Important Battery Information

- Only use Alkaline or Lithium batteries. We recommend the use of Duracell or Energizer batteries.
- Do not mix old and new batteries. Always replace ALL the batteries at the same time.
- When the camera is not in use, please remove the batteries.

Moultrie Limited Warranty

This product has been thoroughly tested and inspected before shipment. It is guaranteed from defects in material and workmanship from the date of purchase for 1 year. Under this limited guarantee we agree to replace or repair free of charge any part or parts which have been found to be defective in original material or workmanship. Should you require in-warranty service, call our Customer Service Department. If your problem cannot be addressed over the telephone, we may need you to send us your defective product plus proof of purchase.

You must register your camera at **www.moultriefeeders.com/warranty** to activate your 1-year warranty.

Troubleshooting

Please visit **www.moultriefeeders.com/contact-us** for troubleshooting and helpful tips.

Returns and Repairs

Please visit **http://www.moultriefeeders.com/return-policy** and complete the form or our Service Department will gladly answer any questions you have. Call 800-653-3334, Monday - Friday, 8:00 AM to 5:00 PM CST.

FCC Statements

FC Moultrie Products MCG-12691	FC Moultrie Products MCG-12693
M-880 (Gen2)	**M-880i (Gen2)**

Note: changes and modifications not expressly approved by the party responsible could void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. 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.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: This device complies 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. This device 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 device 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.

MOULTRIE
www.moultriefeeders.com
PRADCO Outdoor Brands • 3280 Highway 31, Ste B • Calera, AL 35040
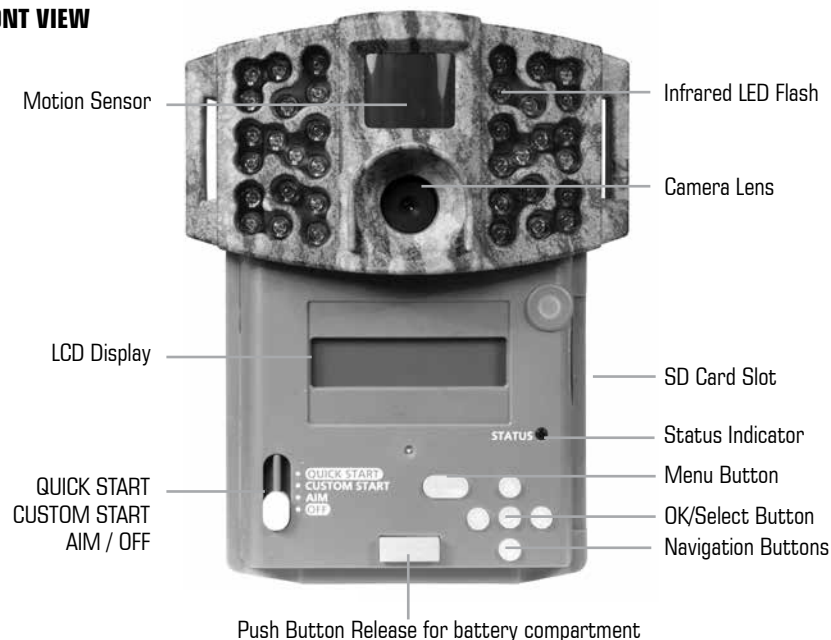

MOULTRIE
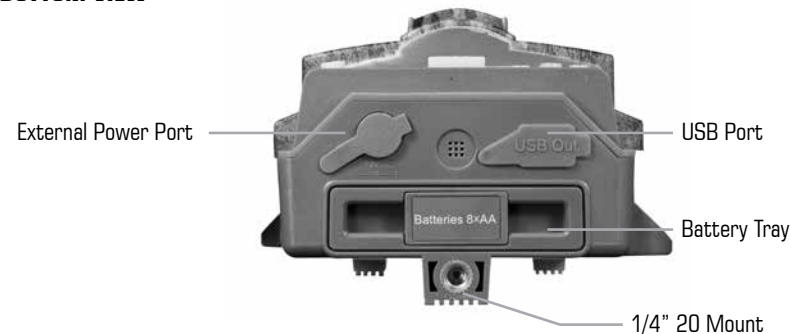# Instructions for M-880 (Gen2) Series Digital Game Cameras

THANK YOU for your purchase of an M-880 (Gen 2) Series Digital Game Camera. Please read this booklet before using the unit. If you should have any questions about this product or any other Moultrie product, please contact us using the information on the back of this booklet. Please register your camera at **www.moultriefeeders.com/warranty** to activate your warranty.

