

720p Outdoor Camera



User Manual

Features

- Taking Up to 8 Mp high quality pictures and 720P HD (1280x720) video when a motion is detected.
- Date and Time Stamp on each picture and video
- Built-In 2.4" Color Screen for viewing images and videos in field
- 1.2s Fast Capture at Night Shot under Fast Trigger mode
- Programmable Time Lapse capturing
- Two modes for extending long battery life and Turbo snap shot speed
- Card Slot support up to 32G SDHC card
- Motion detect on duty selection: DAY – NIGHT – 24 HOUR
- Video length option: 3 ~ 90 seconds.
- TV out port support NTSC and PAL TV
- USB port for downloading images to computer and firmware upgrade
- Powerful Infra-Red flash to take monochrome clear picture and video at night within 50 feet.
- Separated TFT/LCD screens and keys to simplify setting for camera and motion sensor controls
- PIR Pause setting option: 0,1,3,5,10,20,30,60 minutes for silent time
- Quick Shot mode allowed for more detection up to 3 events before to next period of pause.
- Burst Mode for upto 5 rapid shots in one event
- Low Battery indicator
- Motion Sensor Radar animation for Sensor ON- Duty status
- Video mode Icon
- Walk-Test / In-Used light for Distance and setup
- Dial for adjusting sensitivity of motion sensor
- Back light for Scouting LCD viewing.
- Power Supply: D cell Alkaline battery x 4pcs; C cell battery x3 pcs
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Accessory Included

- Main unit x1
- TV Cable x1
- USB Cable x1
- Belt Strap x1
- Instruction Manual x1

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\OPERATING INSTRUCTIONS

Preparation

1. Remove the Steel security bar (Optional parts) and open the front door by pulling up the two latches on cabinet. Push the Main power switch to OFF (Center).
2. Install 3 pcs C type Alkaline batteries into the battery compartment on the right for Motion sensor working.
3. Install 4 pcs D type Alkaline batteries to the compartment to support Digital Camera and IR-Light operation.
4. Install a SD card into the slot. Be careful to insert the SD card according to direction shown on the SD card. Before you try to operate with the camera, be sure a SD card must be into the slot.

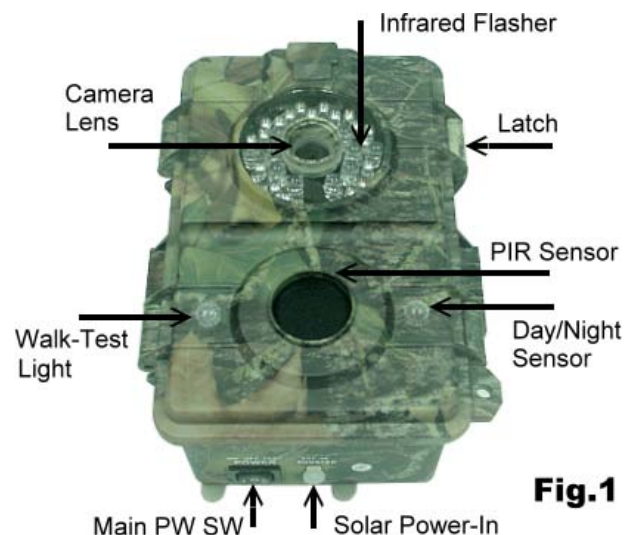


Fig.1

Caution: Before replacing a SD card, be sure the Main PW switch is already at OFF position in order to avoid the data in the SD might be flushed. After that, formatting the SD card firstly before operation will be highly recommended if it is the first time to be used in this device.

