PARTS AND CONTROLS

The Trophy Cam provides the following connections for external devices: USB port, SD card slot, TV Out, and external DC power in (Fig. 1).

A 3-way power switch is used to select the main operating modes: OFF, SETUP, and ON (Fig. 2).

A control key interface with six keys is primarily used in SETUP mode to select operational functions and parameters. As shown in Fig. 2, these keys are: UP, DOWN, LEFT, RIGHT, OK and MENU. Four of the keys can also perform a second function (shortcut operations in SETUP mode) in addition to their main function: The DOWN key can be used to set the camera to Photo mode (still camera icon), and the UP key can set the camera to Video mode (movie camera icon). The RIGHT key also serves as the manual shutter (“SHOT”) button of the camera and the OK key switches the camera to the Playback (“REPLAY”) mode. These secondary functions are indicated by icons or text above the key as shown in Fig. 2.

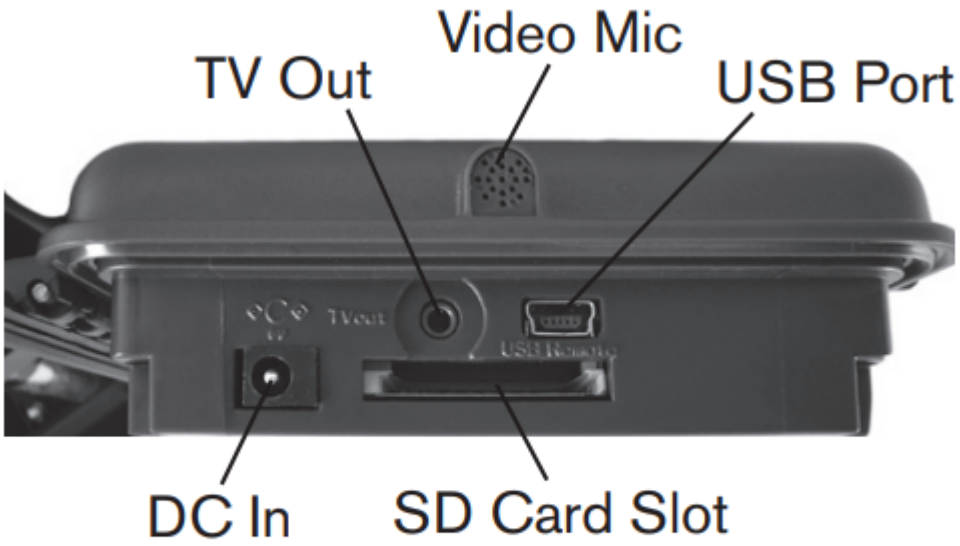
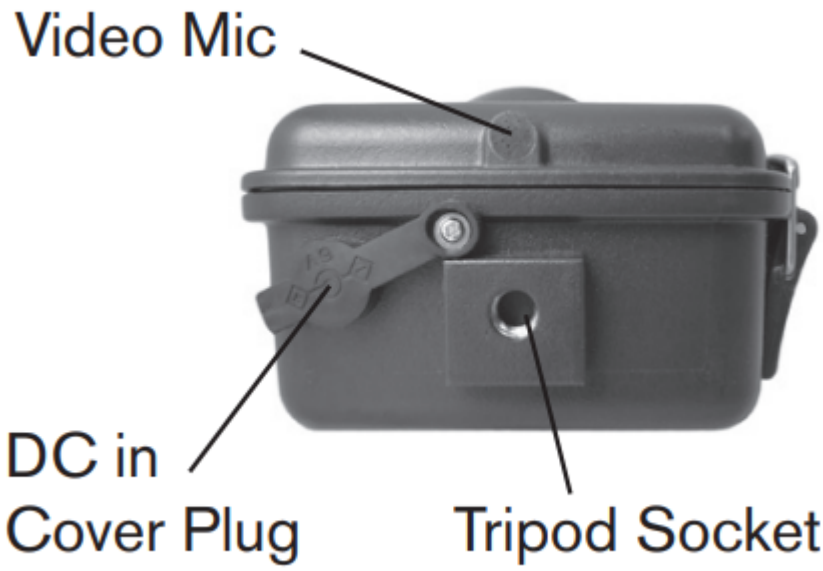
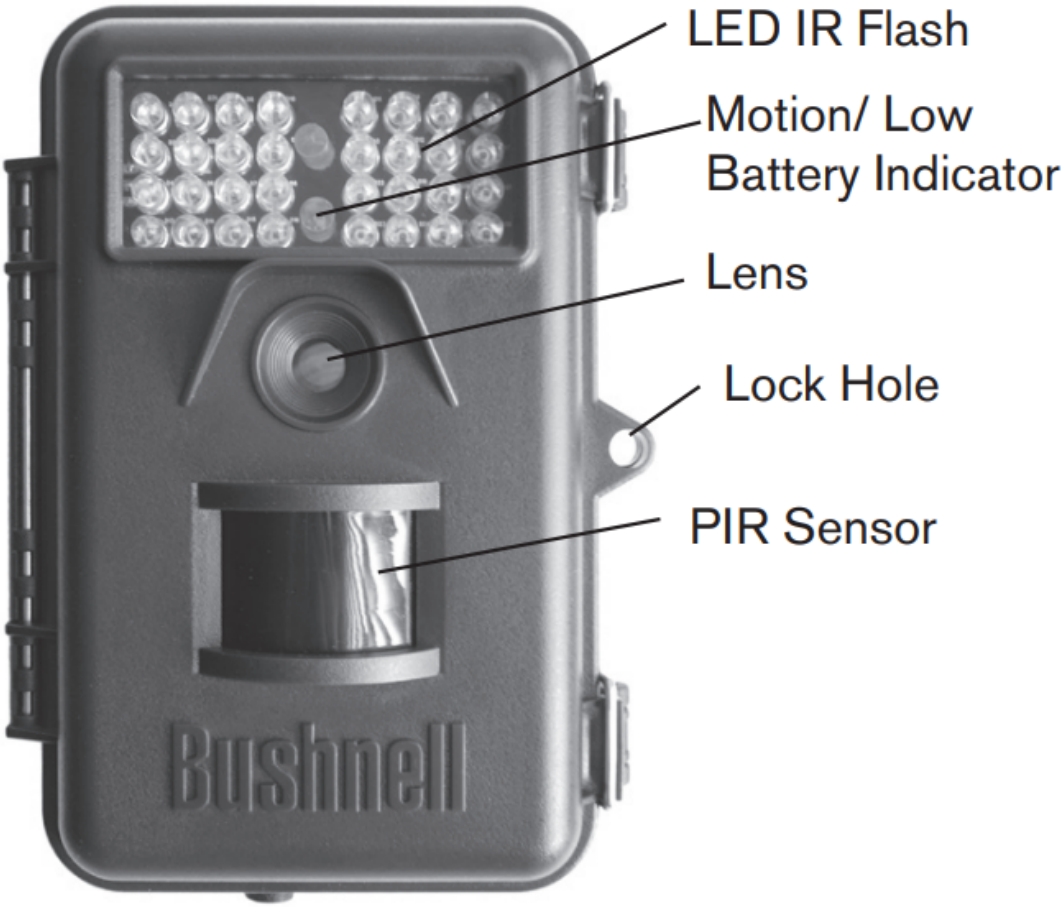


