 15:00 – 18:00
Timer2	Select "ON", press "OK", to set the beginning time and end time (hour/minute); camera will only work during the time period user set. i.e.: 15:00 – 18:00; camera only works during 15:00 – 18:00



Functions in this part are only for 4G version model and marked in Grey to address.

4G	
SIM Auto Match	
<ol style="list-style-type: none"> 1) Camera will automatically enter MMS & 4G setups when the SIM card is inserted; 2) If "SIM Automatch failed, pls enter setups manually" pops up on screen, please switch "SIM Auto Match" to "Manual" mode, then enter MMS & 4G setups in "Manual Setup"; 	
Manual Setup	
(Please enter setups below manually in "Manual" mode if your local operator sim card can't be automatically matched with network connection by camera itself.)	
MMS	<p>Please consult your sim card operator for MMSC/APN/Proxy/Port (Username & Password if required); and enter these info in camera menu manually.</p> <p>(We can add your above verified valid operator info into "SIM Auto Match" list after your test in next update of the camera firmware.)</p> <p>Note: With MMS setups added, camera can send photos to preset phones. If MMS is with wrong information entered, then phones will not be able to receive photos from camera.</p>
4G	<p>Enter your local operator's 4G APN, and corresponding Username and Password.</p> <p>Note: Only with 4G setups added, can SMTP and FTP functions work.</p> <p>Note: it's not a must to enter Username and Password of APN. But some operators may require this password access to enable 4G function. For details, please contact your local operator.</p>
MMS	<p>ON/OFF</p> <p>You can simply choose to allow pics to be sent to your phone number via MMS by switch ON/ OFF MMS function here.</p> <p>MMS can only send small size pics to your phone number.</p>

SMTP

Camera comes with default SMTP setups and what you need to do is only to enter your photo/video receiving email accounts in "Send to".

Please finish setups below if you'd like to use your own SMTP server.

1) Enter your mailbox server IP;

i.e.: Hotmail IP: smtp.live.com; Gmail IP: smtp.gmail.com;

2) Enter your mailbox port;

Port of most mailbox is 25; please enter your mailbox corresponding port.

3) Enter your mailbox password access.

Note: SMTP will only send photos/videos to preset emails; if SMTP is with wrong information entered, then emails will not be able to receive photos from camera.

FTP(S)

Please finish setups below if you'd like to use FTP/FTPS server to send photos/videos.

1) Enter your FTP server IP;

i.e.:

FTP Server IP: ftp://dianwan2008.gicp.net/

Enter: dianwan2008.gicp.net

2) Enter your FTP server port;

Port of most FTP server is 21; please enter your FTP server corresponding port.

3) Enter your FTP server password access;

4) Enter your SSL info if you want to use FTPS.

Note: When only FTP setups added, camera will send photos/videos to preset account through FTP; when both FTP & SSL setups added, camera will send photos/videos to preset account through FTPS.

Send To (4G model is able to send photos and videos to your emails/ FTP account)

Phone Enter recipients' phone numbers (1~4)

Email Enter recipients' email accounts(1~4)

Transfer mode: this function allows camera to send photos or videos, or both

Photo ON/ OFF

Video ON/ OFF

SMTP/ FTP Pic Options

Pic Size: Small/ Bigger/Original; Pictures sent via SMTP and FTP are in optional size as Small (640*480), or Bigger (1920*1440), or Original (5/8/12/24MP basing on setting of **Image Size**).

Multishot Send: 1st/2nd/3rd/4th/5th Pic; this function works with Multi-shot.

i.e.: Multi-shot is set as 5P; and you choose 1st Pic and 3rd Pic in Multishot Send. Then the 1st and 3rd photo taken from the 5 pics multi-shot will be sent out to your email(s) or FTP account.

Note:

1. Only 1st Pic (640*480) will be sent if the network around is only with 2G available;

2. Only 1st Pic (640*480/1920*1440) will be sent if the network around is only with 3G available;

3. 1st to 5th Pics (640*480/1920*1440) can all be sent with 4G network; for original size pics (5/8/12/24MP), only 2 pics can be sent with 4G network.

Max Num/Day

Default: unlimited;

Optional: 1~99

i.e.: user chooses 50, then camera will only send (Photos/Videos) 50 times every day. Each time, camera will send to all entered emails/ phones/ FTP accounts. All the rest photos/ videos upon triggers will only be stored in SD card.