A CAMERA OVERVIEW

FRONT VIEW

- Motion Sensor
- Infrared LED Flash
- Camera Lens
- LCD Display
- SD Card Slot
- Status Indicator
- QUICK START / CUSTOM START / AIM / OFF
- Menu Button
- OK/Select Button
- Navigation Buttons
- Push Button Release for battery compartment

BOTTOM VIEW

- External Power Port
- USB Port
- Battery Tray
- 1/4" 20 Mount

MOULTRIE M-880 SERIES

RESET OPTIONS	PHOTO OR VIDEO	MULTI-SHOT	PIR SENSITIVITY

RESET OPTIONS	T.L. PROGRAM #2 STOP TIME	T.L. PROGRAM #2 START TIME	T.L. PROGRAM #1 STOP TIME	T.L. PROGRAM #1 START TIME

*If Timelapse Program #1 is set to Always On,
settings for Program #2 will be disabled.*

INFOSTRIP ACTIVE

VIDEO QUALITY

UPGRADE FIRMWARE

DEFAULT SETTINGS

General	
DATE/TIME:	11/11/14 11:11pm
PHOTO QUALITY:	HIGH (4 MP)
VIDEO QUALITY:	HD (1280 x 720)
VIDEO LENGTH:	10 SECONDS
MOTION FREEZE:	ON (FAST FLASH)
CAMERA NAME:	MOULTRIECAM
INFOSTRIP ACTIVE:	YES
TEMPERATURE:	FAHRENHEIT
AC CONNECTED?:	NO
PROGRAM SECURITY CODE:	00000
MANAGED MEMORY:	DO NOT OVERWRITE
ERASE ALL IMAGES:	NO
FACTORY RESET:	NO

Using a Tree Mount
The camera can also be mounted directly to a tree using a mounting bracket that attaches directly to a tree or pole. Strap the tree mount to the tree and secure, then attach the camera to the tree mount using the tree mount socket located on the back of the camera.

Using the Moultrie AC Adapter
Keep your Moultrie camera running in the field with the constant power of an AC adapter. Plug into a standard 110-240VAC 50-60Hz electrical outlet and then connect to the External Power Port on your Moultrie camera.

Note: Leave internal batteries in the camera during use. In the event of power loss to the outlet into which the AC adapter is plugged, the internal batteries will keep your camera running.

Using the Moultrie Camera Power Panel
Place near the tree where the camera is mounted. Place for best exposure to sun. To attach to a tripod secure the power panel to the tripod angled upward for best exposure. Plug the power panel to the Power Panel Plug. This will extend the life of your camera in the field.

Note: Leave internal batteries in the camera during use. The Camera Power Panel needs 4 hours of sunlight to fully power the camera.

Using the Moultrie Battery Box
Extend the field life of your Moultrie camera with a long-lasting, rechargeable external power source. Place near the tree where the camera is mounted. Plug the Battery Box to the Power Panel Plug. This will extend the life of your camera in the field.

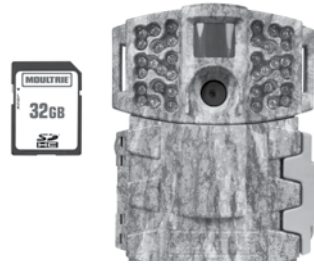There are a number of ways for you download and view the pictures, videos in the field or at another location.

Removing the SD Card
To remove the SD Memory Card, open the camera cover and push gently on the SD card and it will pop out slightly allowing you to remove it. Load the SD card into the player or card reader to view or move stored images to another location.

