

HD Video Series Trail Camera



USER'S MANUAL

TABLE OF CONTENTS

General Information	2
1.1 Introduction	2
1.2 Application.....	3
1.3 Illustration.....	3
Quick Start	5
2.1 Load Batteries	5
2.2 Insert SD Card	5
2.3 Enter Test Mode.....	6
2.4 Enter ON Mode.....	9
2.5 Shortcut Key	8
Advanced Settings	9
3.1 Parameter Settings	9
3.2 Replay	11
Warranty Information	31
Appendix I Technical Specifications	32
Appendix II Package Contents	34

GENERAL INFORMATION

1.1 Introduction

The scouting camera (also called game camera/trail camera) is a scouting device. It can be triggered by sudden change of ambient temperature caused by moving game in a region of interest, which is detected by a highly sensitive Passive Infra-Red (PIR) sensor, and then take pictures or video automatically.

The Feature:

12/10/8/5 Mega Pixels CMOS sensor.

Ultra low standby power consumption .Extremely long in- field life(in standby mode ,up to 5 months

with 4 x AA batteries and 10 Months with 8 x AA batteries)

Optical filter can filter away the glare during daytime

Zoom in/out picture when you check it

Impressively quick trigger time (1 second)

Date ,time ,temperature and moon phase can be imprinted in every photo

Laser light makes the camera focus to the optimal point

Multi-shot of Single ,Camera +video,3 pictures

Sharp and bright color photos in daytime and clear black/white photos at night

Unique side Prep Sensor design provides wider sensing angle and enhances

camera's response speed

Compact size(5.3 x 3.85 x2.35 inches).Well designed to deploy covertly

Serial Number function enables you to code locations in the photo.This helps multi-camera users identify

the location when reviewing the photos

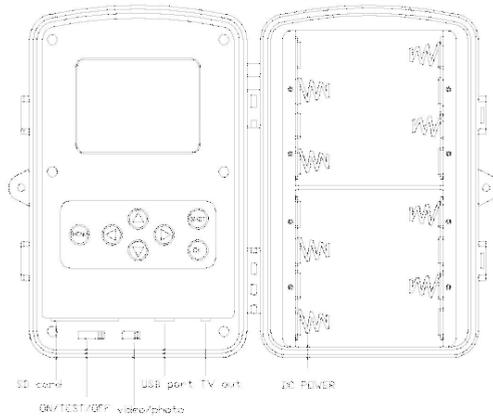
password protected

1.2 Application

- . Trail camera for hunting
- . Animal or event observations
- . Motion-Triggered security camera, for home, office and community
- . All other indoor/outdoor surveillance where invasion evidence needed

1.3 Illustration





The camera provides the following connections for external devices: SD card slot, ON/TEST/OFF key, Video/Photo Key, USB port, TV out jack, and external DC power in jack .The 3-way Power/Mode Switch is used to select the main operation modes : ON/TEST/OFF .

To supply power, it is recommended to use four new high-performance alkaline AA batteries or low self-discharge Ni-MH chargeable AA batteries. To achieve longer in-field time, install the additional battery box which contains four more AA batteries.

Quick Start

2.1 Load Batteries

Let us begin with loading the batteries .Please follow the instructions below. Just open the camera , and install 4 AA batteries. Make sure the polarity matches the sign on the cover

2.2 Insert SD Card

The camera comes with **32M** internal memory. Before inserting the SD card into the card slot, please make sure the write-protect

switch on the side of the SD card is “off”(NOT in the “Lock ” position).The supported memory capacity is up to **32GB** .

CAUTION : ALWAYS SWITCH THE CAMERA TO OFF MODE BEFORE YOU INSTALL OR REMOVE THE BATTERIES OR THE SD CARD.

Format and Delete SD Card

Press “**OK**” to enter to Format or Dele files .

Press ▲and▼ to shift between “Delete” and “Format”, press ► to enter “Format”, then Press ▲and▼ to shift between “Yes” and “NO” press “**OK**” to confirm and exit the screen.

Please note that if you choose “Yes” and press “OK”, all information in the SD card will be deleted.

Function Switch

There are three positions for the switch: OFF, ON and TEST. They each correspond to three different modes of the camera. When batteries need to be changed or when the device is not in used, it should be at the OFF mode.

2.3 Enter Test Mode

Moving the switch to the **TEST** position would set camera to the preview testing mode. When the device is in this mode, you can manually take pictures, videotape, view existing photos and videos, and adjust the parameters just like using an ordinary camera.

There are three scenarios in the testing mode, and they are: 1) the preview mode, where you can see the scenes directly in front of the camera lens from the TFT LCD screen or the TV, 2) the setting mode, where the menu is shown, and 3) the playback mode, where you can view existing photos and videos that are stored in SD card from the TFT LCD screen or the TV. The camera automatically enters into the preview mode when it is first set in the preview testing mode.