Fig. 1: **Connections**



FRONT VIEW



BACK VIEW

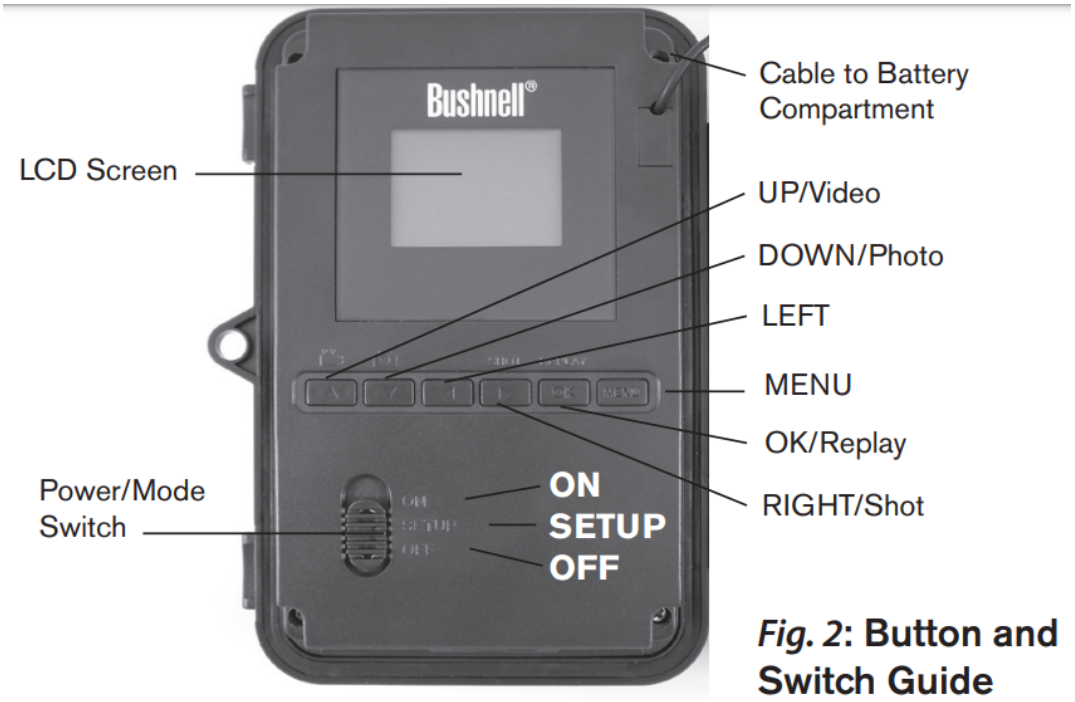


***Fig. 2*: Button and Switch Guide**

INSTALLING THE BATTERIES AND SD CARD

Before you begin learning how to use your Trophy Cam, you will first need to install a set of batteries and insert an SD card. Although that may only take you a minute, there are some important notes about both batteries and SD cards you should be aware of, so please take the time to read the following directions and cautions:

Loading Batteries

After opening the two latches on the right side of the Trophy Cam, you will see that the Trophy Cam has eight battery slots. Starting at the top of the battery compartment, slots 1, 2, 3 and 4 form one group, while slots 5, 6, 7 and 8 form the other group, each providing 6 volts in parallel. For maximum battery life, you should install a full set of eight batteries. The Trophy Cam may also be operated by just four batteries installed in the top group only (see right), starting at slot 1. Battery life will be shorter with 4 batteries, but the camera will operate normally. Whether you use 4 or 8, be sure to insert each battery with correct polarity (negative or “flat” end against the long spring of each battery slot). Bushnell recommends using eight new lithium AA (Energizer® brand) or alkaline AA batteries. NiMh Rechargeable batteries can also be used, but they might have a shorter life span due to their reduced efficiency over time and at low temperatures. It is also possible to use a lead-acid external battery cell with 6V output or suitable AC adapter-see below for more details.

Using an External Power Source (optional, user-provided)

Optionally, you can connect an external 6V DC power source to the “DC In” jack at the bottom of the Trophy Cam. It is recommended to use a power source with a current output greater than 1000mA. However, during bright daytime operation when no flash is required, the Trophy Cam can function with much less current (>400mA). Please use a compatible power source cable (not provided) to connect the external DC power source with the power input jack of the Trophy Cam, making sure that the polarity is correct. Note: The power connector is a 4.0x1.7mm coaxial DC power plug with positive “tip” (inside pin) polarity (Radio Shack P/N 274-1532 or equivalent).

If both an external power source is connected and batteries are installed, the Trophy Cam will be powered by the external power source.

When the batteries become weak, the low-battery indicator LED will glow blue, indicating the batteries should be changed (pg 5, “Front View”).

Inserting the SD Card

The Trophy Cams have 32MB internal memory, which can hold only about 20 photos (@ 5MP resolution). This is handy for testing and getting familiar with the camera, but you will no doubt want to leave the camera unattended for longer than a day, so using an SD card is

recommended. Insert the SD card (with the camera's power switch in the OFF position) before beginning to operate the camera. Don't insert or remove the SD card when the power switch is in the ON position.

The Trophy Cam uses a standard SD (Secure Digital) memory card to save photos (in .jpg format) and/or videos (in .avi format). SD and SDHC (High Capacity) cards up to a maximum 32GB capacity are supported. Before inserting the SD card into the card slot after opening the camera's front cover, please make sure that the write-protect switch on the side of the card is "off" (NOT in the "Lock" position). The following describes how to insert and remove the SD card:

• Insert the SD card into the card slot with its label side upwards (see above). A "click" sound indicates that the card is installed successfully. If the wrong side of the card is facing up, you will not be able to insert it without force-there is only one correct way to insert cards. If the SD card is not installed correctly, the device will not display an SD card icon on the LCD in SETUP mode (the SD card icon displayed after switching to SETUP mode will have a "lock" symbol inside it in it if the card is locked). Formatting the SD card by using the Trophy Cam's "Format" parameter before using it for the first time is recommended, especially when a card has been used in other devices (see "Changing Menu Parameter Settings", pg. 19, for details).

• To take out the SD card, just gently push in the card (do not try to pull it out without pushing in first). The card is released from the slot and ready to be removed when you hear the click. Be sure the camera's power is switched OFF before inserting or removing SD cards or batteries.

USING THE TROPHY CAM

Once you've prepared your Trophy Cam by properly installing batteries and an SD card, you could simply take it outside, strap it to a tree, switch it on and leave-and you might get some great photos that are exactly what you wanted. However, we highly recommend that you first

spend some additional time indoors with this manual and your camera until you know a bit more about what the 3-way switch and those control keys do. If nothing else, you'll probably want to at least set the date and time so the camera will imprint them (or not-it's your option) on your photos as they are taken, learn how to set the camera to shoot video clips instead of still photos if you like, and read some tips about mounting it on a tree.

THE OFF, ON, AND SETUP MODES

OFF Mode

The OFF mode is the "safe" mode when any actions must be taken, e.g., replacing the SD card or batteries, or transporting the device. You will also use OFF mode if you connect the camera to a computer's USB port later to download your photos/videos. And of course, when you are storing or not using the camera, you will switch it to OFF. Please note that even in the OFF mode the Trophy Cam still consumes power at a very low level. Therefore, it's a good idea to take the batteries out of the battery compartment if the camera will not be used for a long time.

ON Mode

Anytime after the batteries and SD card have been inserted, you can switch on the camera. When the power switch is moved to the top position, the camera will enter into the ON (Live) mode. The motion indicator LED (pg. 7, "Front View") will blink red for about 10 seconds. This interval allows time for you to close the Trophy Cam's front cover, lock it, and leave the monitored area. Once in the ON mode, no manual controls are needed or possible (the control keys have no effect). The Trophy Cam will take photos or videos automatically (according to its current parameter settings) when it is triggered by the PIR sensor's detection of activity in the area it covers. You can either move the power switch directly from OFF to ON mode, or stop at the SETUP position first to change one or more settings, then move the switch to ON after you have finished doing so.

SETUP Mode

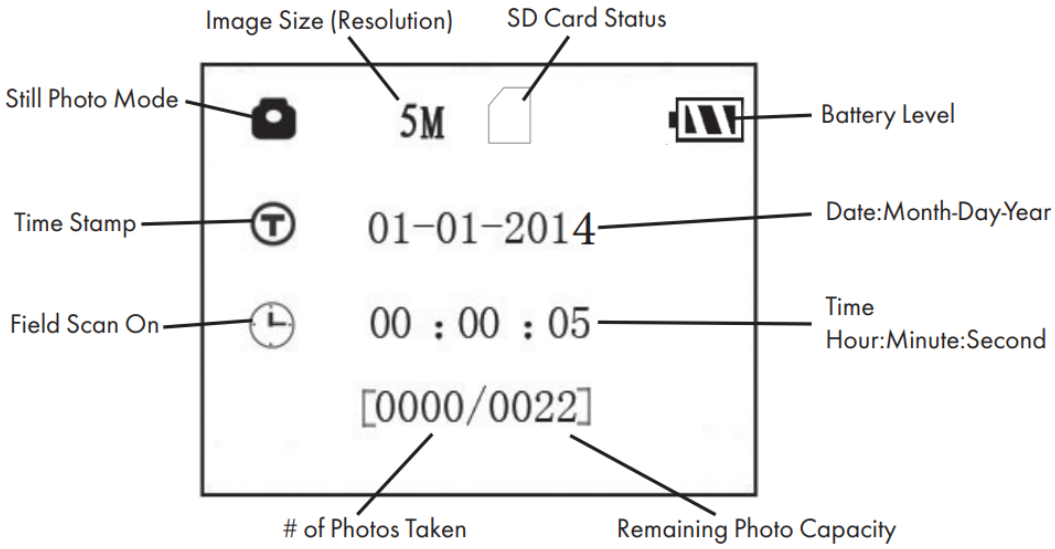
In the SETUP mode you can check and change the settings of the Trophy Cam with the help of its built-in LCD (or a monitor connected to the TV out jack). These settings, found in the SETUP Menu, let you change the photo or video resolution, interval between photos, switch the time imprint on, etc. Moving the power switch to the SETUP position will turn on the LCD display, and you will see an information screen that shows how many images have been taken, the battery level, camera or video mode, etc (see Fig. 3).

