IMPORTANT NOTE

Congratulations on your purchase of one of the best trail cameras on the market! Bushnell is very proud of this camera 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 Bushnell Trophy 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 31-35. 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 Bushnell Customer Service at (800) 423-3537. In Canada, call (800) 361-5702.

Bushnell recommends using a full set of Energizer® Lithium AA batteries (8 or 12, depending on the model) in these Trophy Cam models to obtain maximum battery life

Do not mix old and new batteries
Do not mix battery types—use ALL lithium or ALL alkaline

Bushnell recommends using SanDisk® SD and SDHC Cards (up to 32GB capacity, Ultra® or Extreme® series for HD video) in these Trophy Cam models
INTRODUCTION

About the Trophy Cam

The Bushnell Trophy Cam is a digital scouting camera. It can be triggered by any movement of game in a location, detected by a highly sensitive Passive Infra-Red (PIR) motion sensor, and then take high quality pictures (up to 8MP still photos), or video clips.

The Trophy Cam consumes very little power (less than 0.2 mA) in a stand-by (surveillance) state. This means it can deliver up to six months stand-by operation time when the device is powered by the full capacity of AA alkaline batteries, and up to twelve months utilizing lithium AA batteries. Once motion in the monitored area is detected, the digital camera unit will be triggered at once (typically within one second) and then automatically take photos or videos according to previously programmed settings. The Trophy Cam is equipped with built-in infrared LEDs (“black” IR LEDs on models 119576C/119577C) that function as a flash, so that it delivers clear photos or videos (in black & white) even in the dark, and it can take color photos or videos under sufficient daylight. The Trophy Cam is designed for outdoor use and is resistant against water and snow.

Your trail camera is one of the latest generation of Bushnell Trophy Cams, and includes many new or improved features, including:

• Auto PIR Sensitivity—the camera monitors ambient temperature conditions and automatically adjusts the sensor/trigger signal to be more sensitive to slight variations in temperature on hot days, less sensitive on cold days.

• Hyper NightVision—The IR LED Flash array now has increased range, brighter output and better coverage for improved nighttime images.

• Field Scan 2x with Live Trigger—The “time lapse” feature added in last year’s models has been enhanced with the addition of the option for a second block of recording with its own start/stop times. Trigger signals generated by nearby wildlife activity will still generate additional photos/videos as they normally would, independently of the Field Scan operation.

• GPS Geotag Capability—allows the user to input the longitude and latitude of the camera’s position, which will be embedded in each photo file. This enables Google Earth, Picassa and other geotag
enabled software to automatically show a map pinpointing each camera’s location when a group of photos are reviewed on a computer. Especially useful for those who setup multiple Trophy Cams to monitor large or widely separated areas.

- Multi Flash Mode (LED Control)- prevents overexposed flash photos in close range applications
- Hybrid Capture Mode-allows both still photos and videos to be captured at each trigger, up to highest resolution settings for each.
- NV Shutter-user can select shutter speed for images captured at night allowing control over brightness vs. ability to stop motion
- Camera Operating Mode can be limited to Day only, Night only, or 24 HRs

And many more features such as HD Video with Audio, widescreen or fullscreen format still photos, imprintable camera name (user set) along with current data including temperature, moon phase and barometric pressure* (*imprinted barometer data only available on black LED models).

Applications

The Trophy Cam can be used as a trail camera for hunting or scouting game. It is also suitable for surveillance usage.

PARTS AND CONTROLS

The Trophy Cam provides the following connections for external devices: USB port, SD card slot, A/V Out, and external DC power in (pg 5, Fig. 1).

A 3-way power switch is used to select the main operating modes: OFF, SETUP, and ON (pg 5, Fig. 2).

A control key interface with six keys is primarily used in SETUP mode to select operational functions and parameters. As shown on the next page, 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 below.

**Fig. 1: Connections**
- USB Port
- SD Card Slot
- DC In
- Tripod Socket
- A/V Out
- Video Mic

**Fig. 2: Button and Switch Guide**
- LCD Screen
- ON SETUP OFF
- Power/Mode Switch
- Cable to Battery Compartment
- UP/Video
- DOWN/Photo
- LEFT
- MENU
- OK/Replay
- RIGHT/Shot

Front View:
- Light Sensor
- LED IR Flash
- Motion/ Low Battery Indicator
- Lens
- Lock Hole
- PIR Sensor
- Latch

Inside View:
- Cable to Battery Compartment
- UP/Video
- DOWN/Photo
- LEFT
- MENU
- OK/Replay
- RIGHT/Shot
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 or twelve battery slots, depending on your model. For maximum battery life, you should install a full set of batteries. The Trophy Cam may also be operated by just four batteries installed in the first slots only (starting on the top or left—see photos). Battery life will be shorter with 4 batteries, but the camera will operate normally. Whether you use 4 or a full set, be sure to insert each battery with correct polarity (negative or “flat” end against the long spring of each battery slot).

