

# tasco®



## Digital Trail Camera

### Instruction Manual

Model#: 119223C  
Lit# 93-0580/04-10

## IMPORTANT NOTE

Congratulations on your purchase of one of the best trail cameras on the market! Tasco is very proud of this little unit and we are sure you will be pleased with it as well. We appreciate your business and want to earn your trust. Please refer to the notes below and the instructions in this manual to ensure that you are completely satisfied with this product.

If your Tasco Trail Cam does not seem to be functioning properly or if you are having photo/video quality issues, **please check the Troubleshooting/FAQ section on pages 15-17.**

**Problems are often due to something simple that was overlooked, or require only changing one setting to solve.**

If your problem continues after trying the solutions in the Troubleshooting/FAQ section, **please call Tasco Customer Service at (800) 423-3537.** In Canada, call (800) 361-5702.

Tasco recommends using 4 Energizer® Alkaline “C” Cell batteries in this Trail Cam to obtain maximum battery life.

Tasco recommends using SanDisk® SD and SDHC Cards (up to 8GB capacity) in this Trail Cam.

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## INTRODUCTION

Congratulations on your purchase of the Tasco 119223C digital trail camera. This trail camera is designed to record the activity of wildlife in the outdoors with its still image and movie modes and weatherproof, rugged construction.

### Main Features:

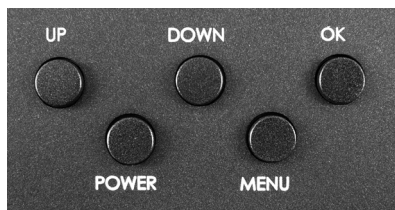
- 1.3MP digital sensor
- Compact Size (177mm\*137mm\*52mm)
- Long Battery Life (Up to 90 Days)
- Trigger Time=1.6 second
- LCD Display
- Xenon Flash
- 640\*480 at 15 FPS Videos
- Supports up to 8 GB SD Card
- Date, Time & Moon Phase Imprint
- Auto Exposure
- Auto White Balance
- Power Supply: 4 "C" Cell batteries
- Weatherproof

## Parts and Controls Guide



Front of Camera

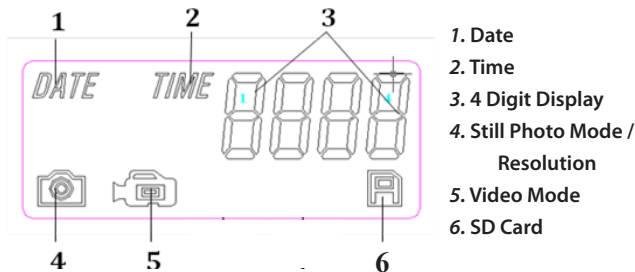
## Parts and Controls Guide



### Control Panel Detail

## CAMERA SETUP

Open the Cam by pulling out on the two latches on the right side. Install 4 "C" cell batteries (flat base of all batteries contacting springs), and insert an SD card (not included, use any capacity from 16MB to 8GB. Do not substitute MMC cards.) in the slot to the right of the 5 buttons as indicated on the slot cover (upside down, with the notched corner of the card on the left and metal contacts of the card facing the back of the slot). Press the card down until you hear it click into place. If the Cam is turned on without a card in place, it may not turn off-reset it by pulling one of the batteries out partway, insert a new or empty SD card, and put the battery back in place. Only remove or insert cards with power off.



## Setup Icons- Display Guide

### 1. Setting the Date, Year and Time

If you are using the camera for the first time, you should set the date and time so your photos will be "stamped" correctly.

#### Set Date and Year

- Briefly press the MENU button-the first two digits of the year will flash, prompting you to enter the year.
- Use the UP/DOWN buttons to set the current year (2010-2030), then press OK. Set the month the same way, and press OK again.
- Set the month the same way, and press OK again. The display will then change to let you set the day, with only the last two digits blinking.

## **CAMERA SETUP (continued)**

- Again use the UP/DOWN buttons to change the day if necessary and press OK.
- To set the time, use UP/DOWN to set the hour and minute. The time display uses the 24 hr standard, so 2:00 PM is indicated as "1400", etc.

**Note: The Date & Time setting will normally be retained for a few minutes when the batteries are removed from the camera. However, you may need to reset the Date & Time after replacing the batteries, if they have been removed for a longer period of time.**

### **2. Setting Camera/Video Mode and Resolution**

This item allows you to select whether the camera takes still photos (and select high or low resolution), or shoots video clips when the PIR is triggered (Photo or Video Mode).