SETUP Mode Shortcut Keys/Functions

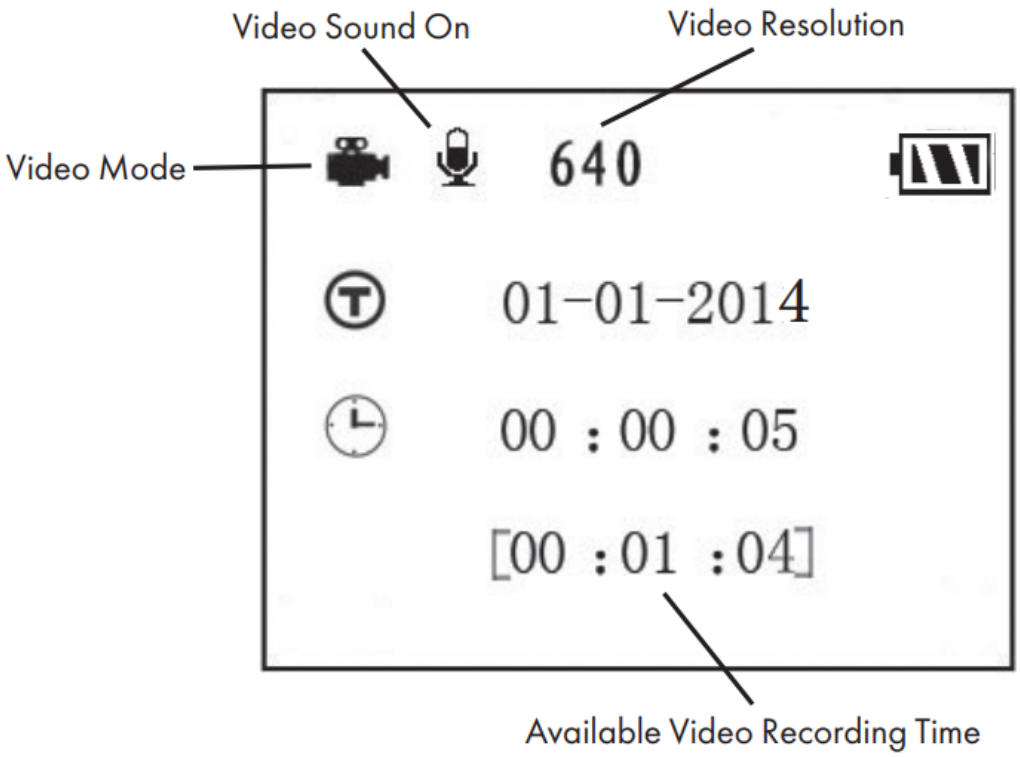
As mentioned earlier in “Parts & Controls”, four of the keys below the LCD have secondary, “shortcut” functions when the camera is switched to SETUP mode (but the MENU key has not been pressed):

- Press the UP key to quickly set the camera to shoot video clips.
- Press the DOWN key to quickly set the camera to take still photos.
- Press the RIGHT key to manually trigger the shutter. This is useful for testing the camera-make sure you are in SETUP mode, press the RIGHT key, and a few seconds later a photo or video (depending on how the camera was set) will be saved to the SD card (or internal memory if no card is inserted). The “number of images taken” counter on the bottom left of the LCD will increase by one. If the display indicates “SD PROTECTED” when you press the SHOT key, switch the camera OFF, remove the SD card and slide its protect switch off.
- Press the OK key to replay (review or playback) photos/videos on a connected TV monitor. See “Playing Back Photos/Videos” for more details.

Camera (Still Photo) Mode



Video Mode



Using the SETUP Menu to Change Settings

The main purpose of the SETUP mode is to allow you to change the settings of the camera's parameters (14 different ones are available) so your Trophy Cam operates exactly the way you want it to. You will do this by entering the SETUP Menu and pressing the keys below the LCD display, which will show you each parameter and its setting.

Changing Parameter Settings in SETUP Mode

A wide range of options or "parameters" are provided to allow you to set the Trophy Cam to your operational preferences. To change the setting of any parameter you must first switch to the SETUP mode. Once in SETUP mode, pressing the MENU button will allow you to select any parameter and change its setting. The name of the parameter and its current setting will be shown on the LCD. Pressing the RIGHT or LEFT key scrolls to the next or previous parameter (RIGHT key to move on to the next parameter and LEFT key to go back to the previous parameter), and pressing the UP or DOWN key lets you select a different setting for the currently displayed parameter. Once you have selected your preferred new setting for a parameter, press the OK button to save the new setting (actually change it). When have are finished changing the settings of one or more parameters, press MENU again to exit the SETUP menu. MENU can also be pressed anytime you want to cancel changing a parameter's setting after a new setting has been selected (but OK has not been pressed yet). After setting the parameters to your preferences, be sure to move the switch to ON to begin actually taking photos or videos. No images will be captured if the switch is left in the

SETUP position (unless you press the RIGHT/Shot key after exiting the menu)- in fact, the camera will power off automatically after a few seconds with no key pressed.

Parameter Display

The settings for a parameter are shown on the display as follows:

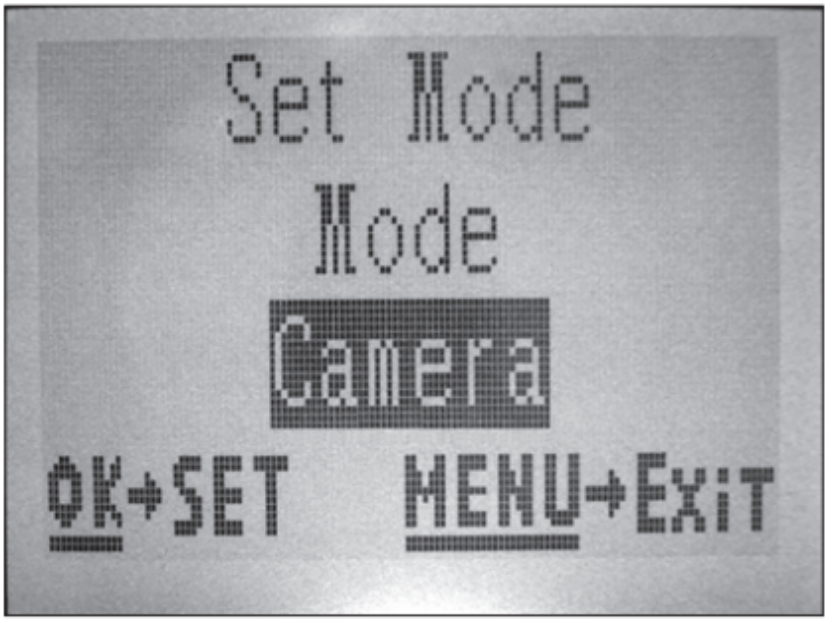
Only one setting is displayed at a time, starting with the current setting for the parameter when it is first selected (Fig. 4a). To change the setting, use the UP/DOWN keys to display the new setting you want (Fig. 4b), then press OK to “Execute” (make the actual change to this setting). If you want to confirm this setting is now the current one, just press the RIGHT key to scroll to the next parameter, then press LEFT to go back again to the previous one. You should see the parameter setting you just made.

