Nature Cam TX-09
User Manual

Features

- Security camera for indoor and outdoor use
- Ideal for viewing wild animals and for monitoring houses
- 5 mega pixels CMOS sensor
- Video and photo function are selectable
- Standby time ~ up to 180 days
- Motion and infrared sensor for night shots
- Motion Detection Distance ~ up to 15m
- Spashproof to IPX4
- Mount for the camera and fixation belt
- Easy handling and installation

System Requirements for PC

- Intel® Core2Duo 1.8G or AMD equivalent CPU
- Hi-speed USB2.0 port
- 1 GB RAM internal memory minimum
- 500MB free hard disk space
- 800 x 600 pixel color monitor
- nVIDIA GeForce MX440 or above, AMD (ATi) Radeon 9200 or above
- DirectX 9.0 or higher
- Windows® XP (SP2 or higher) / Windows Vista™ / Windows 7

Note: If your system is Windows XP Service Pack I, go to www.microsoft.com
It's free to update your system to Windows XP SP II.

System Requirement for MAC

- Power PC G5 or Intel Core Duo processor recommended
- Free USB2.0 port
- 1 GB RAM internal memory minimum
- 500MB free hard disk space
- 800 x 600 color monitor
- MAC OS 10.5x or above

**Accessories:** USB cable, TV-out cable, Mount for the camera, Belt for the trunk, User Manual
**Measurements** / **Weight of device:** 145 (L) x 100 (P) x 170 (H) / 523g
**Colours:** Brown, White

Front View

IR Flash LEDs

Fastener Lock

Lens

IR Sensor

Microphone

Bottom View

mini USB Port

TV-Out Jack

Tripod Mount

Inside View

LCD Panel

Control Panel

SD Card Slot

Rear Cover
(Battery Pack)