Quick Start

An easy way below telling you step by step for getting a quick start with the unit, it will run under the **factory default** if you do not change any parameter:

1. Push the main power switch which is allocated in the bottom of out-side cabinet to ON
2. After PW is ON, system will be ready for setup. Press CAM-PW to switch On the camera section.
3. Set date and time for the Camera and choose either at Picture or Video mode.(See the paragraph below for "**Date and time Setting**"; **Still Picture / Video Mode**)
4. Set other parameters of scouting and exit the setting mode after finished. (See more paragraphs about the **Setting for Motion Sensor** below). You can ignore this step if you still are not quite understanding what they are.
5. Hang unit on a steady tree around 0.7~1 meter height with the attached belt and set the motion PIR sensor almost point to the area which you wish to monitor.
6. Slide the main PW switch to TEST and turn the Sensor Gain Control to Max. (Clock-wise). After the SELF-TEST light goes OFF after 1 minute, try to walk in front of motion sensor in order to verify how much distance and a zone you will be detected according to the flashing walk-test light .
7. Push PW back to ON and you can leave. Now the scouting camera will be ready to work stand-by after 10 seconds since PW is ON. Once an event will be detected, camera will take a shot instantly to save an image as well as event counter will increase a record synchronously.

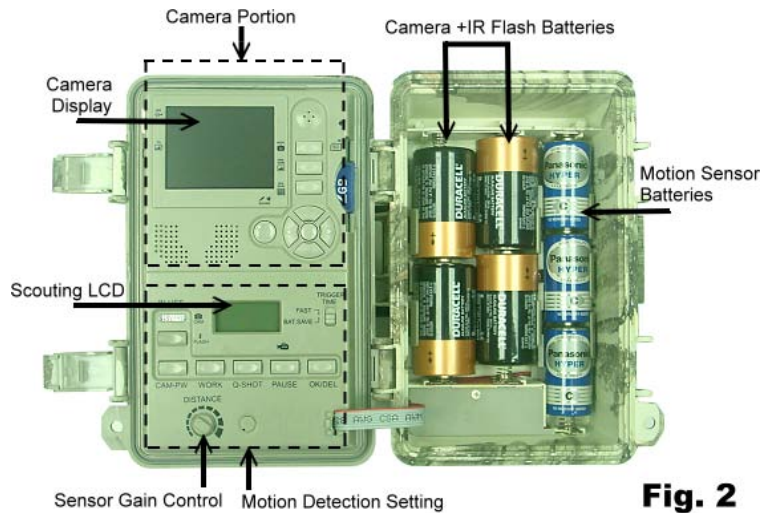


Fig. 2

Factory default settings

For Camera: Capture = Single Picture /Auto Exposure / 3M pixels resolution / Burst Mode =Off / Shutter Speed = Auto / Quality =Normal / Stamp =ON / Language = English / TV =NTSC / Download =MSDC / Video Resolution = VGA 640x480 / Frame rate = 15 F/S

For Motion detection: Pause= 1 minute / Quick-Shot =1 / Turbo = PW-Save / Work Duty = 24 HRs / 3 seconds Video length

Start up with User's Setting

It is suggested to customize your settings after you have experience to use this device for a few times.

Switch the PW ON, the lower LCD show the **default settings**. You can able to program with your desired parameters instead of the Factory default for both camera and motion detector operations. When the unit exit from setting mode or no change since PW ON, it will goes to the motion detection ON Duty mode automatically after 1 minute.

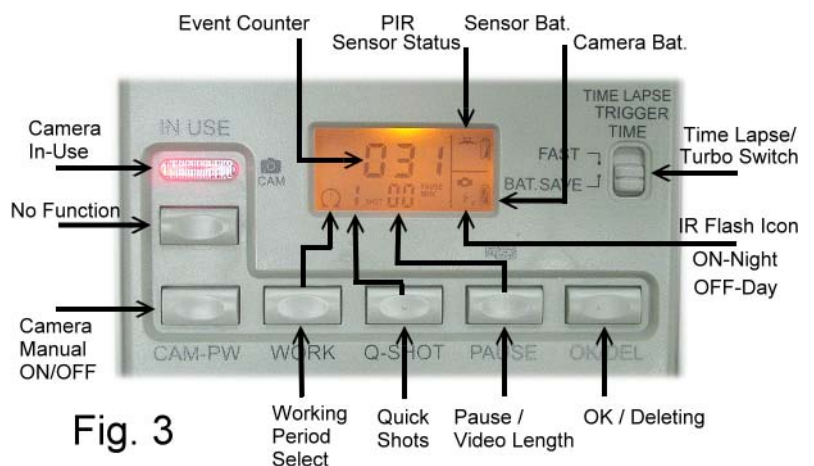


Fig. 3

Setting for Motion Sensor Operation (PIR Sensor)