SMS Ctrl

1) Daily: **(Suggest to set this mode when it is AA battery power supply)**

In this mode, camera will be able to react to your remote control commands within 5 minutes after each sending upon triggers, and regularly check commands once a day at time you set for Daily Report, or middle night if you didn't set time for Daily Report.

2) Instant: **(Only suggest to set this mode when camera connected with external power)**

In this mode, the camera 4G module is stand-by (on power) all the time to react to your remote control commands instantly while this consumes power very fast, thus only suggest to set to this mode when camera is connected with external power supply. .

Daily Report

1) OFF;

2) ON; Choose ON to enter to set up a time when you want camera to send the Daily Report;

Contents included in Daily Report: Device IMEI Number, CSQ (Signal Strength): 0~31, Camera ID, Temperature, Date & Time, Battery Left Volume, SD Card Info, Total Pics Taken by Cam, Send Times, GPS (when it is set to ON).

SIM PIN

You can ignore description below if your SIM has been activated already.

(“Please input PIN-Code” will not pop up after signal search if your SIM is activated.)

1) Camera will check if inserted SIM card is activated during signal search in “Test” mode;

2) If SIM is not activated, “Pls input PIN-Code” will pop up on screen after signal search;

3) Then “SIM PIN” will turn to be configurable in “4G” page of Menu;

4) Enter PIN code in “SIM PIN”; camera will auto power off. Then camera will activate SIM card automatically during signal search when you restart the camera.

Note:

1) “Please input PIN-Code” will pop up again if wrong PIN code is entered;

2) Please re-try your PIN code as if you see “Pls input PIN-Code” after signal search;

3) SIM is normally limited to be activated 3 times; it'll be locked if PIN code entered are all wrong during these 3 times trial. So we suggest you to double confirm your PIN code before you try again.

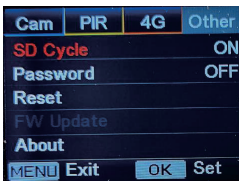
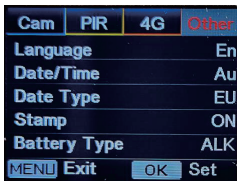
4) Please insert SIM card into your phone to unlock it by using its PUK code after 3 times trial of activation based on steps above

GPS

ON/ OFF

With GPS turned ON, GPS info will be shown on picture stamp;

Note: If GPS signal is weak around, GPS info will not be shown on stamp until the GPS signal gets stronger.



Other	
Language	English...
Date/Time	Auto/Manual Auto: camera will synchronize data/time after you enter your time zone info; Manual: manually set date/time date : Month : year; hour : minute : second Note: Please adjust camera date/time to ensure some functions work as expected.
Date Type	Date type: YY/MM/DD-(CN) MM/DD/YY-(US) DD/MM/YY-(EU)
Stamp	Imprints of programmed camera ID, moon phase, temperature, date, and time on photo.
Battery Type	Alkaline/ NI-MH/LI Choose correct battery type of using batteries in camera makes camera perform better.
SD Cycle	Select "ON", press "OK", camera will continue to record photos/videos by deleting earliest photos or video clips.
Password	Select "ON", press "OK", to enable password protection for your camera; support totally 6 digits/ alphabets long password access.
Reset	Select "Yes" to reset camera back to factory default settings.
FW Update	With firmware files in camera SD card, you can enter this menu to update camera and module firmware by confirming "Yes" in the options.
About	Firmware version in camera (Version: / IMEI: / MCU:/MOD:)

5. Specification

Image Sensor	5 Mega Pixels Color CMOS
Effective Pixels	2560x1920
Day/Night Mode	Yes
IR range	20m
IR Setting	59pcs 940nm IR LED, Top: 27 LED, Foot: 32 LED
Memory	SD Card (8GB – 32GB)