- After the date and time have been set, press OK. You will see the camera icon and the word "Lo" will blink.
- By pressing UP/DOWN, the camera will cycle between Lo resolution still photo, Hi resolution still photo, and movie (video) modes. Choose the mode that you want and press OK.
- The "Lo" setting will allow you to take lower resolution (1.3MP) images and therefore accumulate more images on your card while the "Hi" setting will give you high resolution (3.0MP via software interpolation) images of better quality but fewer images can be stored to the card.
- In Movie mode a 14 second AVI file will be recorded to the SD Card each time the camera is triggered. The movie length is preset and cannot be changed. There are no additional settings or options for Video Mode.

### **3. Formatting SD Cards**

- Pressing OK again after the resolution options will go to the Format screen next. Formatting is recommended before you re-use an old SD card, and is a quick way to erase all of the photos/videos after



## CAMERA SETUP *(continued)*

you've saved any you wish to keep.

- The display will read "FoNo", with "No" and the SD card icon blinking. Press OK when "No" is flashing if you don't want to format the card.
- To format the card, press either UP/DOWN button and the "Fo" portion will blink. Press OK and the display will change to "Y N" with the SD card icon blinking.
- "N" (NO) is the default, so pressing OK will cancel the formatting, then pressing and holding MENU will exit menu mode.
- If you are certain that you want to format the card and DELETE all data and images on the card, then press either UP/DOWN button to select "Y" (YES). With "Y" flashing, press OK- the display will briefly change to "SdFr".

### **Exiting the Setup Menu**

Press and hold MENU to exit Menu mode at any time once you have finished changing any of the menu item settings or using one of the menu options.

In normal operating mode, the display will only show the still photo or movie clip icon in the lower left corner, an SD card icon on the lower right, and one or more digits that indicate how many photo or movie files have been stored on the card.

## CAMERA OPERATION

Once your camera has been setup, you are ready to begin using it to capture photos of wildlife activity in the area you choose to locate it. Just follow these steps:

### 1. Mount the Camera

It is recommended that you mount the camera about 4 or 5 feet (1.2~1.5 meters) off the ground, with the camera pointed at a slight downward angle. It's best to avoid mounting the camera facing east or west as the rising and setting of the sun could produce false triggers and overexposed images. Clear branches and other debris away from the front of the camera so as not to block the camera lens or PIR sensor.

To mount the camera in place, insert the strap through the strap slots on the rear housing. Wrap the strap around the mounting surface. Aim the camera at the area you wish to observe. Secure the strap and tighten the buckle in order to secure the camera.

Make sure that both door latches are securely locked in place, to ensure proper weather resistance.

### 2. Test the Camera

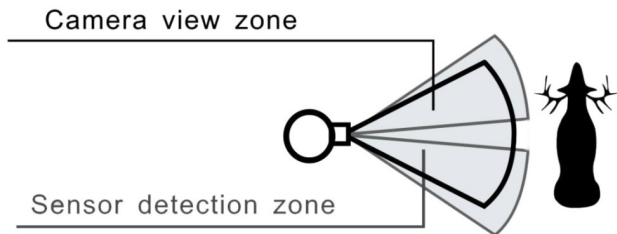
To test the camera operation, power on the camera and wave your hand in front of the lens and PIR (passive infrared/motion) detector, while looking at the LCD display. As long as events are being detected, a new still photo or movie clip (as set in the menu) will be recorded every 30 seconds, indicated on the display by "SnAP", then "SLP" (Sleep).

*Note: in Video Mode, the display will stay on "SnAP" for the duration of each video clip.*

The red LED lamp (PIR Indicator) on the front of the camera can help you determine how large an area is covered, as it will flash anytime an "event" is detected while the camera is in MENU mode. To check the coverage

## CAMERA OPERATION *(continued)*

area, press the MENU button, then step away from the camera. Move straight back from the camera to find the length (depth) of the sensor detection zone, and move left or right to check the width (edges) of the detection zone (*note that it becomes wider as you move farther back-see below*). When you no longer see the red PIR indicator flash as you move around, you are past the limits of the coverage area. Reposition the camera if necessary. When you finish testing the camera, press and hold MENU to exit Menu mode.



### 3. Set the Camera

Make sure the camera's power is turned on, and make sure a new or empty SD card has been inserted, then leave the area-there is a 30 second delay after power on before the first photo is taken. Batteries typically last 90 days or more, depending on how often the Cam is activated by events, how often the flash fires, ambient temperature, etc.

### 4. Secure the Camera

A standard padlock may be used in the camera's lock hole to secure it and prevent theft.