The settings explanation below is referred to keys on the lower portion of the inner panel. See the **Fig.3**

Select ON DUTY for Day, Night or 24 hours

The **WORK** button is pressed once to enter the 24 HOUR > NIGHT > DAY options, the 24 (Clock) On Duty icons will remain blinking. Press the key again to move the blinking icon to the SUN icon, one more pressing

will move it to the Moon. Press the OK/DEL key on your right to accept for the desired icon and then it become stable. The **Clock** icon is represented for motion detection will be valid a full day and night. The **SUN** is represented for day working. The **MOON** is represented for Night working only. If ON Duty is ready, a Radar icon will run with radiation to show the device can sense any motion in this period.

Select for Quick Shot

Quick Shot allows for more images to be taken if **additional motions may be detected** after the 1st image and the camera does not shut down and still be ready for more instant shots. If the Burst mode is set for OFF, you can choose 1~3 additional events which will allow camera to shot between every 20 seconds in order to have a group images when many animals are passing-by. "1" is the default that only one picture to be taken and then goes to PAUSE time. "2" or "3" will re-arm the sensor for taking shots in further the second and third event if more animals are following. **(Example of use: On a trail when you want a picture of what is following the first young deer. Like a smart buck, it always walk at the last)**. A time-out of each shot is around 20 seconds. The system will goes to Pause mode after a total number of events are done or time-out.

Note: This function is not the same as the burst mode. They will be used for difference purposes.

Pause Time

This is a silent time between the motion sensor does able to detect each event for a capture. The sensor will not work within the gap. You can select 00, 01, 03, 05, 10, 20, 30, 45, 60 minutes for a PAUSE option. Press the PAUSE button once to enter for start setting, default 01 will be blinking. Press again to change it until the desired choice appears. Press OK/DEL on right to accept it.

Change for Movie Length

This option will let you determine how long for each video to take. There are 3, 5, 10, 20, 30, 45, 60, 90 seconds of video length to be selected. The PAUSE key is shared for two functions. Press and hold the PAUSE key for 3 seconds, a blinking video camera icon will appear to let you know you already enter for video length setting mode. Then press PAUSE repeatedly until your desired length appears. Confirm an updated change by the OK/DEL key.

NOTE: Not only to preset a video length, you must be required to change for VIDEO option in the camera setting when you wish to take video clips. Otherwise, the device still does take pictures and works improperly.

OK/DEL

It is a key for shared with two functions. Any time you have done to program the WORK, Q-SHOT and PAUSE / Video Length, just press the OK/DEL key to accept a new change. On the other hand, press and hold it with 3 seconds, it perform the DELETE function that all event counts on the lower LCD will be cleared. But it is not effect to any contents in the camera memory. All images and videos in camera are safe even the event counter is cleared in any time.

Event Counter

Three digits LCD in the center of the lower are the event counter which allow you to know how many motion records that up to 999 events for a trail period history. If you want to renew the counter anytime, simply to press and hold the OK/DEL button until LCD become blinking, then it will resume to [000].

Battery Icon

Two icons are for difference battery groups. The Bat-icon on the upper corner of right is represented for motion sensor power. The second on the right is for camera power. All Bat-icons will indicate three status as below:

GOOD: Battery Icon show with solid.

LOW: Battery Icon is half blank.

BAD: Battery icon is totally blank.

Note: You have to replace all batteries in camera section or motion sensor section for new one completely when either camera or motion power are BAD. Do not try to replace some of them only.