Fig. 4: Selecting Parameter Settings

Press MENU

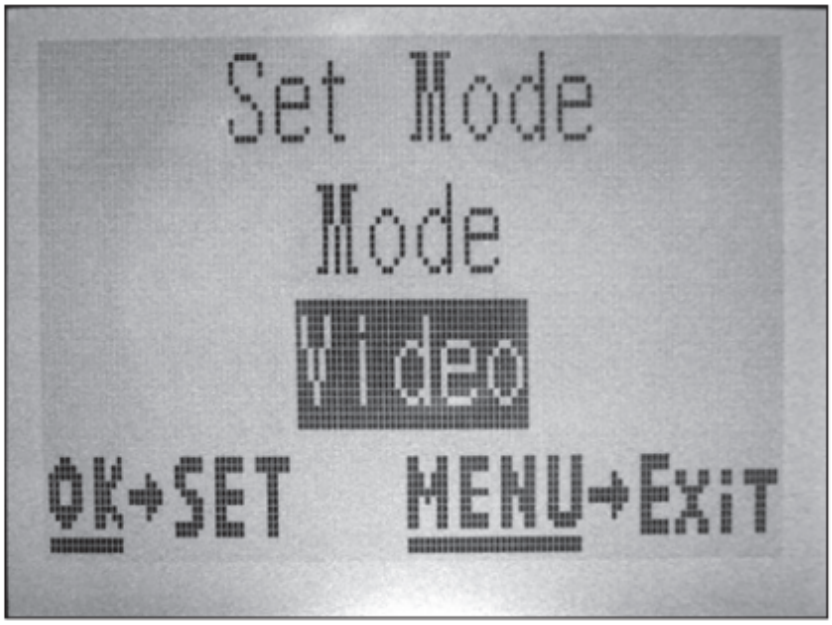
Press DOWN to select new setting for the highlighted parameter

(4a)



Press OK to confirm and execute the new setting

(4b)



EXAMPLES-Changing the Settings of Some Common Parameters

Following this page, you will find tables listing all of the parameters found in the SETUP Menu, along with their possible settings (or range of settings), and a detailed description of what the parameter controls and what the settings do. If you read the previous section detailing how to select parameters and change their settings, you should be able to dive right in, find the parameter(s) you want, and setup the camera to your preferences. But maybe you'd rather walk through an example or two first:

To change any parameter's setting, always start with the power switch in the SETUP position. After the LCD comes on, press the MENU key.

The first parameter you will see when you first enter the SETUP Menu is "Mode". To change it from its default setting of "Camera" (still photos) to "Video" (shoot video clips), press the DOWN key to select the "Video" setting. Press the OK key to "Execute" (Set) the new setting you've selected for this parameter.

Now press the RIGHT key to move to another parameter in the Menu. Pressing it four times will take you to "Video Length". Try using the UP and DOWN keys to scroll through the range of settings, then press OK to lock in your setting for the length of each video clip the camera shoots.

Pressing the RIGHT key several more times will get you to the "Default Set" parameter. Highlight or select "Execute" (using UP or DOWN) and press OK to restore all parameters (including the Mode and Video Length parameters you changed a minute ago) back to their original factory default settings. The default settings for each parameter are indicated in bold type in the SETUP Menu tables on the next several pages.

Be sure to set the current date and time, using the “Set Clock” parameter, if you choose to change the “Time Stamp” parameter setting to “On” since that will tell the camera to imprint the date and time on each of the images it captures.

Field Scan 2x with Live Trigger Feature

Field Scan is a revolutionary new feature for the Bushnell Trophy Cam, which allows you to monitor your food plots or field edges with time-lapse images or video. When set to “On”, the Trophy Cam will take a photo (or record a video clip) automatically at your choice of intervals (for example, once every five minutes) during one or two blocks of time you set up for each day, without requiring a trigger from an active animal. This has the advantage of giving you the ability to monitor the edge of a field that might be 50 or 150 yards away from the camera out of the PIR sensor’s range. The result is an effective range much greater than it would normally be, with the camera dependent on triggers generated by nearby animals. This is a great tool for hunters to scout an entire field with only one camera.

If an animal does enter the area covered by the PIR sensor and generate a trigger event during a time in between the Field Scan intervals you set, the camera will capture an image or video just as it normally would, based on your other menu settings. Here’s how to set up and use Field Scan (be sure you’ve set the current time in “Set Clock” first, so your Field Scan recording will stop and start at the correct times of day):

1. Move the main switch to SETUP, then press MENU.

2. Keep pressing the RIGHT key, stepping through the Setup Menu until you reach Field Scan.

3. Press the UP key to select On, and press OK (Step 1, pg.16). You will see "A", representing the first block of time you can define (a second block of time later in the day, "B" can also be setup if you wish). Press OK (Step 2). This takes you to the screen to set Start and Stop times, which determines the clock times when the first block of Field Scan recording will begin and end for each day. You can set these times to the exact hour and minute you want, for a recording “window” that lasts anywhere from just a minute to a full 24 hours.

4. Set the [Start] and [Stop] times, beginning with the Start hour, using the UP/DOWN keys to change the setting (Step 3). The hour setting is based on a 24-hour clock, with “00” hours = midnight, “12” hours = noon, “23” hrs = 11PM, etc. To move to the next setting, press the RIGHT key, change the minute for the Start time with UP/DOWN, then on to the hour and minute settings for the Stop time.

5. After you finish setting the Stop minutes, press OK to confirm your settings for the first block of Field Scan recording. If desired, you can create a second block

of time by pressing the DOWN key to select "B" (Step 4), then press OK and follow the same process to set Start and Stop times for Field Scan block "B" (Step 5). As an example of how you might use these two available time blocks, you could setup Field Scan time block "A" for the dawn hours from 6 AM to 8 AM, and block "B" to capture images between 5:30 and 7 PM. No Field Scan recording would occur from 8AM to 5:30PM, or from 7PM to 6AM.

6. After setting Start/Stop times to define Field Scan block "A" and/or "B", press OK, then press the UP or DOWN key to select "Interval" and press OK (Step 6). The Field Scan "Interval" setting lets you control how often a photo or video clip is recorded during the block(s) of time you defined with the Start and Stop settings. Your options are 60 minutes, 30 minutes, 15 minutes, 5 minutes (this is the default), or 1 minute (still photo mode only). Use the UP/DOWN keys to select your preference, then press OK to save it (Step 7). Note that for videos, "Interval" is independent of the Length of each video recording-it’s how often videos are recorded, not how long each one lasts.

7. Here’s an example of how the camera would operate, based on the following Field Scan settings:

Field Scan: On

Field Scan A:

[Start]: 6:00

[Stop]: 8:00

Field Scan B:

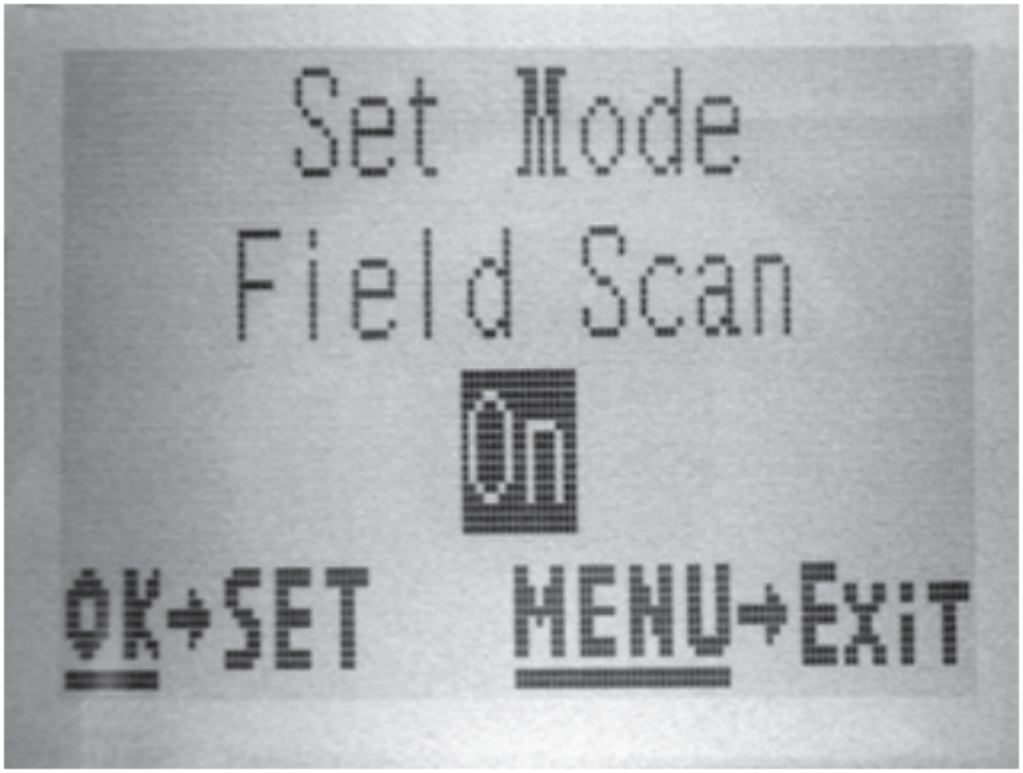
[Start]: 17:30

[Stop]: 19:00

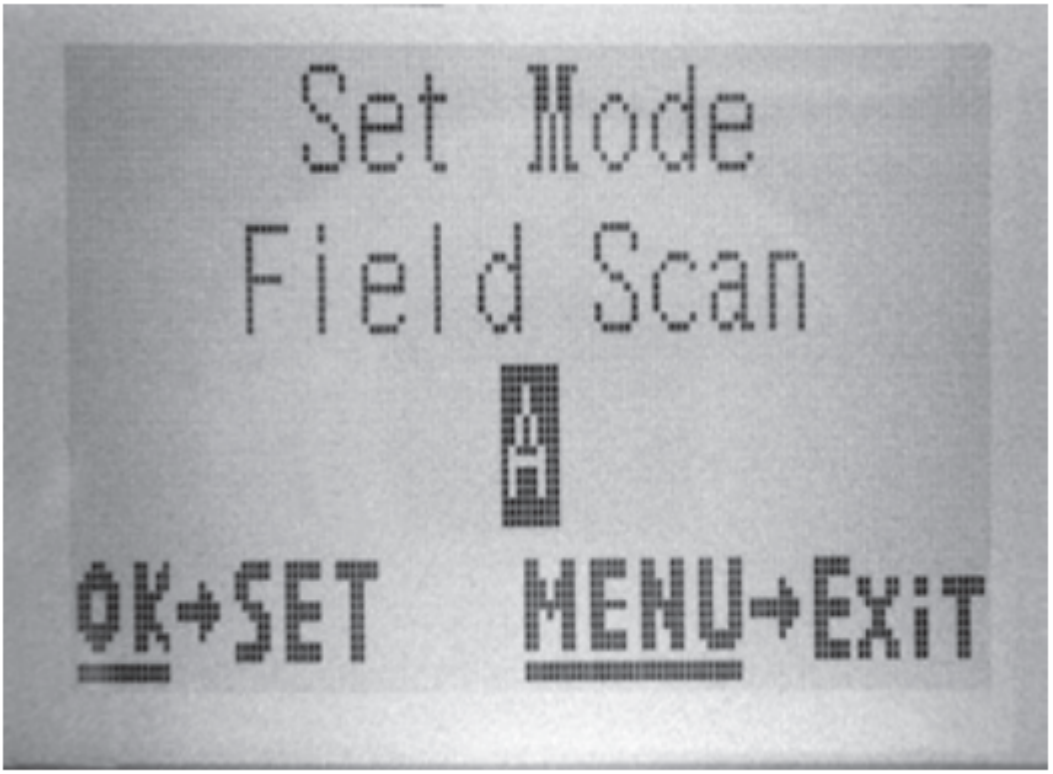
Interval: 15M

These settings would cause the camera to capture a photo (or video, if the camera is set to that mode) once every 15 minutes, beginning at 6 AM, until the Field Scan "A" recording block stops at 8:00 AM. Later that day, the camera would again take a photo or video every 15 minutes between 5:30 PM and 7:00 PM (during Field Scan time block "B"). The next day, the camera would again record an image or video once every 15 minutes between 6:00 and 8:00 AM, and between 5:30 and 7:00 PM. No Field Scan recording would occur from 8AM to 5:30PM, or from 7PM to 6AM. Remember, Field Scan recording is independent of normal triggers due to animal activity–even if no animals enter the IR sensor coverage zone, an image or video will still be captured every 15 minutes during the block(s) of time. If an animal triggers the camera “in between” the 15 minute intervals, it will be recorded, same as it would if you had setup the camera with Field Scan turned Off

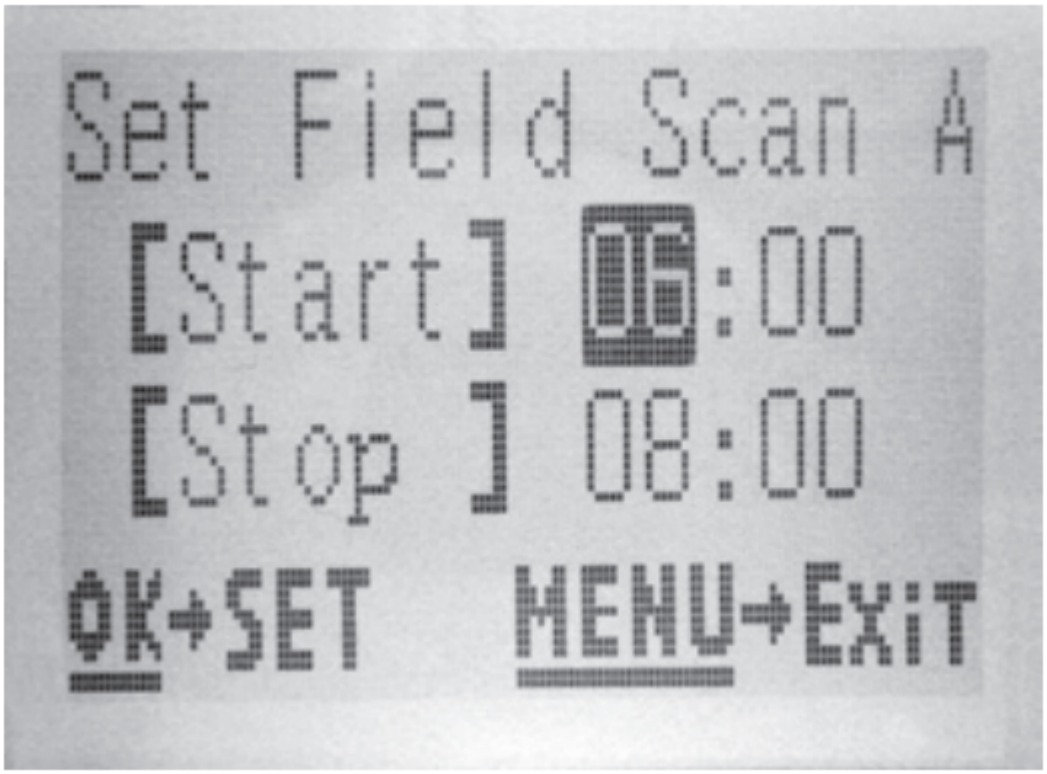
(Step 1)-set Field Scan Mode to “On”