Operating keys	7
Lens	F=3.0; FOV=60°/100°; Auto IR-Cut-Remove (at night)
PIR Angle	60°/100°
LCD Screen	2" TFT, RGB, 262k
PIR distance	20m (65feet)
Picture size	Image Taking Size: 5MP/8MP/12MP/24MP 2560x1920/3264x2448/4032x3024/5632x4224
	Image Sending Size: Small/ Bigger/ Original 640x480/1920x1440/Original (5MP/8MP/12MP/24MP)
Picture Format	JPEG
Video resolution	FHD (1920x1080), HD (1280x720), WVGA(848x480)
Video Format	MOV
Video Length	Video Taking Length: 5/10/15/20/30/40/50/59s
	Video Sending Length: 5/10s WVGA& HD; 5s FHD
Shooting Numbers	1-5P
Trigger Time	0.4s
Trigger Interval	4s-7s
Camera + Video	Yes
Device Serial No.	Yes
Time Lapse	Yes
SD Card cycle	ON/OFF
Operation Power	Battery: 9V; DC: 12V-2A
Battery Type	6AA*2
External DC	12V
Stand-by Time	6~8 months (6*AA~12*AA)
Auto Power Off	In Test mode, camera will automatically power off if with no keypad touching in 3 minutes.
Wireless Module	LTE Cat.4 module; 2G & 3G networks are also supported in some countries.
Sending Protocol	SMS/MMS/SMTP(S)/FTP(S)
Interface	SIM Card/USB Port/SD Card/DC Port
Mounting	Strap; Tripod
Operating Temperature	-25°C to 60°C
Storage temperature	-30°C to 65°C
Operation Humidity	5%-90%
Waterproof spec	IP66
Dimensions	148.25*117.37*78.25mm
Weight	567g
Certification	CE FCC RoHs

Specifications are subject to change without prior notice.

6. Trouble Shooting

6.1 Photos Do Not Capture Subject of Interest

1. Check PIR sensitivity parameter setting. For warm environmental conditions, set PIR sensitivity to "High" and for cold weather use, set the PIR sensitivity to "Low".
2. Mount your camera in areas where no heat resources are in the camera's field of view.
3. In some cases, set the camera near water will make the camera take images with no subject in them. Try to aim the camera over ground.
4. Try to set camera on stable and immovable objects, i.e.: large trees.
5. At night, motion detector may detect beyond range of the IR illumination. Reduce distance setting by adjusting sensor sensitivity.
6. Rising sun or sunset can trigger sensor. Camera must be reoriented.
7. If person/animal moves quickly, it may move out of the camera's field of view before photo is taken. Move camera further back or redirect camera.

6.2 Camera Stops Taking Images or Won't Take Images

1. Please make sure that the SD card is not full. If the card is full, camera will stop taking images. Recommend users to turn on SD Cycle to avoid such situation.
2. Check batteries to make sure that camera has enough power to work.
3. Make sure that camera power switch is at "On" position and not at "OFF" or "Test" modes.
4. When 4G function is on, there will be around 1 minute interval for camera to send out photo before camera shooting the next photo. Pull out SIM card, camera can shoot photos continuously.
5. Please format camera SD card before using or when camera stops taking images.

6.3 Night Vision Flash Range Doesn't Meet Expectation

1. Please check to make sure that batteries are fully charged or left power is enough;
2. "Max Range" offers better IR flash range. Given IR flash range values are based on Max Range setting; so please adjust Night Mode to Max Range for better night vision range;
3. Recommend to use High-quality Ni-MH rechargeable AA batteries so as to deliver enough amperage to IR LEDs consistently for better flash range in dark environments;
4. To ensure accuracy and quality of night time image, please mount camera to dark environment without any obvious light sources;
5. A certain surroundings (like trees, walls, ground, etc.) within flash range can get you better night time images; please do not aim camera to total open field where there is nothing within IR flash range to reflect flash back; it's like shining a flashlight into sky in night, you just can't see anything; same does camera;

7. Warranty

With great pride and full confidence in our products, we always keep our words which are given to our customers as specified warranty terms and services below. Based on a strict QC system, we initially offer all our customers **one year long time limited warranty**, come along with optional chargeable renewal policy of warranty as one, two, three, or four years.

Our products are warranted against defects in materials and workmanship for a period of one year from the date of original purchase. If a defect exists, we will, at our option and to extent permitted by law will (1) repair the product at no charge using new or refurbished parts; (2) exchange the product with a functionally equivalent product that is new or refurbished. Provided the product is returned freight charge paid.

This warranty excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship, or by someone other than our authorized technicians. This warranty only covers failures due to defects in materials or workmanship under normal usage.

To obtain warranty service, please contact us to determine the nature of problem before return the product under this warranty (with a written description of the problem and print samples) for repairing or exchanging.