Important: Since system detects batteries becoming too weak and the blank battery icon for camera+IR flash does appear, the unit will stop taking any night pictures or video but still will take pictures or video at day time.

Walk-Test / Sensitivity Adjustment

This is main PW switch in the bottom of cabinet. The **DISTANCE** dial is used for adjusting sensitivity of the motion sensor. By turning the dial to the right, sensor sensitivity is set to the Max to detect animal over 40 feet away. You may reduce the detection distance for taking with a larger animal target in a picture. **Walk-Test feature** is used to verify the detection range and pointing zone before placing it in the field. After hanged the unit on a tree, push the PW switch to Walk-TEST. The Walk-Test LED will light up last 1 minute to warm up. (A radar animation icon with TEST alert is remaining blinking during Walk-Test mode if you are viewing the insite panel). Then, Walk-Test Light will go off and will alert with 3 times flashing once you will be detected in front of the device. Now you try to go far away to check how long the PIR motion sensor will still see you. The camera does not take any picture during this test process.

Note: The system will resume back to normal ON DUTY mode automatically after 3 minutes (Time-Out) since the last triggered detection of walk-test to avoid user may forget to push the PW switch back to ON before he left.

PW-ON Mode

Once the PW-SW is pushed to ON mode, the unit will begin to warm up for 20 seconds, then start to detect motion for taking pictures/ Video. When an animal or human is detected, an event will be recorded and the camera will shot immediately. If you want to stop the device operation, simply slide it to OFF.

OFF Mode

Slide the PW to the center position turn the system power OFF. All pictures and current settings will be remained at this mode and internal real time clock will still run. Note: Remember to remove all batteries out if this camera will be no longer to use.

Turbo Shot/ Time Lapse

Push the knob to **Fast Trigger** mode, the DC will be set for fast shooting. In this mode, capture speed will be more than 2x faster than setting in the BAT-Save while a motion is detected. Setting of BAT_SAVE will be only ideal for extending battery life. Also, the Time Lapse operation will work only at the FAST Trigger mode. (See more paragraphs about the *Setting for Time Lapse Operation* below)

Setting for CAMERA / Operation

Description for Camera Operation Keys

SHOT / PREVIEW / PIC/VIDEO / DISPLAY / MENU (Center Key) /Navigation Disk

CAM-PW (Camera Power Button)

Before programming for the camera, be sure Main Power switch at ON position and camera is not working during an event is processing.

There are two modes that are called **LIVE VIEW and PREVIEW (PLAY-BACK)** for operating the camera, once you press CAM-PW to switch ON the Camera, it always works at the default in LIVE mode. The IN-USE Light will stay ON since camera is starting up. DC-PW small red light on the right top will alerts for 2 seconds to show camera is ON already. By default, camera screen is remaining dark until either DISPLAY or PREVIEW key is pressed. In this case, you can either change any setting of camera, view pictures, take a picture manually, download pictures to PC, or any operations which require camera to be ON depend on which mode you will select. When you finish using the camera, remember to turn the camera OFF by pressing the CAM-PW button again.

Important: During camera is ON mode manually, motion sensor will stop scanning until camera PW is turned to OFF.

Navigator Disk / Function Keys / Menu Button:

Description for Camera Operation Keys, they are located in the upper portion of the inner panel

See Fig.4

Menu Key (OK Key)