Control Panel

LCD Panel

MENU Button

UP Button
DOWN Button

POWER Button

OK Button
RIGHT / MODE Button
LEFT Button

TEST NORMAL

SD Card Slot
TEST / NORMAL SW

MODE

MENU

Speaker
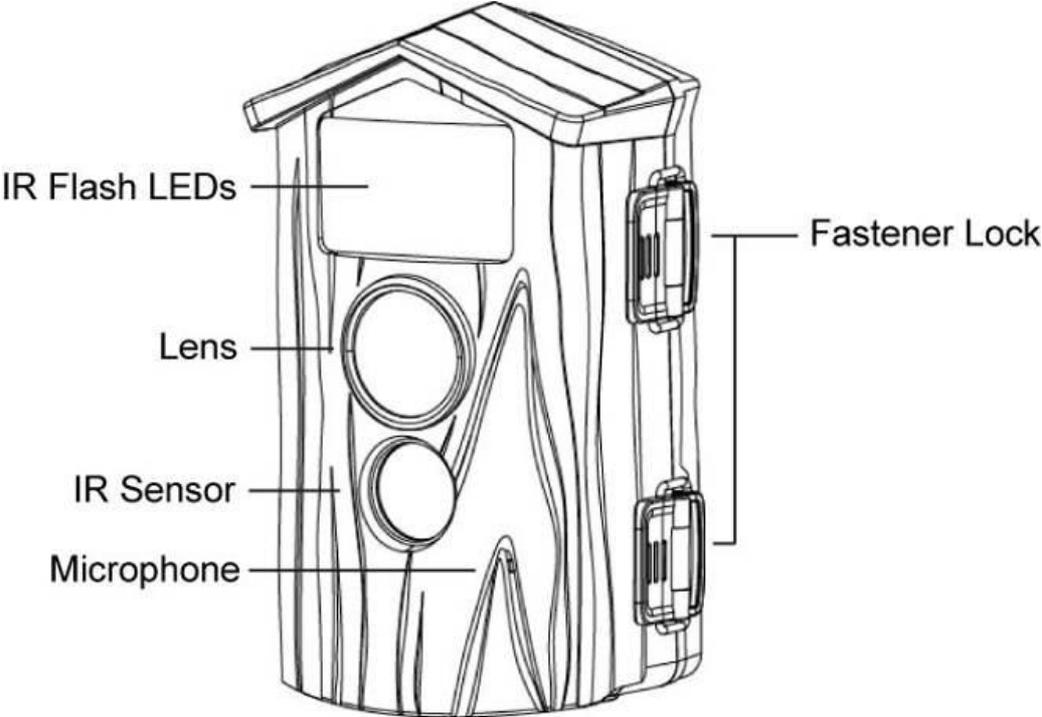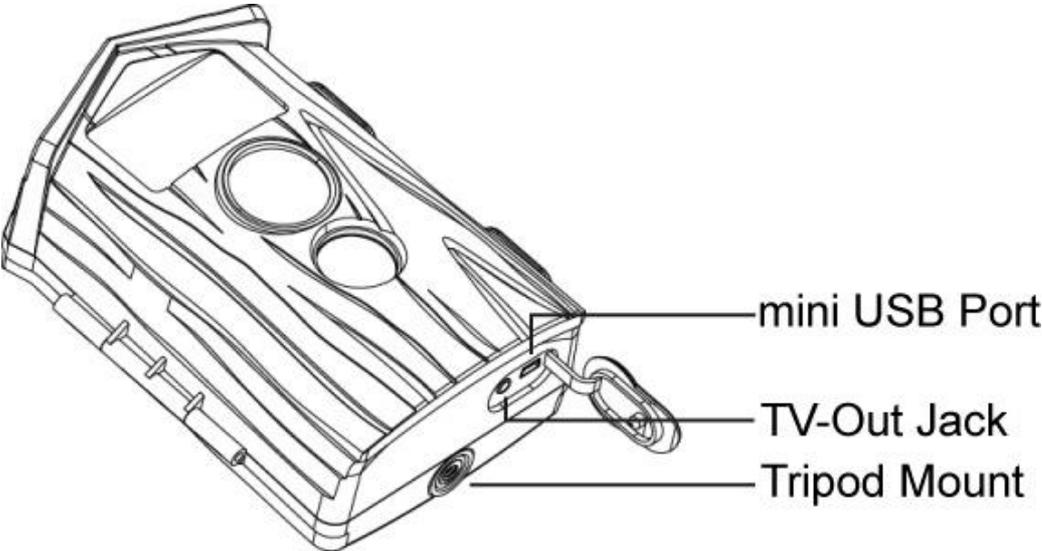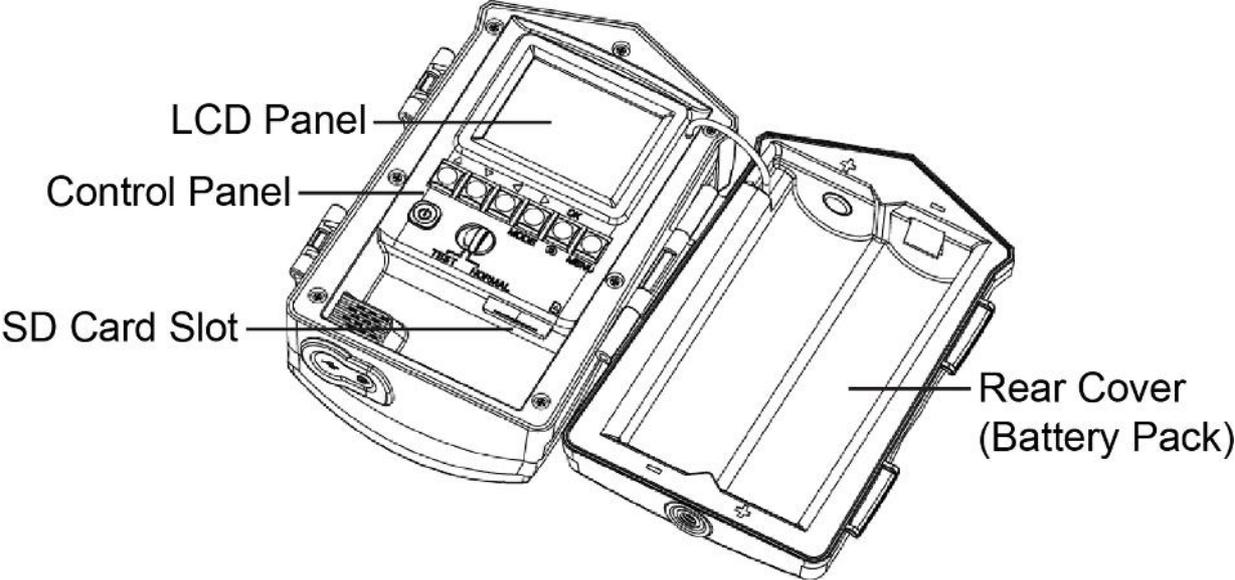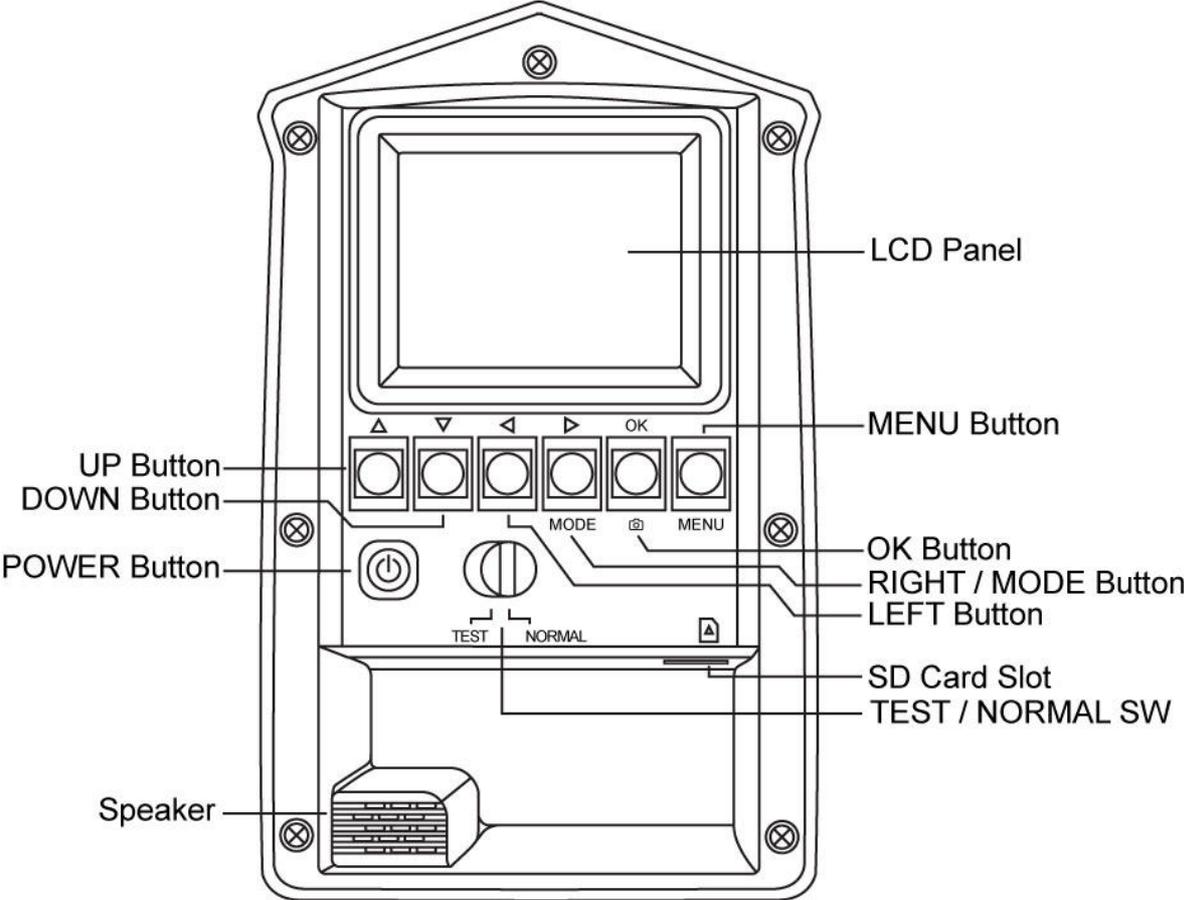
Installing batteries and SD card