2.4 Enter ON Mode (Automatic Infrared Shooting Mode)

Moving the switch to the ON position would set the device in the Automatic Infrared

Shooting Mode. There is a waiting time of about 30 seconds before the system adjusts to this mode, and during this period the red LED indicator light will keep flashing. After that the light extinguishes and the camera can start taking pictures by infrared inducement. Once the device is in this mode, there would be no need for any manual operations, and the camera will function automatically by taking pictures or videotaping the subjects such as animals, persons that enters a certain range.

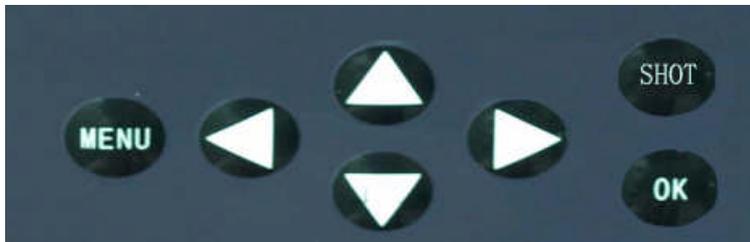
NOTE : Camera screen without any display when camera enter ON model .

PIR the advantages: General infrared camera to save power, usually only PIR part is working, photographic part is closed, when PIR detect the animals, it begin opens photographic parts supply, Then from the start photographic parts power to start take photo needs certain time. When an animal is fast across, will pass over the camera's shoot range, which will have to take a photograph of no animal.

Our preparation PIR can solve the problem. Our camera have prepared PIR, its scope of induction is 100–120° Angle, a very wide range of induction, far outweigh 50° Angle of the camera lens, when the animals into the PIR is detecting range, photographic parts began power on and ready to shoot after

1 second.

2.5 shortcut key



On the keypad there are three “Shortcut ” function keys working as below :

Press the **SHOT** key to manually trigger the shutter. A photo or video (depending on the camera setting) will be taken and saved to the SD card. If the display shows “CARD PROTECTED” when you press the SHOT key , switch the power OFF , remove the SD card and slide its write-protect switch to off

Press the **OK** key to review/ playback photos / videos on the LCD screen, or a connected TV monitor. Use ▲ and ▼ key to navigate.

There is another key, **MENU**, on the keypad that allows you to program the camera to work the way you want. Please make reference to below Parameter Settings in the

Advanced Operation section.

3. Advanced Operations

Compared with ordinary cameras, our camera has more professional functions. The user can change the settings according to specific needs under the preview test mode.

3.1 Parameter Settings

Parameter	Settings(Bold=default)	Description
Mode	Camera Video	Select whether still photos or video are taken.
Capture Mode	Single Camera +video 3 pictures	In Camera+Video mode,it can first take photo and then shoot video afterward.Select the number of photos taken in sequence per trigger in camera mode. Please also refer to the Interval parameter.
Resolution	4000*3000 12MP 3456*2592 10MP 3264*2448 8 MP 2592*1944 5 MP	Select desired resolutions for still photos from 5 to 12 megapixels. Higher resolution produces better quality photos, but creates larger files that take more of the SD card capacity.
Movie Size	HD 1280*720 D1 720*480 640 640*480 320 320*240	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 Time	15 sec 30 sec 60 sec 120 sec	Select desired video time for AVI format from 15S to 120S
PIR Sensitivity	High Middle Low	Select the sensitivity of the PIR sensor.The high setting suits indoors and environments with little interference,while the NORMAL/Low suits outdoors and environments with more interference.Temperature also affects the sensitivity.The High setting is suitable when the ambient temperature is warm,and the Low setting is helpful in cold weather.
Timer	OFF ON	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 19:00 and the ending time at 7:00, the camera will function from 19:00 the current day to 7:00 the next day . Outside the time period the camera will not be triggered or take photos/ videos.
Serial	OFF ON	Select ON to assign a serial number to each camera you have.You can use the combination of 4 digits to record the location in the photos(e.g. DK1 for Park).This helps multi-camera users identify the location when reviewing the phots.
Time lapse	OFF ON	If set ON, the camera will automatically take photos/videos according to the set interval.The camera can capture if any activity, then back to TLM setting . This is helpful when observing cold-blooded animals like snakes,or the process of flowering,etc.
Side PIR	OFF ON	The default setting is ON. The two side prep PIR sensors provide wider sensing angle and detect more potential triggers.In some situations ,you only want to monitor a narrow spot.Too many irrelevant triggers by the side sensors outside of that spot will keep the camera on and off, chich drains the battery power rapidly.Or in some other situations you have difficulty removing the interfering branches,or avoiding the sunlight.If so,you have the option on turn off the side sensors.
Delay time	1s, optional from 1s to 1H59M59S	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.
IR-LED	Day Night 24H	You can choose IR-LED work time .
TV OUT	NTSC	You can choose TV systme NTSC or PAL .