Important
Make sure that the camera is in the OFF position before removing SD card.

In the Field

You can download the pictures, videos, and time lapse pictures with the aid of external devices. To download, use an external player or card reader that is supported by 12V DC or Mini USB Jack.
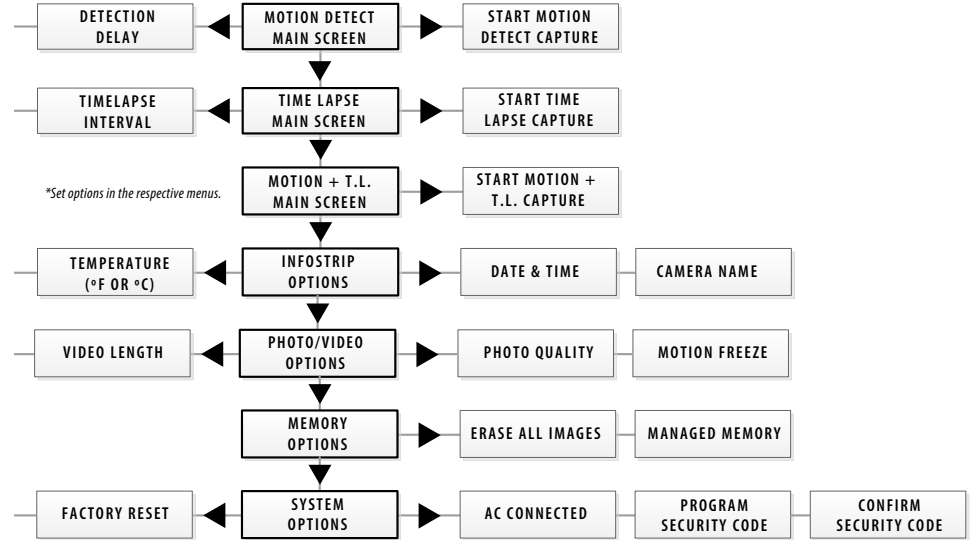
At Home

Remove the entire camera and transport to another location to download images. To connect the camera to a PC computer, turn the camera ON, press the MENU button once to change to SETUP Mode. Connect the USB cord (not included) between the USB out port and the PC computer. The computer will recognize the camera as a removable drive. The unit works with Windows XP/Vista/7 or Mac OS X 10.1 or higher. Copy the images and videos from the camera onto your PC for further editing or printing. When the USB cable is disconnected, the camera will go back to SETUP mode.

See the full line of Moultrie camera accessories at www.moultriefeeders.com

MENU MAP

Set options in the respective menus.

DETECTION DELAY	◄	MOTION DETECT MAIN SCREEN	►	START MOTION DETECT CAPTURE	
TIMELAPSE INTERVAL	◄	TIME LAPSE MAIN SCREEN	►	START TIME LAPSE CAPTURE	
		MOTION + T.L. MAIN SCREEN	►	START MOTION + T.L. CAPTURE	
TEMPERATURE (°F OR °C)	◄	INFOSTRIP OPTIONS	►	DATE & TIME	CAMERA NAME
VIDEO LENGTH	◄	PHOTO/VIDEO OPTIONS	►	PHOTO QUALITY	MOTION FREEZE
		MEMORY OPTIONS	►	ERASE ALL IMAGES	MANAGED MEMORY
FACTORY RESET	◄	SYSTEM OPTIONS	►	AC CONNECTED	PROGRAM SECURITY CODE / CONFIRM SECURITY CODE

Motion Detect		Time Lapse	
RESET OPTIONS?:	DO NOT RESET	**TIME LAPSE INTERVAL:**	10 SECONDS
DETECTION DELAY:	10 SECONDS	**TIME LAPSE PROGAMS/DAY:**	2 PROGRAM
PIR SENSITIVITY:	HIGH	**T.L. PROGRAM #1 START TIME:**	6 AM
MULTI-SHOT:	1 (OFF)	**T.L. PROGRAM #1 STOP TIME:**	9 AM
PHOTO OR VIDEO:	PHOTO	**T.L. PROGRAM #2 START TIME:**	4 PM
		T.L. PROGRAM #2 STOP TIME:	7 PM

QUICK START / CUSTOM START / AIM / OFF
Aim - When Aim is ON and the PIR Motion Sensor detects motion, the Status Indicator's red LED on the front of the camera will come on and remain lit as long as motion is detected.