Release 2 fastener locks and open the rear cover (battery pack) and install 4 new alkaline D cell batteries. Make sure to observe correct polarity.
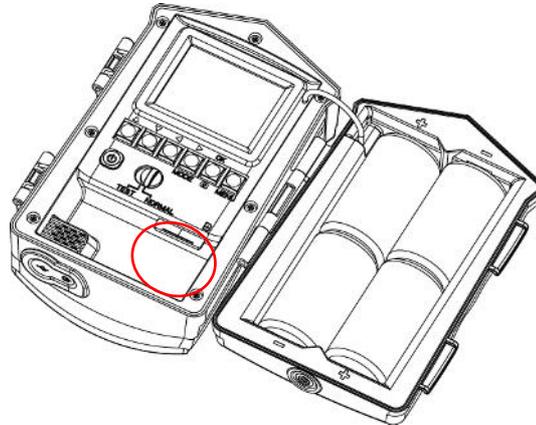
Install the SD card (see RED CIRCLE). Make sure to observe the correct polarity with clipped corner on the card to the right. An icon for the SD card will show on the right-up side of screen. All the pictures and videos will be saved in the memory card.

Note: If you have not insert a SD card. All the pictures and videos will be saved in the internal memory.

Start the Camera

Slide the TEST / NORMAL switch to NORMAL ➜
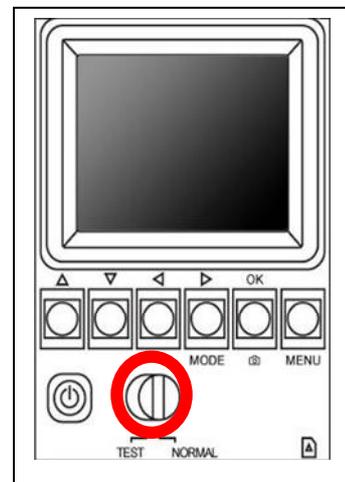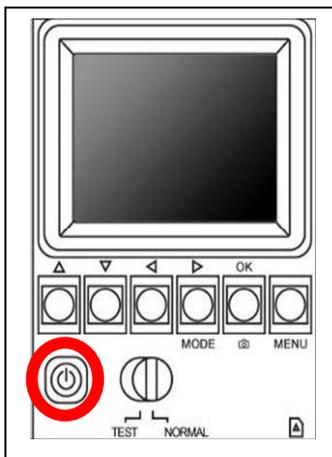
← Press the POWER Button and hold about 1 second to turn it on

It will initial the **Camera** system. Wait until the LCD display goes preview screen.

Setting up the Camera

Press the **POWER** Button to turn it on.

Press the **MENU** Button and show the
Setup menu
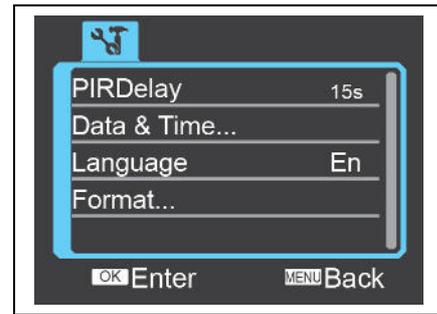
(A) PIRDelay (Passive InfraRed sensor): Define the interval time, before the PIR sensor will activate.

The PIR sensor only activates after end (!) of the interval time.
During this time camera does not take another picture.
This delay time prevents that multiple pictures of the same object or animal are taken.
The delay time of PIR sensor counts down after a picture is captured or a video recording is finished.
**For example:** The recording time is 15 seconds and the PIRDelay time is 30 seconds.
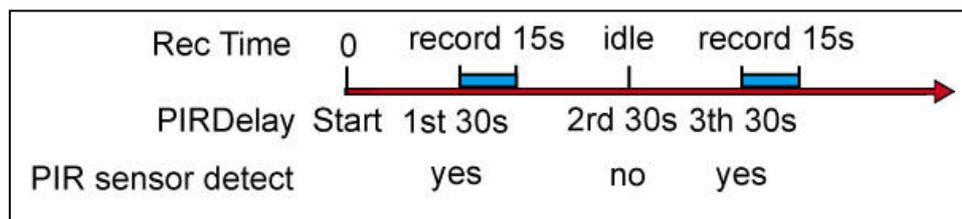
Press the **UP** / **DOWN** Button to the

PIRDelay item then press the **OK** Button.
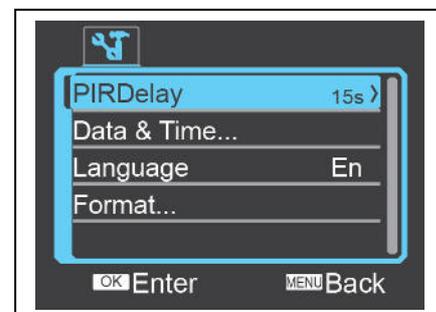
Press the **UP** / **DOWN** Button to select the
**Interval time 5 sec. / 10 sec. / 15 sec. /
30 sec.** (default time is 15 sec.)
Then press the **OK** Button.
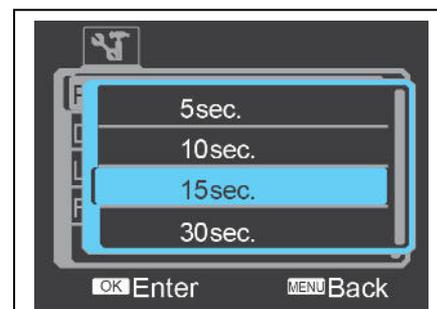
(B) Date & Time: Adjust the date / time and define the date format. The date and time data will print on the picture / video.

Press the **UP** / **DOWN** Button to the **Date & Time** item then press the **OK** Button.
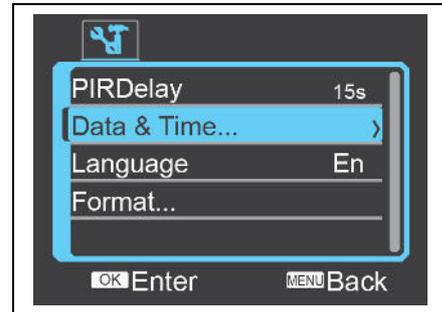
User the **UP** / **DOWN** / **LEFT** / **RIGHT** buttons to adjust the date, clock and date format.