	PAL	
Date Stamp	OFF Date&Time	Select ON if you want the date&time ,temperature and moon phase can be imprinted in every photo .
Language	English 简体中文 Deutsch Suomen Francais Svenska	You can choose language which you need .
Date & Time	MM/DD/YYYY	Set up date and time
Password Set	OFF, On	Set up a password to protect your camera from unauthorized users.

3.2 Replay

Under the TEST mode, pressing “OK” will display the last photos or videos. Use ▲ and ▼ to playback the photos or video . If it is a video clip, you can press to play▶, then press▶ to stop playing.

When in 12MP camera, Photos can 16 times zoom playback, press ◀ zoom in and press ▶ zoom out, press ▲ view right photo and press ▼ view left photo; In this playback mode, pressing “MENU” will enter into the deletion menu, in which you have the options to delete the current picture/video or to delete all. Select “OK” and then “Yes” to confirm deletes the file, or select “No” to keep it.

LIMITED WARRANTY

We take great pride in our products. We always stand behind our promises. We provide a leading warranty term and service. Buying a our product, you are covered under a

limited warranty.

We guarantee our products to be free of defects in materials and workmanship for a limited warranty of the original purchase date. This warranty does not cover consumer caused damages such as misuse, abuse, improper handling or installation, 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 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.

Appendix I. TECHNICAL SPECIFICATION

Model	Parameters
Image Sensor	12Mega Pixels color CMOS
Max. Pixel Size	3000*4000
Lens	F=3.1;OFV=52°;Auto IR-Cut
IR Flash	65 Feet/20 Meters
LCD Screen	2.5 inch
Operation Keypad	7 Keys
Picture Size	3000*4000 12M 3264*2448 8M ‘ 2592*1944 5M
Memory	32M , SD card (32M to 32G)
Lase light	Laser light makes the camera focus to the shotting range .Just put Magnet Key on front of camera
Video Size	HD 1280*720 20fps D1 720*480 20fps 640 640*480 20fps 320 320*240 20fps
PIR Sensing Distance	15M
Prep PIR Sensing Angle	Left and right light beams form an angle of 90°;

Main PIR sensing Angle	35°
Trigger Time	1 Second
Time lapse	1 sec—23H59M59S ;Programmable
Delay time	1 sec—23H59M59S ;Programmable
IR-LED mode	Day/Night/24H
Capture Mode	Single Camera +video 3 pictures
Video time	15 sec 30 sec 60 sec 120 sec
Timer	ON/OFF ; Timer set
Serial NO.	4 Digit NO.
Playback Zoom In	1-16 Times
Password	4 Digit NO.
Power Supply	4*AA; Expandable to 8*AA(With additional battery box)
Stand-By Time	5-10 Months(4*AA -8*AA)
Stand-by Current	0.17mA
Auto Power off	2 minutes while no keypad controlling
Power Consumption	160mA(+500mA when IR LED lights up)
Low Battery Alarm	4 v
Interface	TV out ; USB; SD card slot; 6V DC External
Waterproof	IP 54
Operation Temperature	-20 to +158°F/-30 to +70°C
Operation Humidity	5% -- 95%

Appendix II PACKAGE CONTENTS

Part name	Quantity
Digital camera	1
TV AV in cable	1
USB cable	1
Strap	1
Magnet Key	1
Instruction Manual	1
External DC cable (Optional)	1

Model	Parameters
Image Sensor	12 Mega Pixels color CMOS
Max. Pixel Size	4000*3000
Lens	F=3.1;OFV=52°; Auto IR-Cut
IR Flash	65 Feet / 20 Meters (850NM); 39 Feet /13 Meters (940NM)
LCD Screen	2.5 inch
Operation Keyboard	7 Keys
Picture Size	12MP=4000*3000; 10MP=3456*2592; 8MP=3264*2448; 5MP=2592*1944;
Memory	32M, SD Card(8MB-32GB)
Video Size	1280*720; 720*480; 640*480; 320*240 (20 fps)
PIR Sensing Distance	65feet / 20M(Below 77°F / 25°C at the normal level)
Prep PIR Sensing Angle	Left and right light beams from an angle of 90°
Main PIR Sensing Angle	35°
Trigger Time	1 second
Delay Time	1sec.-60min;Programmable
Shooting Numbers	1-3
Video Length	15-120sec;Programmable
Playback Zoom In	1-16 Times
Password	4 Digit Numbers or Letters
Power Supply	4*AA;Expandable to 8*AA
Stand-By Time	3-6 Months(4*AA - 8*AA)
Current	0.17mA
Power Consumption	150mA(500mA when IR LED lights up)
Low Battery Alarm	4.2-4.3V
Interface	TV out;USB;SD card slot;6V DC External
Waterproof	IP 54
Operation Temperature	-20 to 158°F / -30 to 70°C
Operation Humidity	5%-95%
Certificate	CE/FCC
Warranty	1 Year