## VIEWING THE PHOTOS and VIDEOS

After your camera has been operating for awhile, you will of course want to review the photos and/or videos it has been capturing. This can be done by either of two methods, according to your preference or the availability of accessory equipment:

### Using an SD Card Reader

Make sure the power is off, and remove the SD card by pushing down lightly on the top edge of the card-it will pop up for removal.

Insert it into an SD card reader (available at most computer, photo, or electronics dealers) connected via USB to your PC or Mac to view, copy, or delete the photos (standard JPG files) and movies (AVI files) inside the "DCIM/100MEDIA" folder on the card. Double click on an individual file to see it, or open the files using the photo software of your choice.

### Connect the Camera to PC directly

Press POWER to turn on the camera, then press the MENU button.

Connect your camera to your PC with a compatible USB cable. The PC will recognize the camera as an external storage device, using the "USB Mass Storage" standard (no driver installation necessary-not compatible with Windows 98 or earlier). The PC will display a new disk symbol under "My Computer" or in Windows Explorer, and you will see a dialog window on your desktop with several options to view, move, or copy the photo and video files that are stored on the SD card.

## GLOSSARY

**PIR (Passive Infrared Sensor):** Senses motion like a typical security motion detector. Requires infrared energy (heat) in addition to motion to trigger the sensor to help limit detection to live animals (rather than leaves, etc).

**Xenon Flash:** This is a standard electronic flash tube, which fires automatically in low light conditions to provide adequate illumination.

**Battery Life:** Time that camera will function in the field. Dependent on ambient temperature, number of images taken and number of times the flash fires. When the battery voltage drops below 4.5v, the flash stops firing. When battery voltage is below 3.5v, the camera stops working.

**FULL:** When memory capacity (SD Card) is full, the LCD display indicates "FULL"

**Mass Storage:** Connect the USB cable to a computer, press the "MENU" button, and the computer can access the contents of the SD card. The camera is automatically recognized as an "external drive", without the need to install special drivers. (Win 98 and older operating systems are not supported. Mac OS9 and OSX are also compatible-the camera will appear on your desktop as an external storage device or "disk").

## Technical Specifications

<b>Model Number</b>	119223C
<b>Image Sensor Type</b>	1/3 Inch CMOS
<b>Effective Resolution</b>	1.3 Megapixels
<b>Effective Focal Length</b>	4.4 mm
<b>Lens Aperture</b>	f/2.0
<b>Display</b>	Monochrome LCD
<b>PIR Sensor</b>	Yes
<b>Trigger Speed</b>	1.6 second
<b>Max Flash Distance</b>	16 feet (5 meters)
<b>Storage</b>	SD Card up to 8 GB Capacity
<b>PIR Indicator</b>	Yes (Setup mode only)
<b>Selectable Image Resolution</b>	1.3MP, 3.0MP
<b>Video Resolution</b>	Movie: AVI 640 x 480 pixels @ 15 fps (15 seconds).
<b>File Format (Image/Video)</b>	JPEG/AVI
<b>Date Time Imprint</b>	Yes
<b>Moon Phase Imprint</b>	Yes
<b>Exposure</b>	Auto
<b>White Balance Mode</b>	Auto
<b>Power Supply</b>	4 "C" Cell batteries (alkaline or NiMh)
<b>Water Resistant</b>	Yes

## Troubleshooting / FAQ

### Battery life is shorter than expected

1. Battery life will vary with operating temperature and the number of images taken over time. Typically, the **Trail Cam** will be able to capture several images before the batteries die.
2. Check to make sure you have used new alkaline batteries. **Tasco recommends using 4 Energizer® Alkaline “C” Cell batteries in this Trail Cam to obtain maximum battery life.**
3. Make sure that the Power Button was switched to the “On” position, and that the camera was not left in setup mode.
4. Make sure that you are using a good quality name brand SD card in your camera. **Tasco recommends SanDisk® brand SD Cards up to 8GB.** Our experience indicates that poor quality SD cards can sometimes reduce your **Trail Cam** battery life.

### 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, the camera will stop taking images.
2. Check the batteries to make sure that they are new alkaline “C” Cell batteries. ***See note above about short battery life.***
3. Make sure that the camera Power Button is switched “On”.
4. Make sure that you are using a good quality SD card in your camera. **Tasco recommends SanDisk® SD Cards up to 8GB.**
5. If the SD card has its write protect switch in the lock position, the camera will not take images.
6. In some cases, other devices may change the formatting of the SD card so that it will not work properly with the **Trail Cam**.