Press the **OK** Button.

Note: When the first time power on the **Camera** or replace the battery. The Data & Time menu will active automatic to reset the Data and Time information.

(C) Language: Select a language version for the user interface.

Press the **UP** / **DOWN** Button to the **Language** item then press the **OK** Button.

Press **UP** / **DOWN** Button to select your prefered language (default is English).

Press the **OK** Button.
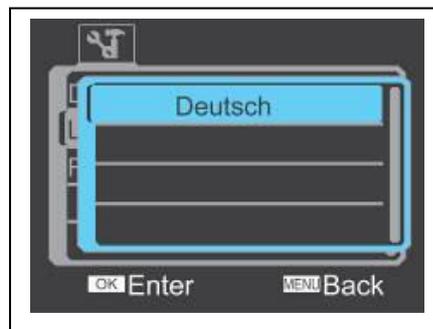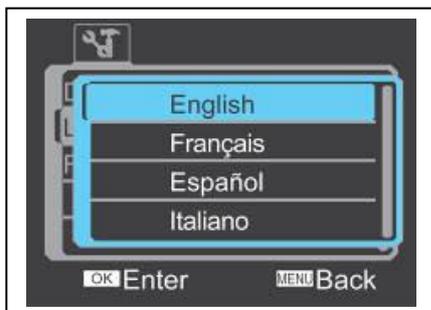
(D) Format: Clean all data in the memory card or the internal memory. If you have inserted a memory card that only format the memory.

Press the **UP** / **DOWN** Button to the

Format item.

Then press the **OK** Button.
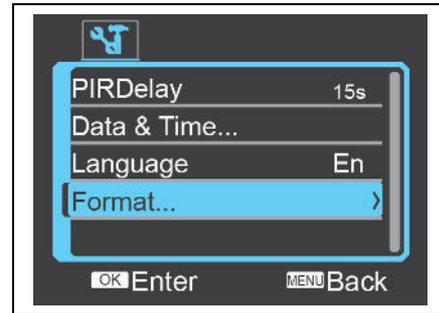
Press **UP** / **DOWN** Button to select **No** / **Yes**.

Press the **OK** Button.
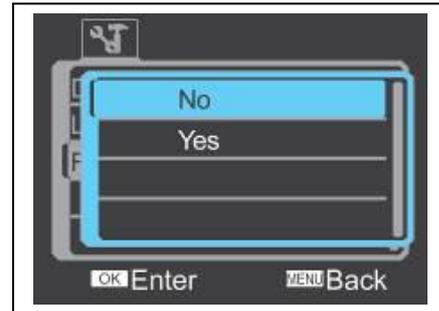
Note: 1. All data will be lose and can't restore. Make sure you have backup all data in the hard disk or other storage device before format it.

Strong recommend to format the memory card or internal memory before reuse your **Camera** which can make sure every data can be saved normally.

Test Mode

Before use the **Camera** make sure the PIR sensor

work normally. Test its sensitivity and a correct

detection zone for your purpose.

Slide the TEST / NORMAL switch to TEST.
Press the POWER Button and hold about
1 sec. to turn it on. Close the rear cover and
lock latches completely.

Slide the **Camera** in its mount
then fix it where you want to monitor.
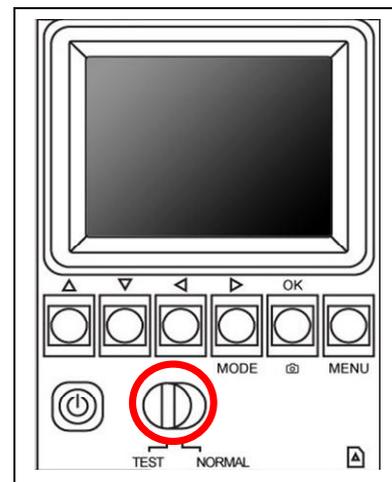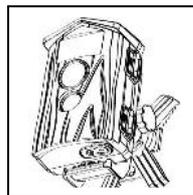
Walk back and forth in front of the **Camera**. The

red TEST LED will illuminate when the **Camera's**

sensor has detected you. Using this method you

can accurately position your **Camera** as desired.

Note: This TEST LED does not illuminate in

Surveillance mode. Slide the TEST/NORMAL

switch back to NORMAL after test completely.
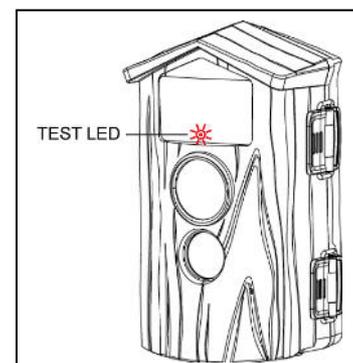
Function Mode
(A) Still Capture Mode

Press the **RIGHT** / **MODE** button to change the function to **Still Capture** mode. You can press the OK button to test this function. It will take a picture then stop. Cose the rear cover and lock latches completely. Slide the **Camera** in its mount then fix it to where you want to monitor.