Bushnell recommends using a full set of new lithium AA (Energizer® brand) or alkaline AA batteries. NiMh Rechargeable batteries are not recommended, as the lower voltage they produce can cause operational issues. 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 1550mA. 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 Cam** has 32MB of 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 for all models. 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. High speed SD cards are recommended if you will use the 1280x720 video resolution setting (HD). 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 below). 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” 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.

**WARNING:** 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

The Trophy Cam has three basic operational modes:
- **OFF mode:** Power switch in the OFF position.
- **ON mode:** Power switch in the ON position (LCD screen is off.)
- **SETUP mode:** Power switch at SETUP position (LCD screen is on).

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. 6, “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 *(Fig. 3, next page)*.

**NOTE:** Always move the power switch from OFF to SETUP mode. It is possible that the camera could lockup if it is switched from ON to SETUP mode. If this occurs, simply move the switch to OFF and then push it up to SETUP again.

**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 the LCD *(119577C color viewer model only)*, or a connected TV monitor *(std. display models)*. See “Playing Back/Deleting the Photos/Videos” *(pg. 27)* for more details.
Fig. 3: SETUP Information Screen (standard display model shown)

Camera (Still Photo) Mode

- Image Size (Resolution): 5M
- SD Card Status
- Battery Level
- Still Photo Mode
- Time Stamp: 01-01-2012
- Field Scan On: 00:00:05
- # of Photos Taken
- Remaining Photo Capacity
- Date:Month-Day-Year: 01-01-2012
- Time: Hour:Minute:Second: 00:00:05
- [0000/0022]

Video Mode

- Video Sound On
- Video Resolution: 640
- Video Mode
- Time Stamp: 01-01-2012
- Field Scan On: 00:00:05
- Available Video Recording Time
- [00:01:04]
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 (18 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 you 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.

Color Viewer vs. Standard Display Models

There is a slight difference in how the settings for a parameter are shown between the two different types of Trophy Cam models:

- On the color LCD display model (119577C), all the available settings for the currently displayed parameter are shown on one screen, with a checkmark next to the current setting (Fig. 4a). To change the setting, first use the UP/DOWN keys to highlight (select) the new setting you want (Fig. 4b), then press OK to “Execute” the actual change to the selected
setting. The checkmark will appear next to your new setting to confirm this (Fig. 4c).

- On models with standard (non-color) display, only one setting is displayed at a time, starting with the current setting for the parameter when it is first selected (Fig. 4d). To change the setting, use the UP/DOWN keys to display the new setting you want (Fig. 4e), 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**

**COLOR VIEWER**  
*(119577C only)*

![Control Panel](image)

**STANDARD DISPLAY**

![Display Panel](image)

Press **MENU**

Press **DOWN**

Press **OK**
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 suit 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 highlight “Video” (119577C only) or to select the “Video” setting (std. display models). 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 three times will take you to “Capture Number”. Try using the UP and DOWN keys to scroll through the range of settings, then press OK to lock in your setting for the number of photos the camera takes each time it’s triggered.

Pressing the RIGHT key until you reach the last menu item, you’ll see 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 dependant 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 setup 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

Note: avoid any "overlap" of Field Scan A & B recording blocks when setting their start and stop times, to assure correct operation. Also-if the "Camera Mode" menu parameter is set to "Day" or "Night" operation only, that will take priority over your Field Scan settings. Set the Camera Model to "24 HR" if you are setting both day and night start and/or stop times in Field Scan.

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. **Note:** Field Scan settings of frequent intervals and/or long periods between start and stop time can reduce battery life.