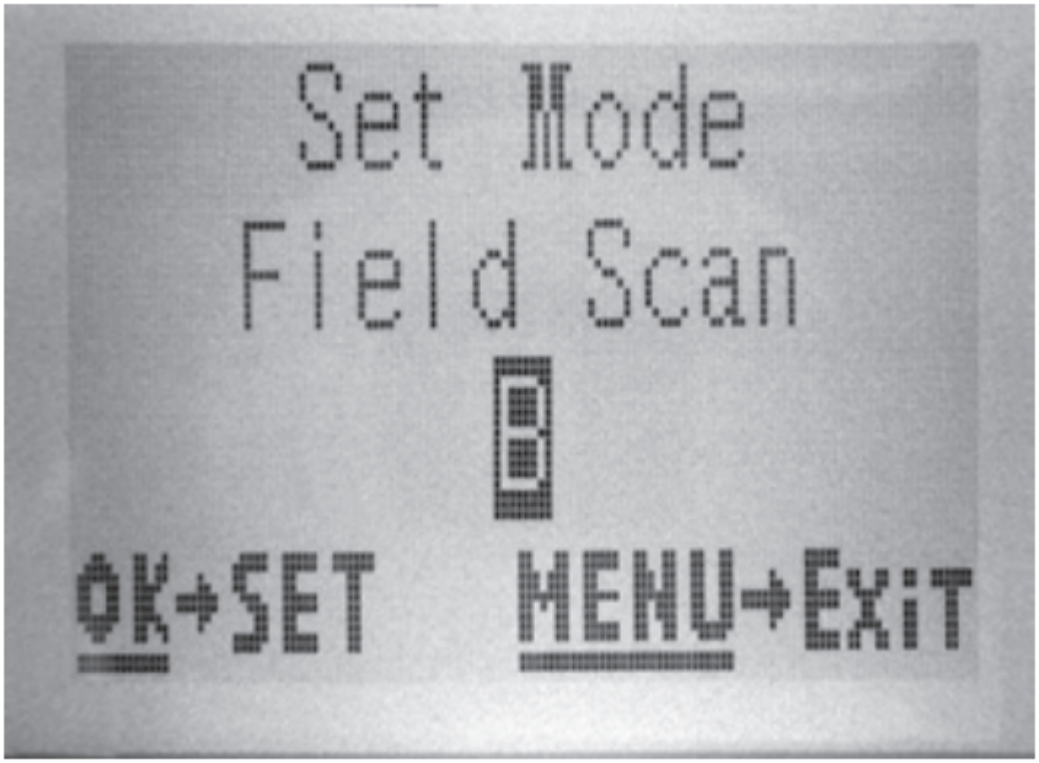
Step 2)-select Field Scan "A" (press OK)



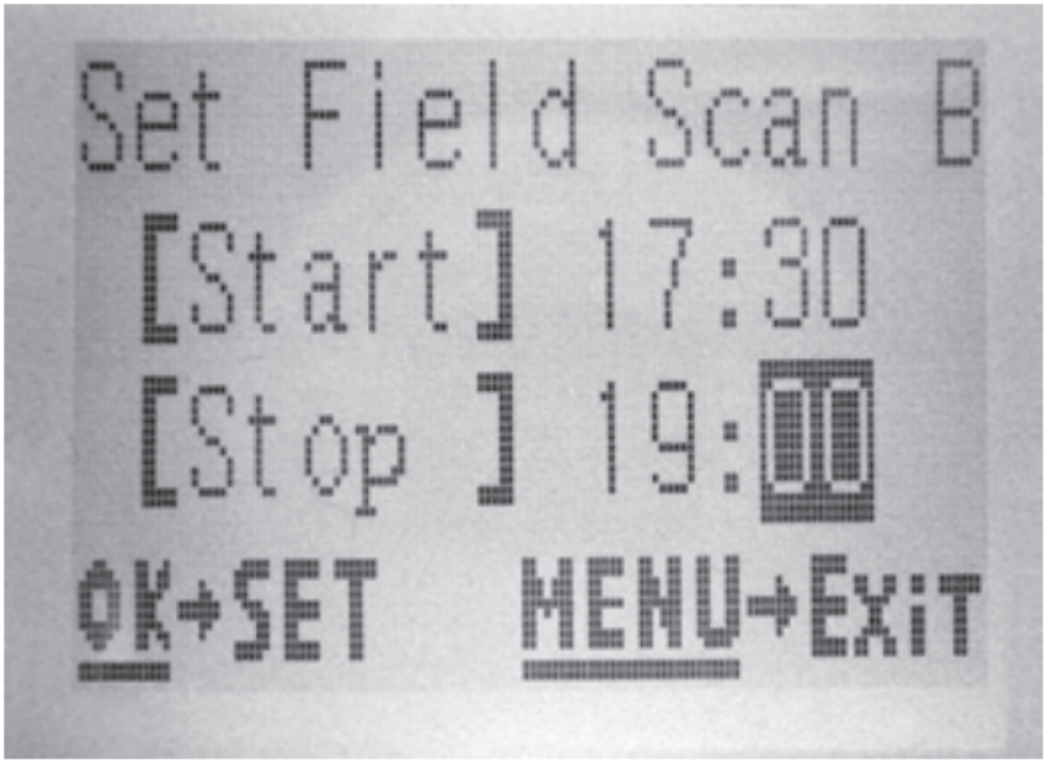
(Step 3)-set Field Scan "A" Stop & Start



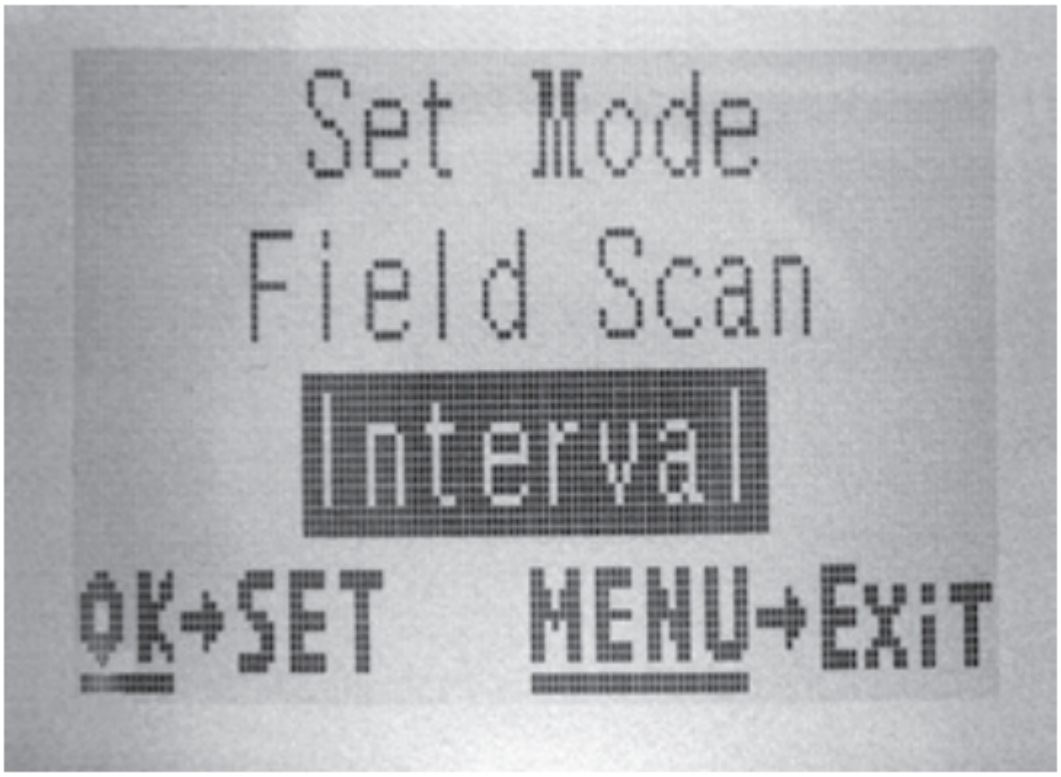
(Step 4) (opt)-select Field Scan "B" (press OK)