### Camera won't power up

1. Make sure that you have installed all 4 batteries in the battery compartment. **Tasco recommends using 4 Energizer® Alkaline “C” Cell batteries in this Trail Cam.**
2. Make sure that the batteries are installed correctly, observing proper polarity. Always place the negative (flat) end of each battery in contact with the spring side of its slot inside the camera.

## Troubleshooting / FAQ

### Still Photo and/or Video Quality Problems

- 1. *Night photos appear too dark***
  - a. Try using a set of new batteries. The flash will stop operating near the end of the battery life.
  - b. You will get the best results when the subject is within the ideal flash range, no farther than about 16' (5m) from the camera. Subjects may appear too dark at greater distances.
- 2. *Daytime photos or videos appear too dark***
  - a. Make sure that the camera is not aimed at the sun or other light sources during the day, as this may cause the auto exposure to produce darker results.
- 3. *Night photos appear too bright***
  - a. You will get the best results when the subject is within the ideal flash range, no closer than 10' (3m) from the camera. Subjects may appear too light at closer distances.
- 4. *Daytime photos or videos appear too bright***
  - a. Make sure that the camera is not aimed at the sun or other light sources during the day.
- 5. *Photos with streaked subject***
  - a. In some cases with low lighting conditions and fast moving subjects, the HI resolution setting may not perform as well as the LO setting.
  - b. If you have multiple images where fast moving subjects produce streaks on the photo, try the LO setting instead.
- 6. *Red, green or blue color cast***
  - a. Under certain lighting conditions, the sensor can become confused resulting in poor color images.
  - b. If this is seen on a consistent basis, then the sensor may need servicing. Please contact Tasco customer service.
- 7. *Short video clips—not recording to the length set***
  - a. Check to make sure that the SD card is not full.
  - b. Make sure that the camera has good batteries in it. Near the end of the battery life, the camera may choose to record shorter video clips to conserve power.



## Troubleshooting / FAQ

### Photos Do Not Capture Subject of Interest

1. Try to set your camera up in an area where there is not a heat source in the camera's line of sight.
2. In some cases, setting the camera near water will make the camera take images with no subject in them. Try aiming the camera over ground.
3. Try to avoid setting the camera up on small trees that are prone to being moved by strong winds.
4. Remove any limbs which are right in front of the camera lens.

### PIR Sensor LED Flashes/Doesn't Flash

1. When the camera is in the "Setup" mode, the PIR Indicator LED on the front of the camera will flash when it senses motion. This is for setup purposes only and will help the user aim the camera.
2. During use, the LED will not flash when the camera takes an image. This is to help keep the camera hidden from game.

### Camera won't retain settings

1. Make sure that you have been saving the changes to any parameter settings that you made while in Setup mode, by pressing "OK" after changing the setting. If you don't save your new setting after changing it, the camera will continue to use the original default setting for that parameter.

## **TWO-YEAR LIMITED WARRANTY**

Your Tasco<sup>®</sup> product is warranted to be free of defects in materials and workmanship for two years after the date of purchase. In the event of a defect under this warranty, we will, at our option, repair or replace the product, provided that you return the product postage prepaid. This warranty does not cover damages caused by misuse, improper handling, installation, or maintenance provided by someone other than a Tasco Authorized Service Department.

Any return made under this warranty must be accompanied by the items listed below:

- 1) A check/money order in the amount of \$10.00 to cover the cost of postage and handling
- 2) Name and address for product return
- 3) An explanation of the defect
- 4) Proof of Date Purchased
- 5) Product should be well packed in a sturdy outside shipping carton, to prevent damage in transit, with return postage prepaid to the address listed below:

### **IN U.S.A. Send To:**

Tasco  
Attn.: Repairs  
8500 Marshall Drive  
Lenexa, Kansas 66214

### **IN CANADA Send To:**

Tasco  
Attn.: Repairs  
25A East Pearce Street, Unit 1  
Richmond Hill, Ontario L4B 2M9

For products purchased outside the United States or Canada please contact your local dealer for applicable warranty information. In Europe you may also contact Tasco at:

Tasco Germany GmbH  
European Service Centre  
Mathias-Brüggen-Str. 80  
D-50827 Köln  
GERMANY  
Tel: +49 221 995568-0  
Fax: +49 221 995568-20

This warranty gives you specific legal rights.  
You may have other rights which vary from country to country.

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Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.

### **FCC Compliance Statement:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device does not contain any user-serviceable parts. Repairs should only be made by an Authorized Tasco repair center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and will void your warranty and your authority to operate this device under Part 15 regulations.

The shielded interface cable which is provided must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.



# **tasco<sup>®</sup>**

For further questions or additional information please contact:

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