(B) Video Mode

Press the **RIGHT** / **MODE** button to change the function to **Video** mode. You can press the **OK** button to test this function. It will start to record a 15 second video then stop. Close the rear cover and lock latches completely. Slide the **Camera** in its mount then fix it to where you want to monitor. **Note:** The default REC time is 15 seconds.
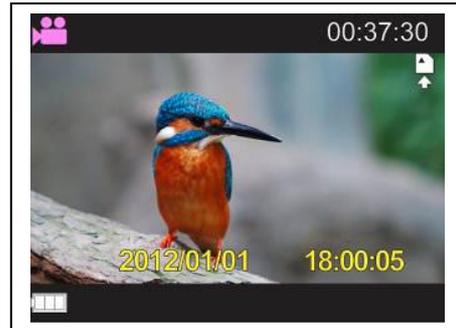
(C) Playback Mode

Press the **RIGHT** / **MODE** button to change the function to **Playback** mode.

Press **UP** (=forward) / **DOWN** (= backward) button to select which picture or video.

If the selected file is a video clip where will show a video camera icon on the left down side of the screen.
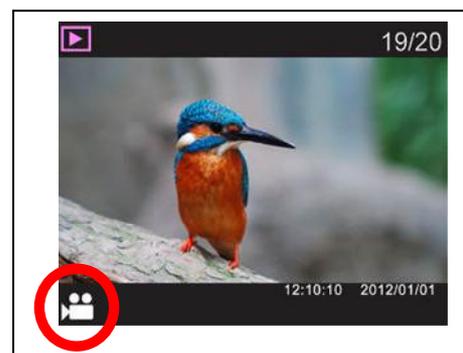
Then you can press the **OK** button to playback the video.

You can press the **UP** button to pause playback and press the **UP** button again to restart it.
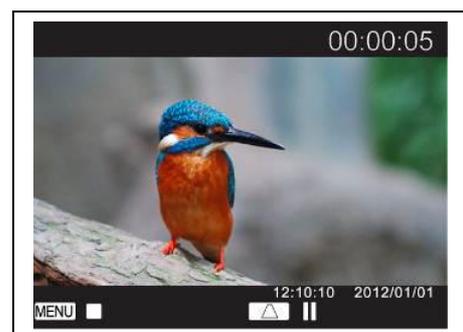
(D) Picture Information Bar
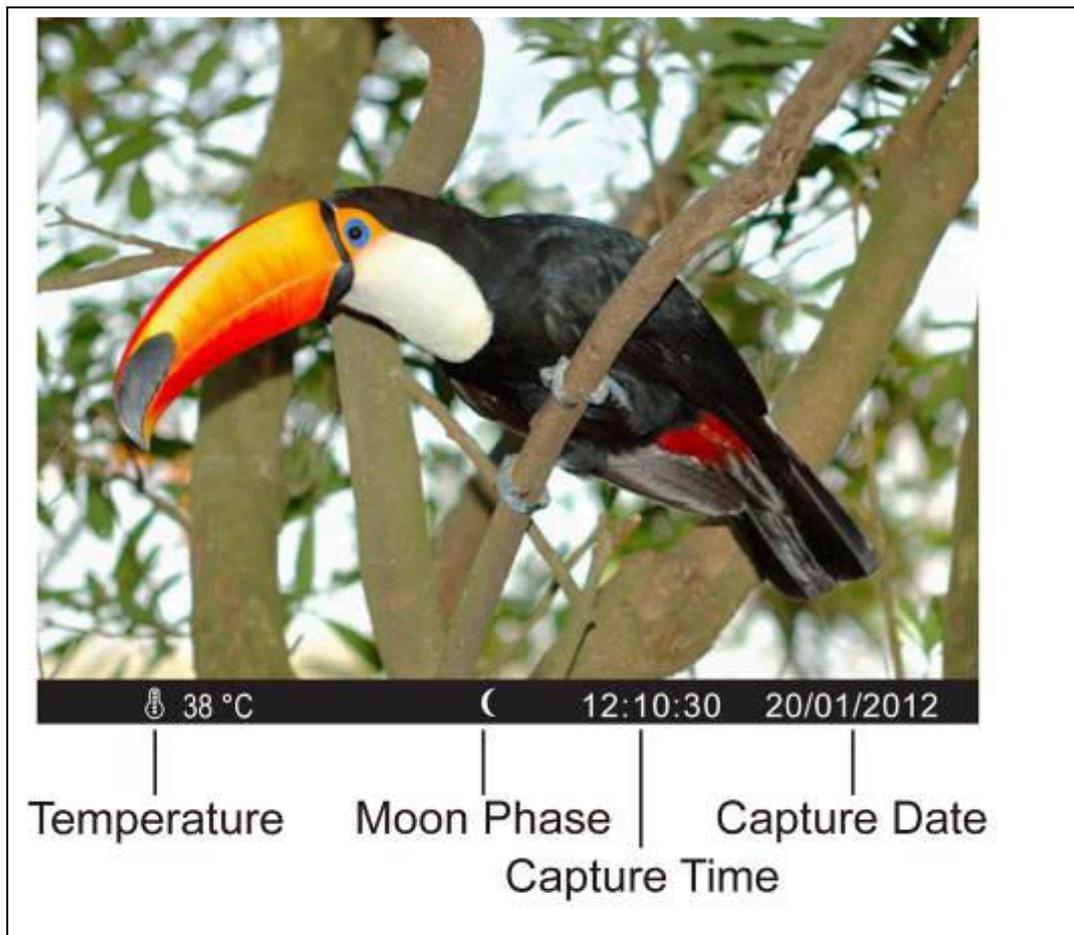
♨ 38 °C **Temperature**	Record the temperature during a picture is taken.
☾ **Moon Phase**	Record the moon phase of the day when a picture is taken.
	The main purpose is the active of most animals, which have a relation with the moon phase. This information is helpful to search for the animal.
12:10:30 **Capture Time**	Record the time information when a picture is taken.
20/01/2012 **Capture Date**	Record the date information when a picture is taken.