MENU BUTTON
The Menu Button selects Camera Setup or Main Screen. When camera mode is selected, the LEFT and RIGHT buttons navigate through the menu options. The Menu Button is also used to wake-up the camera and turn on the display when the camera is in power saving (or sleep) mode.

OK, UP/DOWN and LEFT/RIGHT BUTTONS
The OK button selects the item to be changed. The UP/DOWN and LEFT/RIGHT buttons are used to step through and modify the menu options. Pressing the OK button again, selects the option indicated on the display. The OK button is also used to manually take a picture.

BATTERY COMPARTMENT
The camera is powered by eight (8) AA alkaline or lithium batteries. Push the battery compartment release button to eject the battery tray. Install batteries as indicated on the engravings on the battery tray, taking care to note the correct polarity.

See Important Battery Information section on the back page of this manual.

SD CARD SLOT
Accepts up to a 32GB SD Card (Class 4 or higher) for photo and video storage.

NOTE: A Class 4 or higher SD Card must be installed for the camera to operate (sold separately).

USB PORT
Download still pictures and video onto your computer by connecting a micro-B to USB cable (not included) to the USB port.

EXTERNAL POWER PORT
Accepts the Moultrie PowerPanel, Moultrie AC Adapter or Moultrie Battery Box accessories (sold separately) only. Refer to **www.moultriefeeders.com** for more information.

NOTE: The use of any other power source will void your warranty and possibly harm your camera.

Memory & Storage

Your camera supports external SD memory cards ONLY and will accept up to a 32GB card (Class 4 or higher). Using large memory cards can slow the camera response. The camera cannot capture any photo or video without external memory. Please insert an SD memory card to operate camera. Estimates are based on the most common types of memory cards that can be purchased at electronic stores, office supply stores, or online. Estimates may vary based on camera settings or environmental conditions.

Important
Always turn the unit off when inserting or removing an SD memory card to avoid damage and ensure that the camera properly updates the memory information.

Photo Mode		
SD Card Size:	**2 GB**	**16 GB**
ENHANCED 3840 x 2160	1800	15200
HIGH 2688 x 1512	3800	30400
MED 1920 x 1080	7500	60000
LOW 1280 x 720	18500	148000
Video Mode		
SD Card Size:	**2 GB**	**16 GB**
HD 1280 x 720 (based on 10 sec video)	110	880
VGA 640 x 480 (based on 10 sec video)	310	2480

Actual capacity will vary based on image properties.

Specifications

Operational Mode	Motion Detect / Time Lapse / Motion + Time Lapse
Resolution	8.0 MP
Still Resolutions	JPEG Low 1280 x 720, Med 1920 x 1080, High 2688 x 1512, Enhanced 3840 x 2160
Video Resolutions	VGA- 640 x 480, HD 1280 x 720
SD Memory Card	Up to 32 GB SD card, Class 4 or higher (not included)
Format	JPEG - Still pictures, AVI - Video clips
Power Supply	8 AA Alkaline or Lithium batteries (not included)

```
CONFIRM SECURITY
CODE        00000
```

Confirm Security Code
Once a Security Code has been entered, the camera will prompt you to verify the code. This will keep you from mis-entering a code or seting a code inadvertantly.

```
FACTORY RESET?
              NO
```

Reset to Default settings
You can reset your camera to the factory default settings. Press UP or DOWN to choose YES - all setups restored to factory default or NO - keep custom settings. Press the **OK** button again to make selection. Press the **Right** button to go to the Main Screen.

```
UPGRADE FIRMWARE
4M880-130903  NO
```

Upgrade Firmware
The firmware version is displayed. Press **Up/Down** to choose setting.