**(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

**Steps 4 & 5 are optional** (only required if you want to set up a second block of Field Scan recording with different stop and start times)
### The SETUP Menu – Parameters and Settings List w/ Descriptions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Settings (Bold=default)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mode</strong></td>
<td>Camera, Video, Hybrid</td>
<td>Selects whether still photos or video clips are captured when the camera is triggered. Hybrid mode combines both Camera and Video, so a still photo and a video clip are both captured for each trigger.</td>
</tr>
<tr>
<td><strong>Image Size</strong> <em>(only affects still photos in Camera or Hybrid modes)</em></td>
<td>3M Pixel, 5M Pixel, 8M Pixel,</td>
<td>Selects resolution for still photos from 3 to 8 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.</td>
</tr>
<tr>
<td><strong>Image Format</strong> <em>(only affects still photos - format for video is tied to Video Size)</em></td>
<td>Full Screen, Wide Screen</td>
<td>Selects 4:3 (Fullscreen, like old TV sets) or 16:9 (Widescreen, like new flat TVs) “aspect ratio” for still photos. If you like to view your photos on a TV set or computer monitor, you can set the format to match it.</td>
</tr>
<tr>
<td><strong>Capture Number</strong> <em>(only affects still photos in Camera or Hybrid modes)</em></td>
<td>1 Photo, 2 Photo, 3 Photo</td>
<td>Selects how many photos are taken in sequence per trigger in Camera mode. This setting affects photos taken in Field Scan mode as well (to snap two photos every 10 minutes, for example). <em>Please also refer to the Interval parameter.</em></td>
</tr>
<tr>
<td>Parameter</td>
<td>Settings (Bold=default)</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LED Control (Multi-Flash feature)</td>
<td>Low, Medium, High</td>
<td>Controls how many LED lamps fire when images are taken in low light. “High”=all 32 LEDs fire, which is the default setting. Set to Medium or Low if you are getting overexposed flash photos or will place the camera at very close range to the subject you want to photograph. In general, select High if most of your intended subjects will be over 30 ft. from the camera, Medium for the 15 to 30 ft. range, and Low for subjects under 15 ft. away. Note: in video mode, 24 LEDs fire in both High &amp; Medium (default) settings. Set to Low if videos are overexposed.</td>
</tr>
<tr>
<td>Camera Name</td>
<td>(Input)</td>
<td>Allows the user to set a custom name for the camera. Useful for ID purposes when multiple cameras are setup, since each camera will imprint its name on all photos (but not videos) it captures.</td>
</tr>
<tr>
<td>Video Size (only affects video clips in Video or Hybrid modes)</td>
<td>1280x720, 640x480, 320x240</td>
<td>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). The default 640x480 is VGA video in standard 4:3 format. The 1280x720 setting provides “widescreen” format HD video. Using high speed SD cards (SanDisk® Ultra® or Extreme® series or similar) is recommended if you will use the 1280x720 video setting.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Settings (Bold=default)</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>---------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Video Length</strong></td>
<td>10S (second) default, with 60S to 5S possible range</td>
<td>Sets length per captured video clip. Settings begin with 10 second default when parameter is first selected. After stepping down to 5S, video length settings start over at 60S.</td>
</tr>
<tr>
<td><strong>Interval</strong></td>
<td>10S (second) default, with a 60M (minute) to 1S (second) range of settings available.</td>
<td>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. <strong>Note:</strong> <em>after setting down past “1S”, settings start over at “60M”.</em></td>
</tr>
<tr>
<td>Parameter</td>
<td>Settings (Bold=default)</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Sensor Level</td>
<td>Low, Normal, High, Auto</td>
<td>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.</td>
</tr>
<tr>
<td>NV (Night Vision) Shutter</td>
<td>High, Medium, Low</td>
<td>Affects the shutter speed during Night Vision operation. High will freeze motion better, but photos may be darker. A Low shutter speed setting will produce brighter photos, but rapid motion may be blurred. Medium is a good compromise.</td>
</tr>
<tr>
<td>Camera Mode</td>
<td>24 Hrs, Day, Night</td>
<td>Allows user to limit operation to only day or night period if desired. An ambient light level sensor determines &quot;Day&quot; vs &quot;Night&quot; automatically. This setting takes priority over any Field Scan settings.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Settings (Bold=default)</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Format</td>
<td>Execute (followed by an additional No/Yes step)</td>
<td>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 (then select Yes and press OK again on color viewer models), press MENU (or select NO then press OK) to exit without formatting.</td>
</tr>
<tr>
<td>TV Out</td>
<td>NTSC, PAL</td>
<td>Selects video standard /format for the “A/V Out” output jack. The video standard is NTSC for the United States, Canada, Mexico, Asia and South America. PAL is used primarily in Europe.</td>
</tr>
<tr>
<td>Time Stamp</td>
<td>Off, On</td>
<td>Select “On” if you want the date &amp; time (that the image was captured) imprinted on every photo/video, select “Off” for no imprint. Note: the current temperature, moon phase, and (user set) camera name will also be imprinted on your still photos. Models 119576C/119577C imprint the barometric pressure as well (on still photos only).</td>
</tr>
<tr>
<td>Set Clock</td>
<td>(Set)</td>
<td>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.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Settings (Bold=default)</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Field Scan</strong></td>
<td>On, Off (After On is selected): “A” Start/Stop, “B” Start/Stop, Interval</td>
<td>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 (pgs 14-16) for details on using this feature. <strong>NOTE:</strong> If the &quot;Camera Mode&quot; parameter is set to &quot;Day&quot; or &quot;Night&quot; operation only, that will take priority over your Field Scan settings. Set Camera Mode to &quot;24HR&quot; if you are setting day and night Field Scan start and/or stop times.</td>
</tr>
<tr>
<td><strong>Coordinate Input</strong></td>
<td>Off, On See &quot;Using the Setup Menu Input Screens&quot;</td>
<td>Allows the user to input latitude and longitude coordinates for the camera’s location. This data will be embedded in the files saved on the camera’s SD card (if “On” is selected). This makes it possible to see each camera’s location as a “pushpin” on Google Earth maps when reviewing a folder full of photos from multiple cameras, or use other “geotag” capable software (Picassa, etc).</td>
</tr>
<tr>
<td>Parameter</td>
<td>Settings (Bold=default)</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Video Sound</td>
<td>On, Off</td>
<td>Select “On” to record audio along with the video when the camera is set to video mode (saved file sizes will be slightly larger).</td>
</tr>
<tr>
<td>Default Set</td>
<td>Cancel, Execute</td>
<td>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 accidently (but aren’t sure which one), this will reset all parameters to their most commonly used or “generic” settings.</td>
</tr>
</tbody>
</table>
**USING THE SETUP MENU INPUT SCREENS**