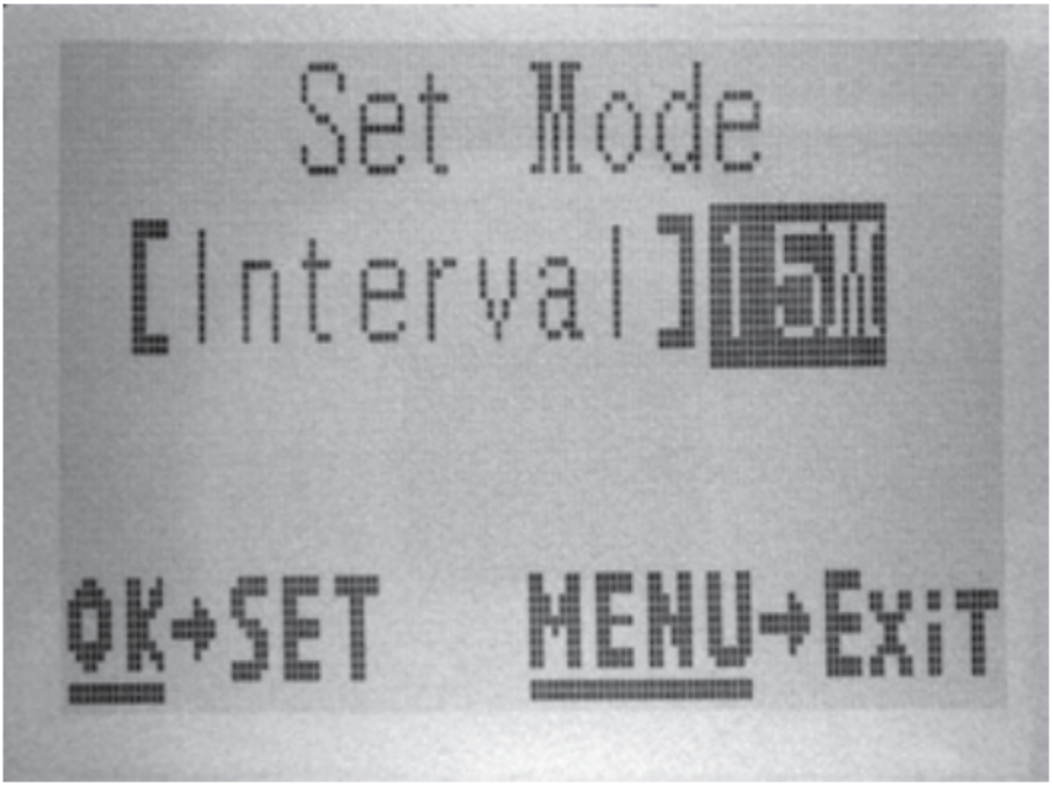
(Step 5) (opt)-set Field Scan "B" Stop & Start



(Step 6)-select Field Scan "Interval"



(Step 7)-set Field Scan Interval



The SETUP Menu – Parameters and Settings

Parameter	Settings (Bold=default)	Description
Mode	Camera or Video	Selects whether still photos or video clips are captured when the camera is triggered.
Image Size (only affects still photos)	5M Pixel, 6M Pixel, 3M Pixel	Selects resolution for still photos from 3 to 6 megapixels. Higher resolution produces better quality photos, but creates larger files that take up more of the SD card capacity (fills up faster). 5M is a good compromise between quality and file size
Capture Number (only affects still photos)	1 Photo, 2 Photo, 3 Photo	Selects how many photos are taken in sequence per trigger in Camera mode. Please also refer to the Interval parameter
Video Size (only affects video clips)	640x480, 720x480, 320x240	Selects video resolution (in pixels per frame). Higher resolution produces better quality videos, but creates larger files that take up more of the SD card capacity (fills up faster). 640x480 is VGA video in standard 4:3 format, 720x480 is widescreen format.
Video Length (only affects video clips)	10S (second) default, with 60S to 1S possible range	Sets length per captured video clip. Settings begin with 10-second default when parameter is first selected. After stepping down to 1S, video length settings start over at 60S.

Interval	10S (second) default, with a 60M (minute) to 1S (second) range of settings available. (60M-1M are set in one-minute increments, 59S-1S are set in one-second increments)	Selects the length of time that the camera will “wait” until it responds to any additional triggers from the PIR after an animal is first detected and remains within the sensor’s range. During this user-set “ignore triggers” interval, the camera will not capture photos/videos. This prevents the card from filling up with too many redundant images. Settings begin with 10-second default when parameter is first selected. Note: after setting down past “1S”, settings start over at “60M”
Sensor Level	Low, Normal, High, Auto	Selects the sensitivity of the PIR sensor. The “High” setting will make the camera more sensitive to infrared (heat) and more easily triggered by motion, and the “Low” setting makes it less sensitive to heat and motion. The High setting can be useful when the ambient temperature is warm (making it more difficult for the sensor to detect animals), and the Low setting may help in cold weather if the camera is being triggered too often by anything warmer than the surroundings. “Normal” is for average or moderate conditions. The default “Auto” setting will allow the camera to determine the best setting based on its current operating temperature. This is an ideal setting if the weather is expected to change significantly during the period the camera will be used.
Format	Execute	Deletes (erases) all files stored on a card to prepare it for reuse. Always format a card that has been previously used in other devices. Caution! Make sure you have downloaded and backed up any files you want to preserve first! Press OK to execute, press MENU (or select NO then press OK) to exit without formatting.
TV Out	NTSC, PAL	Selects video standard /format for the “TV Out” output jack. The video standard is NTSC for the

		United States, Canada, Mexico, Asia and South America. PAL is used primarily in Europe.
Time Stamp (only affects still photos)	Off, On	Select “On” if you want the date & time (that the photo was captured) imprinted on every photo, select “Off” for no imprint
Set Clock	Set	Press OK and use the UP/DOWN keys (to change the setting) and LEFT/RIGHT keys (to move to the next field) to set the hour (24-hr format only, “00”=midnight, “12”=noon) and minute, and then (on the lower row), the year, month and date.
Field Scan	On, Off (After On is selected): “A” Start/Stop, “B” Start/Stop, Interval	Turns Field Scan (Time Lapse) recording mode on/off. When activated, Field Scan forces the camera to take photos or videos even when it is not triggered by a nearby live animal, useful for constant monitoring of an area that might be far away from the camera. The user can set the start and stop times for up to two independent “blocks” of Field Scan recording, as well as the interval time between each photo/video. To ensure correct operation, avoid setting overlapping start/stop times for Field Scan A and B. Please read the “Field Scan 2x…” section of this manual for details on using this feature.
Video Sound (only affects video clips)	On, Off	Select “On” to record audio along with the video when the camera is set to video mode (saved file sizes will be slightly larger).
Default Set	Cancel, Execute	Select “Execute” and press OK to restore all parameters to the original factory default settings. If the camera is behaving oddly and you think you may have changed the setting for something accidentally (but aren’t sure which one), this will reset all parameters to their most commonly used or “generic” settings.

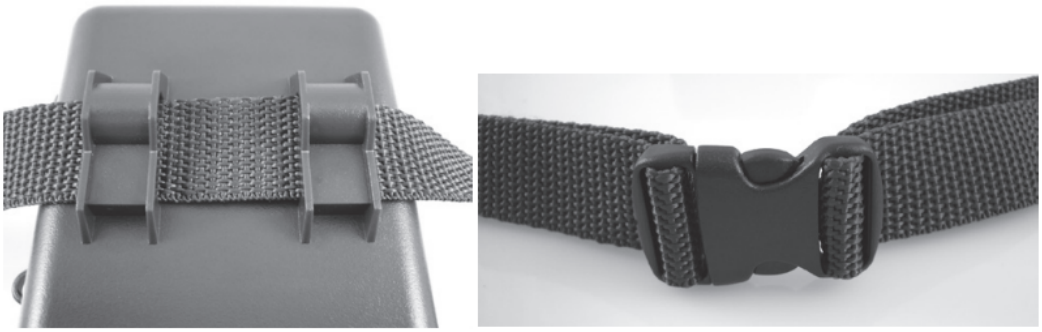
MOUNTING AND POSITIONING THE TROPHY CAM

Mounting

After you've set up the camera's parameters to your personal preferences at home or in your truck, you're ready to take it outside and slide the power switch to "ON". When setting up the Trophy Cam for scouting game or other outdoor applications, you must be sure to mount it in place correctly and securely. We recommend mounting the Trophy Cam on a sturdy tree with a diameter of about 6 in. (15cm). To get the optimal picture quality, the tree should be about 16-17 ft. (5 meters) away from the place to be monitored, with the camera placed at a height of 5-6.5 ft. (1.5~2 m). Also, keep in mind that you will get the best results at night when the subject is within the ideal flash range, no farther than 45' (14m) and no closer than 10' (3m) from the camera.

There are two ways to mount the Trophy Cam: using the provided adjustable web belt, or the tripod socket.

Using the adjustable web belt: Fig. 5 illustrates using the web belt on the Trophy Cam. Push one end of the belt through the two brackets on the back of the Trophy Cam. Thread one plastic buckle part onto each end of the belt. Fasten the belt securely around the tree trunk by clicking the buckle ends together after tightening the belt so there is no slack left.



Using the tripod socket: The camera is equipped with a socket at the bottom end to enable mounting on a tripod or other mounting accessories with a standard 1/4-20 thread.

Two optional mounting accessories, a "Bear Safe" metal camera box (model # 119653C) and Deluxe Tree Bracket (model# 119652C) are also available-please see your Bushnell dealer or website for more details.