YES - To upgrade firmware.

NO - Keep current firmware.

NOTE: This operation should only be performed when prompted by a technician to do so.

Use the steps below as a guide to quickly set up your camera so it will function using the factory default settings.
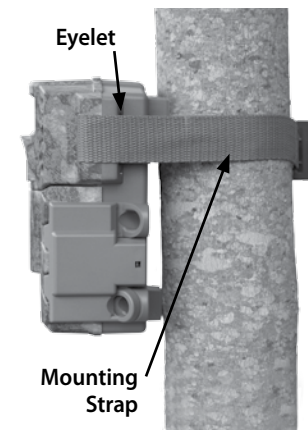
STEP 1
Open camera cover. Press the battery chamber release button. Install eight (8) AA size alkaline or lithium batteries with polarities as indicated in the Battery Tray. Re-install the Battery Tray and insert your SD card. We recommend that you erase the SD card (ERASE IMAGES) inside the camera before taking pictures: this will not only erase all images, but will also format your SD card for use in the camera.

STEP 2
Insert SD Memory Card until you hear an audible click. Camera will not operate without SD Card. Slide the power switch to **Quick Start.** Press the Left button to set the time and date.

STEP 3
Mount camera in desired location using a mounting strap. **NOTE: Camera must be attached to a stable object for motion detection to function properly. Mounting camera on an unstable structure may result in excess image captures with no subject (false triggers).**

Eyelet

STEP 4
Switch camera to Aim. Aim camera using motion detection to determine target area. Walk in front of the camera at the desired distance and the camera LED will flash showing the covered area. Switch camera to **Quick Start**.

Mounting Strap

STEP 5
Close cover. The camera will operate using Default settings. You may also customize the settings if desired in Custom Start.

Setting Run Mode
When you choose Quick Start, the only settings that you will be able to change will be **Date and Time**, allowing for rapid setup. Other settings are:

OPTION	SETTING
Mode	Motion Detect
Detection Delay	30 seconds
Multi-Shot	3-Triggered
Photo or Video	Photo

C   CAPTURE MODES

Setting Capture Mode
Use the **Up/Down** buttons to choose between operating modes. This camera has 3 modes.

1. Motion Detect - Capture photo or video when motion or heat is detected.

```
  MOTION DETECT
<OPTIONS    START>
```

2. Time Lapse - Capture photo at periodic intervals based on the Time Lapse program setting.

```
    TIMELAPSE
<OPTIONS    START>
```

3. Motion + Time Lapse - Uses a combination of Time Lapse and Motion Detect modes at different times of the day. Press the **Right** button to move to start motion capture.

```
   MOTION+T.L.
<OPTIONS    START>
```

NOTE: Options for Motion and Time Lapse can be set in their respective option menus.

D   SETTING MOTION DETECT OPTIONS

```
   MOTION DETECT
<OPTIONS    START>
```

Setup Selection Setting
From the Default Screen, pressing the Menu button will enter the current capture mode's Main Screen. Press the **Down** button 3 times to enter GENERAL SETTINGS. Press the **Left** button to move to the next setting. Using this method you can customize your camera's feature settings.

From this Main Screen, press **OK** to get to the Test Capture screen.

```
DETECTION DELAY
     10 SECONDS
```

Event Delay Setting
Detection Delay determines the number of minutes between pictures when an animal is detected and remains in range. Press the **OK** button. Use the **Up/Down** buttons to choose between (5 sec, 10 sec, 30 sec, 1 min, 5min, 10min, or 30 min). Press **OK** to lock in your selection, then press **Left** button to go to the next option.