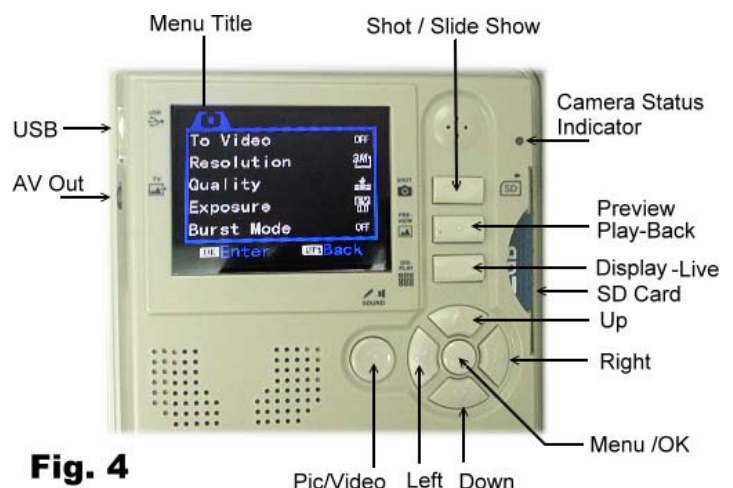


Fig. 4

The key in the centre bring up the menu tabs under CAMERA to be ON manually. It is also used for accepting a change after modification.

Navigator Disk

Four sides of disk represent for the **Left / Right / Up / Down keys**. The center knob is the **MENU** button. All camera settings will be programmed with them. Press the MENU to display the 2 titles of setting tabs. Select a title that you wish to change by pressing the left or right navigator key. Highlight your choice from an item under the displaying title by the Up or Down Key. Press the RIGHT to enter further options and change it with UP/DOWN keys. And press OK to confirm. After finish a setting, quit to the main screen by pushing LEFT key.

More Function Keys

Shot key : It is used for taking picture or video manually in LIVE mode and Play-Back media files in PREVIEW mode. Push it to take a picture at any time while camera is ON manually even TFT screen still is remaining OFF (screen is always OFF by default) . For taking a video clip manually, 1st press SHOT to start taking, a stop watch counter will work and press again to stop.

PIC/VIDEO key:

It is a springboard key for toggle switching between taking Picture or Video. In the LIVE mode after turn ON camera manually, push this key to switch for another shot mode instantly. Then, press OK to accept.

Display (LIVE) key:

Press this key to wake up the screen for LIVE mode when start-up manually, then press it time by time to turn ON screen > Remove information from screen > Resume information on screen repeatedly.

Preview key:

While camera is ON manually and press PREVIEW key, Camera will be switched to Play-Back mode at once and show the last image. It is also a toggle button to skip between Live View and Play-Back mode. During in Play-Back mode, the DISPLAY key become as a spring board for Full View an image vs Thumbnail pictures / videos. So, you have two ways to enjoy and search entire images /videos.

Menu Title (Tab) for Camera Operating Modes

There are two main menus for two modes. Once camera is ON manually, press MENU key to enter the setting menu that consist 2 titles: A. System Setup Mode; B. Working Option Mode. Both Live View and Play-Back menus are including difference titles which described as below:

A. System Setup Mode

Press MENU to enter to Working Option Mode firstly, and then press the RIGHT key, you will enter to System Setup Mode, see the items below by pressing DOWN key. Enter to change further options by pressing the RIGHT key again, push the MENU key to confirm a change. Finally, press LEFT to quit the menu. If you press the UP key to the top of menu, then, press LEFT to skip to the setting tab of the current working mode.

1. Date & Time: a. 2013/01/01 12:00 / b. YYYY / MM / DD (Calendar Display Format)
2. Language: a. English / b. French / c. Chinese
3. TV out: a. NTSC (Default setting, Used in North America) / b. PAL
4. USB
 - a. MSDC (Default for frequently used to download files to PC under all Windows platform)
 - b. PCCAM (Only for upgrade Firmware purpose)
5. Format (Erase Everythings in entire storage media)
6. Reset All Yes = Proceed (Select it to restore all factory default settings)
7. Time Lapse: Off

Date and time Setting

Before you would place this unit in the field, you are recommended to update with your local time firstly. After entering to the setting, press Right key to move the High light for calendar pattern and change it by Up or DOWN key. Press Menu to accept. **NOTE:** The calendar is shown in military fashion with 24 hour format. Example: 2:00 pm will be shown as 14:00. (Hour: Minute:)

Format

After proceed this function, every things in the SD card will removed completely. Be careful before proceeding.