Sensing Angle and Distance Test

To test whether the Trophy Cam can effectively monitor the area you choose, this test is recommended to check the sensing angle and monitoring distance of the Trophy Cam. To perform the test:

• Switch the Trophy Cam to the SETUP mode.

• Make movements in front of the camera at several positions within the area where you expect the game or subjects to be. Try different distances and angles from the camera.

• If the motion indicator LED light blinks, it indicates that position can be sensed. If it does not blink, that position is outside of the sensing area.

The results of your testing will help you find the best placement when mounting and aiming the Trophy Cam. The height away from the ground for placing the device should vary with the animal size appropriately. In general, 3 to 6 feet is preferred.

You can avoid potential false triggers due to temperature and motion disturbances in front of the camera by not aiming it at a heat source or nearby tree branches or brush (especially on windy days).

Switching ON the Camera

Once you switch to the ON mode, the motion indicator LED (red) will blink for about 10 seconds. This gives you time to close and lock the front cover of the Trophy Cam and then walk away. During this time, the motion indicator LED will blink red continuously. After it stops blinking, the PIR is active, and any motion that is detected by it will trigger the capture of photos or videos as programmed in the SETUP Menu. Be sure you have read the descriptions of the Capture Number, Video Length, Interval and Sensor Level parameters. Please note, the PIR is strongly sensitive to ambient temperature. The greater the temperature difference between the environment and your subject, the farther the possible sensing distance. The average sensing distance is about 45 ft.

Before leaving the camera unattended, please check for the following:

• Are the batteries or DC power supply inserted/connected with correct polarity and is the power level is sufficient?

• Does the SD card have sufficient available space and is its write-protection (lock) switch off? • Is the Power switch in the ON position? (do not leave it in SETUP).

TROUBLESHOOTING / FAQ

Camera takes continuous images of no subject

A camera has what is known as a “false trigger” if the PIR sensor thinks that there is motion and heat in front of the camera lens when there is no subject in the image. These “False Triggers” are the result of placing the camera in an environment where there is motion associated with tree branches creating motion in front of the camera or an area where there is high heat in the foreground and any motion from wind could set

off the camera. Setting a camera up over water is also a potential cause for this issue. To remedy this situation:

1. Try moving the camera to an area that does not have any of these issues or try changing the sensor level on the menu settings.

2. If the camera continues to take images when there is no subject in them, try placing the camera in an inside environment and aiming at a location where there is no motion.

3. If the camera continues to show issues, then there is probably an electronic component issue. If this is the case, please contact our customer service to send the camera back for repair.

Battery life is shorter than expected

1. Battery life will vary with operating temperature and the number of images taken over time. Typically, the Trophy Cam will be able to capture several thousand images before the batteries die.

2. Check to make sure you have used new alkaline or lithium batteries. Bushnell recommends using 8 Energizer® Lithium AA batteries in all Trophy Cams to obtain maximum battery life.

3. Make sure that the power switch was turned to the “On” position and that the camera was not left in “Setup” mode while in the field.

4. Make sure that you are using a good quality name-brand SD card in your camera. Bushnell recommends SanDisk® brand SD Cards up to 32GB. Our experience indicates that poor-quality SD cards can sometimes reduce your Trophy 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 or lithium AA batteries. See note above about short battery life.

3. Make sure that the camera power switch is in the “On” position and not in the “Off” or “Setup” modes.

4. Make sure that you are using a good quality SD card in your camera. Bushnell recommends SanDisk® SD Cards up to 32GB.

5. If the SD card has its write protect switch in the lock position, the camera will not take images.

6. If you have used an SD card in another device before inserting it in your Trophy Cam, you might want to try formatting the card using the “Format” parameter in Setup mode (make sure you have backed up any important files first, as formatting will erase all previous files). In some cases, other devices may change the formatting of the SD card so that it will not work properly with the Trophy Cam.

Camera won’t power up

1. Make sure that you have installed at least 4 batteries (the required minimum #) in the battery compartment, starting at the top, filling battery spaces 1-4 with no “gaps”. Bushnell recommends using 8 Energizer® Lithium AA batteries in all Trophy Cams.

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.

3. After moving the switch from “Off” to “Setup” or “On”, make sure that the switch is correctly in position to ensure the proper mode (avoid positions “between” two modes).

4. Do not move the switch directly from “On” to “Setup”-always move the switch all the way down to “Off” first, then back up to “Setup”.

Still Photo and/or Video Quality Problems

1. Night photos or videos appear too dark

    a. Check the battery indicator icon to see if battery power is full. 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 45’ (14m) from the camera. Subjects may appear too dark at greater distances.

    c. Please note that when the Capture Number parameter is set higher than “1 Photo”, or with very short Interval settings, some images may appear darker than others due to the quick response and rapid retriggering of the camera, allowing less time for the flash to fully recharge before firing again.

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 or videos 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 5MP or 6MP resolution settings may not perform as well as the 3MP setting.

b. If you have multiple images where fast-moving subjects produce streaks on the photo, try the 3MP 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 Bushnell 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.

Date/Time Stamp not appearing on images

Make sure that the “Time Stamp” parameter is set to “On”.

Photos Do Not Capture Subject of Interest

1. Check the “Sensor Level” (PIR sensitivity) parameter setting. For warm environmental conditions, set the Sensor Level to “High” and for cold weather use, set the sensor for “Low”.

2. Try to set your camera up in an area where there is not a heat source in the camera’s line of sight.

3. 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.

4. Try to avoid setting the camera up on small trees that are prone to being moved by strong winds. 5. 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, a special 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.

LCD Screen Issues

1. LCD screen powers on but no text is present.

    a. After moving the switch from “Off” to “Setup” or “On”, make sure that the switch is correctly in position to ensure the proper mode (avoid positions “between” two modes).

    b. Do not move the switch directly from “On” to “Setup”-always move the switch all the way down to “Off” first, then back up to “Setup”.

2. LCD screen shows a faint black line after turning from “Setup” to “On”.

    a. The LCD will turn off when you slide the switch to the “On” position. In some cases, this black line will appear and then fade in about 1 second. This is normal and the camera will function properly.

3. Screen comes on but then powers off

    a. Make sure that you have installed the SD card correctly.

Camera won’t retain settings

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.

Moisture or Ants Inside Camera

1. To ensure humidity or rain is kept out of the camera, secure the DC In plug firmly in place.

2. Ants can be attracted by low-level electronic vibrations, and enter through any gaps between the exterior and interior of the camera. Make sure the DC-In plug is securely attached.

Field Scan (Time Lapse) not working properly

1. Make sure that the stop and start times of Field Scan "A" and "B" do not overlap (for example, do not set the start time of "B" to 8 AM if the stop time of "A" is 10 AM).

2. When using Field Scan in video mode, the smallest interval time available is 5 min, to avoid potential overheating of the batteries and electronic components, which could cause operational failure or damage to the camera. In still photo mode, a 1 min. Interval can be set.

TECHNICAL SPECIFICATIONS

Image Sensor	5 Megapixel Color CMOS
Maximum Pixel Size	2848x2136 (6 MP)
Lens	F = 3.1; FOV=50°; Auto IR-Cut-Remove (at night)
IR-Flash Range	36'-45' (12m-15m)
Display Screen	Std B&W Display: 24x32mm(1.5")
Memory Card	SD or SDHC Card, Maximum capacity 32GB
Internal RAM	32MB
Picture Size	6MP = 2848x2136; 5MP = 2592x1944; 3MP = 2048x1536
Video Size	720x480/30 fps, 640x480/30fps, 320x240/30fps
PIR sensitivity	PIR with 3 sensitivity levels: High/Normal/Low
Operation	Day/Night
Response Time	0.8 sec
Triggering Interval	1sec. - 60min. programmable
Shooting Numbers	1 – 3 programmable
Video Length	5-60sec. programmable
Power Supply	8xAA recommended, 4xAA as emergency power
Stand-by Current	< 0.3mA(<7mAh/day)
Power Consumption	200mA (+530mA when IR-LED lighted)
User Interface	LCD display
Interface	TV out (NTSC/PAL); USB; SD card holder; 6V DC external
Security	Strap; ¼-20 attachment
Operating Temperature	-20 - 60°C (Storage temperature: -30 - 70°C)
Operating Humidity	5% - 90%
Security authentication	FCC/CE/RoHs/WEEE

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.