I   MEMORY OPTIONS

```
MANAGED MEMORY
DO NOT OVERWRITE
```

Managed Memory
Selecting the OVERWRITE OLDEST option will cause the oldest files to be overwritten with new captures when the SD card reaches its capacity. With the DO NOT OVERWRITE option selected, the camera will cease image capture once the SD card reaches capacity. Press the **OK** button to select. When your selection has been made, press **Right** button to go to the next option.

```
ERASE ALL IMAGES
              NO
```

Erase Images
Press the **OK** button. Use the **Up/Down** buttons to choose between Yes - erase all images, or No - does not change stored images. Press the **OK** button to select. When your selections has been made, press the **Right** button to move to the next option.

NOTE: This will also format your SD card for use in your camera.

J   SYSTEM OPTIONS

```
AC CONNECTED?
              NO
```

AC Connected
Press the **OK** button. When the camera is connected to an AC power supply and this option is selected, the camera will remain on instead of going to a sleep state between detection and capture sequences. This will greatly improve camera speed and performance and can be used in conjunction with most external supplies, but is only recommended when connected to an AC power supply. In the event this option is selected but no external supply is detected, it will default to the NO state. Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.

```
PROGRAM SECURITY
CODE        00000
```

Security Code
Press the **OK** button. Use the **Up/Down** and **Left/Right** buttons to select a 5 digit security code for your camera. Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.

NOTE: Please remember your security code. If the code is lost, you can contact Moultrie customer support to reset the password (charges may apply). Also, use caution when navigating through the Security Code option as not to set a code by mistake. For no Security Code, the setting should remain as "00000".

```
PHOTO QUALITY
         HIGH(4MP)
```

Setting Photo Quality
Press the **OK** button. Use the **Up/Down** buttons to choose between 4 image resolution settings.

1. Enhanced: 3840 x 2160
2. High: 2688 x 1512
3. Medium: 1920 x 1080
4. Low: 1280 x 720

Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.

```
MOTION FREEZE
ON (FAST FLASH)
```

Setting Motion Freeze
This feature maximizes the image clarity during night photos. When this feature is on the camera will adjust the exposure time to reduce blur associated with motion. Other adjustments are made to increase the brightness and clarity of the photo. When this feature is turned off the camera will use a maximum exposure time that will not reduce blur, but will increase the effective flash range and image brightness of night photos. Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.

```
VIDEO QUALITY
     HD (1280X720)
```

Setting Video Quality
Press the **OK** button. Use the **Up/Down** buttons to choose between 2 image quality settings.

1. HD: 1280 x 720
2. VGA: 640 x 480

Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.

```
VIDEO LENGTH
     10 SECONDS
```

Setting Video Length
Press the **OK** button. Use the **Up/Down** buttons to choose between 5 video length settings (5, 10, 30, 60 or 90 seconds). Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option. **NOTE: Night videos are limited to a maximum of 30 seconds.**

```
PIR SENSITIVITY
             HIGH
```

PIR Sensitivity
PIR Sensitivity allows you to control as to how much movement and at what distance the camera will trigger. HIGH sensitivity will allow for more distance, but will make the camera slightly more susceptible to false triggers and is ideal for open areas such as fields and food plots. LOW sensitivity will shorten the distance but lower the chance of false triggers and is ideal for close range traps and deeply wooded areas. Press the **OK** button. Use the **Up/Down** buttons to choose between (HIGH or LOW). Press **OK** to lock in your selection, then press **Left** button to go to the next option.

```
MULTI-SHOT
        1 (OFF)
```

Setting Multi-Shot
Press the **OK** button. Use the **Up/Down** buttons to choose between settings. Choose how many pictures you would like captured in a sequence when the camera is triggered (1 or 3).

Available options are:

1 (OFF) - Single photo taken per event.

3 BURST - Three rapidly captured photos taken per event. All 3 photos are captured within one second.

   NOTE: Burst mode is only capable of up to 4MP captures, regardless of your resolution setting.

3 TRIGGERED - Up to three photos are captured per event with an approximate one second delay between each capture. Each subsequent photo after the first requires an individual trigger. This allows for multiple potential image captures of the same event while reducing the chance of empty images if the subject moves out of the field of view after the first shot.