Start to use the Camera
(A) Surveillance Mode

If the **Camera** has not any operation from the control panel over 5 minutes. It will into the **surveillance** mode automatic. If has not any operation over 4,5 minutes. The front red LED starts blinking. After 15 seconds, the LED blinks fast. If still no any operation happened after 15 seconds. The LCD will turn off and enter the surveillance mode.

TEST LED
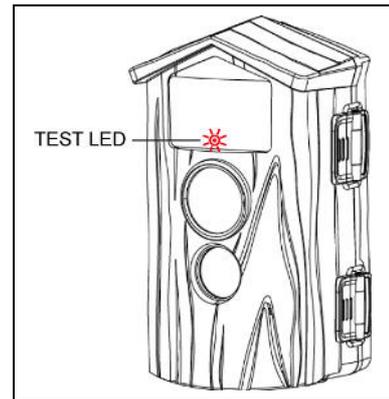
(B) Auto Detect and Record Photo / Video

The **Camera** has built-in a PIR sensor which will detect the heat/temperature of object then active the system to take a picture/record a video clip. The default interval time to active the PIR sensor is 15 seconds.

The PIR sensor only activates after end (!) of the interval time.
During this time camera does not take another picture.
This delay time prevents that multiple pictures of the same object or animal are taken.
The delay time of PIR sensor counts down after a picture is captured or a video recording is finished.

Function mode = Still Capture mode
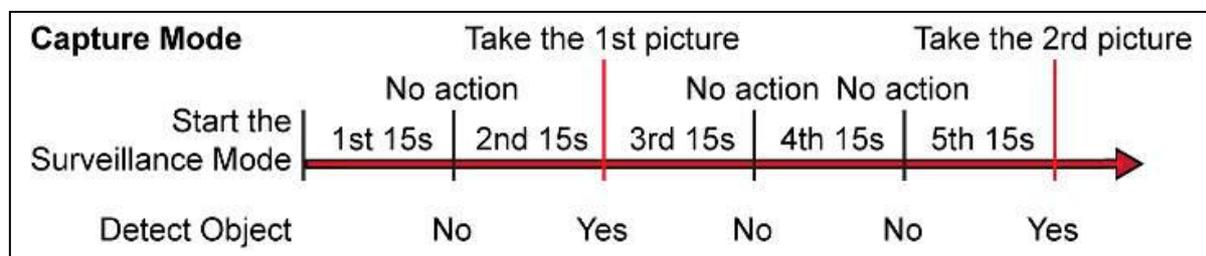
Function mode = Video Record mode
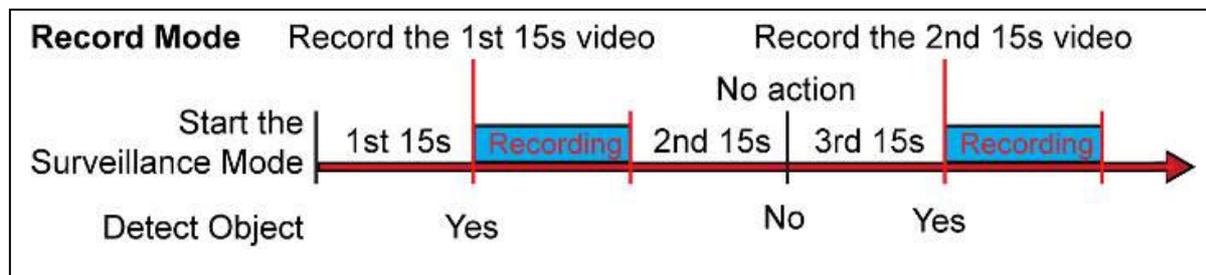
(C) Wake up the Camera