Time Lapse Shot : Default is Off (See more paragraphs about the *Setting for Time Lapse Operation* below) While you enable this function, press DOWN key for two further options to program how the unit will take shots itself.

a. Time Lapse Interval : Set your desired a periodic time of shots

b. Time Lapse Capacity : Set a number of total shots you expect to create a Time Lapse Video future.

B. Working Option Mode

You have two ways that entering to this working option mode. When you press MENU key while camera is ON manually, or you will do not select any item in System Setting Menu and press the LEFT for the Working Option Mode. In this mode, you will find difference options depend on you are currently at PIC or VIDEO status

Single (Picture) Mode: There are several items below by pressing DOWN key:

1. Switch To Video
2. Resolution : a. 3264 x 2448 (8 Mp) / b. 2592 x 1944 (5 Mp) / c. 2048 x 1536 (3 Mp) /d. 1024 x768 (1.3 Mp)
3. Quality : a. Super Fine / b. Fine / c. Normal (Adjust Image quality, it will affect capture speed to slow down)
4. Exposure : - / + Adjust (Adjusting for brightness of image instead of factory default)
5. Burst Mode : OFF > 2 > 3 > 4 (Off = 1 shot only for an event; 4 = 4 images will be captured repeatedly in one event)
6. Shutter / ISO
 - a AUTO (ISO 100~ ISO 400, It is the default for most of events and recommended)
 - b .Fast (Fixed at ISO-200 (Used to take a clear image against a moving animal. Sometimes for very short distance capturing setting at night to avoid images to be over exposure.)
8. Date Stamp a. Off / b. On (Calendar stamp ON/OFF option to show whatever the calendar on all images and videos.)

Video Mode

You can either use the springboard key **PIC/VIDEO** or highlight the Video to change by pressing **MENU** key. Once the **VIDEO** mode is selected, the unit will take video clips day and night. Since a 1st event is recorded, a video-cam icon will appear in the scouting LCD to show that you are in video mode.

In case you would switch back for Single Picture mode, just turn ON camera by pressing CAM-PW, then press the PIC/VIDEO key again. Press OK key to accept the **SINGLE** Mode. Then, require to re-boot the unit by turn off the main PW and back ON. You will see the Video-cam icon disappear. Otherwise, the camera will not work properly w/o a reboot process.

There are the option items below by pressing DOWN key:

1. Switch To Single
2. Movie Size : a. 1280 x 720 (HD) / b. 720 x 480 / c. 640 x 480 (VGA)
3. Frame Rate : a. High (30 f/s) / b. Low (15f/s)

Time Lapse Operation:

You can activate the Time lapse function during a scouting period. It will work fine at day and night by sliding the Trigger Time switch to Time Lapse ON as well as enable the Time Lapse option in the camera menu setting. Camera will take shots automatically according to the further programming in the Time Lapse settings. The Time Lapse event will start to run since one scouting image to be taken.

Caution: Be sure you have triggered the 1st shot by yourself before leaving from the site. Otherwise it will be triggered to start up by animal.

Further settings for Time Lapse

Interval: Adjust the default 5 seconds for your desired periodic time. The camera will take shots repeatedly according to your updated. An adjustable interval set will be from 1 second to 23:59:59

Important: Time lapse capture event will be always interrupted during day / night transition and will be resumed after the 1st one scouting event is triggered during each transition.

Capacity: You can limit a Maximum total shots for a mission. More shots will be created for a longer Time Lapse Video. A Max. capture capacity will be 99,999 shots.

Research QTY of Time Lapse captured

Turn on Camera manually, enter to the Capacity Setting of Time Lapse option. The first data line is showing how many images are captured already. This result will be erased once you turn the Time Lapse function to OFF in the system menu. Otherwise, this counter will continue when the camera resume for the Time Lapse mission again.