Press **OK** to lock in your selection, then press **Left** button to go to the next option.

```
PHOTO OR VIDEO
            PHOTO
```

Setting Photo or Video
Press the **OK** button. Use the **Up/Down** buttons to choose between Photo, Video or Both. Press the **OK** button. Press **Left** button to go to the Main Screen.

```
RESET OPTIONS?
    DO NOT RESET
```

Reset Options
Press the OK button. Use the Up/Down buttons to choose between a set of predefined configurations for the motion detect capture mode to quickly configure your camera for certain levels of performance. Press **OK** to lock in your selection, then press **Left** button to go to the next option.

E — SETTING TIMELAPSE OPTIONS

TIMELAPSE SOFTWARE INSTALLATION
Download your free Time Lapse software at **www.moultriefeeders.com/timelapsesoftware**

For PC users: Installation and operation instructions are available here, as well.

For Mac users: This software is not Mac-compatible. You can import your image files into a program such as iMovie and create timelapse movies this way.

```
TIMELAPSE
INTERVAL   10 SEC
```

Interval Time Setting
Press the **OK** button. Use the **Up/Down** buttons to choose between 10, 30 seconds / 1, 5, 10, 15, or 30 minutes / 1, 2, 3, 6, 12 hours or 1 day. When your selection has been made, press the **Left** button to go to the next option.

```
T.L. PROGRAM    #1
START          6AM
```

Setting Program Wake up
Press the **OK** button. Use the **Up/Down** buttons to choose between 24 different settings: any hour from MIDNIGHT to 11 PM. This will determine what time the camera will wake up during the program and begin its time lapse program. Setting to ALWAYS ON will make the camera operate in timelapse 24 hours/day. Press **Left** button to go to the next option.

```
T.L. PROGRAM    #1
STOP          10AM
```

Setting Program Sleep
When wakeup time is set, the camera will automatically move to the Sleep option. Set the sleep time after the wakeup time you already set. This will set the wake up and sleep during the time lapse photography. Press the **OK** button. Press **Left** button to go to the next option.

NOTE: Repeat the above steps for each Program #2 to be set.

Press **Left** button to go to the Main Screen.

WARNING: If Program #1 is set to Always On, settings for Program #2 will be disabled.

```
RESET OPTIONS?
    DO NOT RESET
```

Reset Options
Press the OK button. Use the Up/Down buttons to choose between to reset your Timelapse options.

F — SETTING MOTION + TIMELAPSE OPTIONS

Setting Motion + Timelapse Features
When in this operating mode, the camera will operate on the Timelapse settings until it detects motion. The camera will then wake and capture the photo or video and then return to the set Timelapse program.

NOTE: The settings entered for both Timelapse and Motion Detect modes will be used when in this mode. Settings can be made in their respective menus.

G — SETTING INFOSTRIP OPTIONS

```
INFOSTRIP ACTIVE
            YES
```

Infostrip Active
Use the **Up/Down** buttons to choose between:

YES - Camera Name, Time, etc, information will be imprinted at the bottom of the image/video as an infromation bar
    Note: Remember to input the camera name in the setup and set the clock accordingly.

NO - No information bar will be imprinted.

Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.

```
TEMPERATURE
     FAHRENHEIT
```

Temperature
The temperature is imprinted on each photo and can be in degrees Fahrenheit or Celsius.
To change the temperature units, press the **Up/Down** buttons to highlight the desired setting.
Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.

```
DATE & TIME
11/11/14 11:11pm
```

Setting Date and Time
Press the **OK** button. Use the **Left/Right** buttons to move from one value to the next and the **Up/Down** buttons to adjust each value. Press the **OK** button to lock in selections. When all your selections have been made, and the date and time has been set, press the **Right** button to move to the next option.

```
CAMERA NAME
     MOULTRIECAM
```

Setting Camera Name
Press the **OK** button. Use the **Up/Down** and **Left/Right** buttons to select an identity for your camera. For example, you can use a name or a location; the identity you wish to use is up to you. Press the **OK** button to confirm the selection. Press the **Right** button to move to the next option.