Go back to the NORMAL mode by press the POWER button. The LCD will turn on and return to the operation mode.

**Note: The system need to save the last record file before to weak up the camera. Sometime need a longer time to process it and restart the camera.**

Replace the Batteries

If your **Camera** does not appear to operate correctly. In some cases the batteries may be too low to turn on the LCD.

Release 2 latches and open the rear cover (battery pack). Check the battery power status icon appears on the LCD. When the battery power status icon appeared 1/3 or empty. That mean the battery power is very low. Press the **POWER** Button to turn it off. Remove all these 4 D cell batteries at the same time. Reload 4 brand new alkaline batteries. Make sure to observe correct polarity. Press the **POWER** Button to turn it on. Close the rear cover and lock latches completely.

Battery power status:

Full   2/3   1/3   Empty
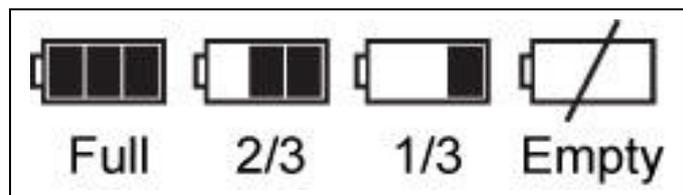
Attention: In case the battery power is too low, the battery icon (see ➔) will flash 5 times, and the camera will automatically power off.
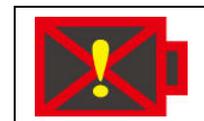
Firmware Version Check

Press the POWER Button and hold about 1 second to turn it on.

Slide the TEST/NORMAL switch to TEST.

Press DOWN ➔ DOWN ➔ LEFT ➔ DOWN button then display a TEST MENU.

Press the UP / DOWN button to About.

Press the OK button show a FW-INFO item.

Press the OK button to show the FW version on the top of screen.

Press MENU button to exit TEST menu.

Technical Specifications

Image Sensor	1/2 .5" CMOS sensor, 5 mega pixels		
Display	2.4 inch TFT 240 x 320 GRB panel		
Lens	F=2.7, f=7.5mm, 2G2P F:2.7, 52° View Angle Lens, Focus is fixed		
White Balance	Auto		
Exposure	Auto		
Video	Resolution	HD: 1280 x 720 (720p)	
	Encode	Motion JPEG	
	File Format	AVI	
Audio	Encode	IMA-ADPCM	
	Input	Built-in microphone	
	Output	Speaker of 0.8W	
Photo	Still Picture	5M (2592 x 1944 pixels)	
	File Format	JPG	
	Flash Type	IR LED x 36	
MDD	MDD = Motion Detection Distance ~ up to 15m (depends on environment temperature)		
TV Out	PAL		
Connector	Mini USB 2.0 / 5 pin port		
Power Source	4 x D-cell batteries		
Storage	SDHC card (up to 32GB)		
Weight	523g (without batteries)		
Dimensions	(L) 145 x (W) 100 x (H) 170mm (include mount)		

Security and Disposal Hints for Batteries: Hold children off batteries. When a child swallowed a battery go to a doctors place or bring the child into a hospital promptly! Look for the right polarity (**+**) and (**—**) of batteries! Always change all batteries, never use old and new batteries or batteries of different types together. Never short batteries. Do NOT open, deform or load up batteries! There is a **risk of injury** by battery leakage fluid! NEVER throw batteries into fire! There is a **risk of explosion**!

Hints for Environment Protection: Packages materials are raw materials and can be recycled. Do not disposal old devices /batteries into the domestic waste.

Cleaning: Protect the device from contamination and pollution. Only clean the device with soft cloth or drapery, avoid using rough or coarse-grained materials. Do NOT use solvents or other aggressive cleaner. Wipe the device after cleaning accurately. **Important Notice:** Should battery fluid leak from a battery, wipe the battery-case with a soft cloth dry.