View Images from Time Lapse mission

Touch the PREVIEW key after turn on Camera manually, you will see the last scouting image usually. Press RIGHT key once, the preview mode will be changed for viewing the last image of time lapse mission. In case you want to view back the scouting image or video, you have to quit and back on the camera again. Touch the LEFT key to review all scouting images when you are already at PREVIEW mode.

Create A Time Lapse Video:

All of images are required to be imported to a time lapse software for converting a video. There are many choices from web-sites or you can download from our recommended web for a freeware. You can try to get the software "Videomach" .

Note: Time-Lapse video will be played back in PC only. If you want to play it back on TV, simply to copy the avi format file to the proper file directory on SD card.

Preview (Play-Back) Image and videos

1.View Image/ Video in Built-in Screen

Once press **Preview key**, screen will always show a full screen of the last shot. Use the left or right key to view other previous or next image. The displayed contents will be depended on which current mode it is. If you expect to view more pictures or videos in a screen, press **Display** for a thumbnail screen. See more nine images in a frame by pressing Left / Right key. Then enlarge it by pressing **Display** again.

2.View Image /Video with TV

The unit is equipped with a TV-out port that allow you to connect to TV at home with an attached cable.

Be sure the RCA end is plugged in the **Video-In** of your TV. To view pictures on TV set after camera is in **Preview** mode, all displaying contents will be switched to TV screen and the internal screen will be OFF in this operation. If you pull out the TV cable, the digital camera will switch to the internal viewing screen automatically.

NOTE: The last taken picture will be the first to display and will including of the total number of pictures stored and the number of current picture. Example: 0024/0036 is the 24th picture of a total of 36 pictures.

More Operation Setting at PREVIEW

When you are in Preview mode, press the MENU key to display the Operating Menu with items below:

1. **Lock** (Protect file during a deletion operation)
 - a. Lock / Unlock One (Protect / Unprotect one file)
 - b. Lock All (Protect all same media files in the memory and they will not be deleted)
 - c. Unlock All (Unprotect all of protected files)
2. **Delete**
 - a. One (Delete One item)
 - b.. All (Delete All items except protected items)
3. **Rotate** (To rotate an image) a. Rotate / b. Save / c. Back (Recover to original)
4. **Resize** (Reduce resolution for a smaller size image in order to release more space in storage)
 - a. Showing all available resolution that you may change

Slide show

In a thumbnail screen, press **SHOT** key for enjoying a slide show. Interrupt the show by pressing OK key.

Digital Zoom

When in the Preview to view a full size picture, press the UP key to Zoom In and the DOWN key to Zoom Out for enlarge a part of image to see more details when enjoying an image.

PAN on an Image

Once you have zoomed-in an image, you can pan the lens to view everywhere in an enlarged picture by pressing LEFT or RIGHT keys.

Deleting Photo

Press MENU key under the preview mode, then, highlight **Delete** for Single or all photos to erase the target. Press MENU key to confirm **YES / NO** deletion. And, repeatedly for deleting more.

Protect an Image or Video

During viewing an image or video which you would like to retain in the memory without wash-out by delete processing, press MENU and highlight the LOCK option once. Then an icon with small lock on the left top corner of this image to show it is protected. Repeat the same processing to unlock it. All of protected items will not be deleted except you try to format the memory media.

Using a SD card

This unit does support upto 32G SDHC SD card to get a large storage capacity that allow more than ten thousands of pictures to be saved. It will not work w/o a SD card installed.

Note: Be sure the Main PW Switch is OFF before replacing a SD card in order to minimize a risk to damage your SD card or loss data partially.

Important: If a SD card can not be inserted smoothly, you must retract it and check if the direction of card is correct or not. Never force to push hardy with the card. Most of case with a problem with card usage is found that caused by an improper insertion.

Warning: Before using a blank new SD card, or ever been used in other cameras, it is suggested to format it before usage. So, you need to download all of existing files to PC before using it in this camera. Otherwise, camera will not save picture and video in the default directory properly. On the other hands, more and more pictures or videos stored in the SD card will slow down camera response while you attempt to operate the camera manually.

Installing Driver for Upgrade FW in your camera

For some cases, you will be recommended to upgrade the latest Firmware for your camera to remain a good performance future, so, a driver is required that you will be advised to install the driver once you enter to upgrade mode. The driver will be available downloading from the dealer's web-page or FTP-site. After installed the driver on your PC properly, connect an USB cable between PC and camera, and switch ON the main PW. Then, press the PIC/Video and OK key at a time firstly, touch the CAM_PW to turn ON the camera. Now you can see the camera small status light will be steady ON. You are ready to upgrade the new FW now. Please refer the further instruction processing which will be provided from your dealer.

Downloading photos/ Movies to your computer

Press CAM-PW to turn the camera ON manually. Connect your computer and the camera with an USB cable.

- A pop up to show the mobile hard disk which is assigned for the camera device. For example:
x:\DCIM\100MEDIA (Directory for scouting PIC and Videos)
- x:\DCIM\ 101TLPIC (Directory for Time-Lapse shots)
- Click into the proper directory to download all files inside.

Mounting Device

Before starting to put this camera in the field for scouting game, the camera must be mounted in a certain place properly or on a tree whose diameter will not be less than 6 inch (15cm) and located not higher than 1M with your desired mounting method that following the installation method as shown as below. The design is reserved to fit for two ways of mounting.

A Belt Mount: This belt is attached in the packing. See the Fig.5



Fig. 5

Power Management:

It is an optional but highly recommended to install all Alkaline batteries into the camera compartment. Batteries will be drained since the power pack goes to the OFF w/o any charging for a long time.

CONNECT External Infra-Red Booster

For an experienced user, you always would expect to get extreme quality pictures and videos at night. WildSpy Cam does provide an option "**Ext-IR BOOSTER**" that you can buy external IR boosters **IRX-810** to fulfill your in-need. (850nm model of **WildSpot Flash** series). Thus you get about 2~4X higher illumination depend on a number of boosters you will configure. If you want to upgrade the camera to be a totally invisible black IR system, another invisible 950nm IR booster series like **IRX-20B** or **IRX-22B** for advance upgraded. For further advanced option, you can choose IRX-22BW wireless booster that you can allocate many boosters near the target and away from the camera. They are triggered through radio frequency synchronously by the camera. Then, you will not miss any amazing picture or video even those animals are not close to the lens.

Troubleshooting Guide

No animal showing in some pictures:

1. Check if the unit is pointed the direction where the sun is rising or sunset that the sensor might be triggered.
2. The PIR sensor may detect an animals through vegetation out of view from the camera.

The Camera In-Use light is remaining ON, but the camera does not respond:

1. The camera may be time-out and shut down automatically. Repeat to press the CAM-PW to resume the camera ON or try to reboot the system.
2. Battery may be too lower that could not support the camera operation. Replace with 4pcs D type brand new batteries if the BAT icon for Camera is showing Empty too.

Camera seems NOT write any picture into my "Empty SD" card and displayed with Memory Full:

1. You must format the SD card which was ever used in the other device before applying it in this

camera.

2. Check the current SD card and try to use a brand New SD card instead of your current SD.

Sometimes I could not get pictures and videos at night, but it was working fine at day times:

It is because the battery set for camera +IR light was too weak that could not work at night.

I have set Time lapse Enable in camera setting, but it seems it is not working:

1. You need to push the Trigger Time switch to TIME-LAPSE (Fast mode).
2. Before you will leave, you need to trigger for the 1st shot by yourself.
3. To view your time-lapse images, just press the RIGHT key after entered to PREVIEW mode, you will see the last shot of Time-Lapse. Then, press the left key to view the previous Time-Lapse shots.
4. To create your Time-lapse video, you have to use any Time-lapse software to assist. You can consult your dealer or download one of popular one from web.

I have set the shot mode for PICTURE already from AVI, but it worked improperly:

You need to always reboot the unit by power OFF and back ON after changed for either mode.