**Camera Name Input**

After selecting the Camera Name parameter (the only setting is "Input"), press **OK**. If necessary, delete the previous or default name by pressing the **RIGHT** key until the backspace symbol (located between letters "A" & "B", also between "j" & "k") is highlighted, then keep pressing **OK**. Select (highlight) each alphanumeric character you want, using the **LEFT/RIGHT** keys, and pressing **OK** after each one to set it. When finished naming the camera, press **MENU** to save the name to memory.

**Coordinate Input**

After selecting the Coordinate Input parameter, press **UP** or **DOWN** to select the On setting and press **OK**. The latitude and longitude for any location where you plan to place the camera can be obtained at many websites, for example: [http://itouchmap.com/latlong.html](http://itouchmap.com/latlong.html). You can enter a nearby street address, just zip code, or use the various types of maps to locate the approximate position. The format you will need to use to enter the coordinates in the Trophy Cam menu screen is shown below:

\[
\begin{align*}
\text{Longitude} & \quad (Lo) \quad W000,00'00" \\
\text{Latitude} & \quad (La) \quad N000,00'00"
\end{align*}
\]

Note: You may see "negative" latitude or longitude coordinates online. These designate South latitudes and West longitudes. US/Canada locations will have North (+) latitude coordinates and West (-) longitude coordinates.
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.

Fig. 5: Attaching the Belt
Two optional mounting accessories, a “Bear Safe” metal camera box (Model# 119654C for 119576C/119577C, or Model# 119653C for 119537C/119547C) 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).

PLAYING BACK/DELETING THE PHOTOS/VIDEOS

After you have setup, mounted and activated your Trophy Cam, you will of course be eager to return later and review the images it has captured for you. There are several different ways this can be done.

Reviewing Images Directly From the SD Card

This is the most popular method of viewing images. Since unmounting the camera and taking it to your computer isn’t very convenient, you may find it easier to just take the card out. By removing the SD card (swapping it for a new empty card if you like) and taking it to your home or campsite to view the images by using an SD card “reader” (user supplied) connected to your computer (some computers and TVs have a built in SD card slot), you can leave the camera in place ready to capture more images. Once connected, the card reader works the same way as described below-please read that section if you have any problem finding your files.

Reviewing Images on the Trophy Cam Color LCD (Model #119577 only)

- Put the power switch in SETUP mode (switch to OFF first).
- Push the OK (Replay) key to enter image review mode.
- If you are in still photo mode, you’ll see the still photo review screen. If you are in video mode, you’ll see the video review screen.
- Use the UP/DOWN keys to scroll through your photos or videos. A zoom feature is available for still photos: first press the LEFT key, then use the UP/DOWN keys to zoom in or out. After zooming in, you can then press OK, and use the UP/DOWN/LEFT/RIGHT keys to move around and examine small details in different areas of the photo. Press OK at anytime to exit and return to the full view.
- Press the RIGHT (Shot) key to play a video. If “Video Sound” was set
to “On” in the Setup Menu, you should hear audio from the speaker during playback.

- Push **MENU** to delete an image. Image delete mode works as described below. To exit image review mode, press the **OK** key.

**Reviewing Images on an External Video Monitor**

A TV monitor can also be used to play back pictures (or videos) from the device. Connect a TV monitor or a viewing device (such as a digital picture frame) that has a standard composite video input (RCA jack) to the **Trophy Cam** ’s “A/V Out” mini jack using the supplied cable. Then:

- Put the power switch in **SETUP** mode (switch to **OFF** first).
- Press the **OK** key. The most recently captured image will be shown on the video monitor. For video clips, press the **SHOT (RIGHT)** key to start playing, press again to stop.
- Press the **UP** key for the previous photo or video and the **DOWN** key for the next one. When viewing images, the total number of all images in the SD card and the index of the displaying image are shown in the center of LCD and at the bottom of the video monitor respectively.
- Press the **OK** key to return to live preview state (**SETUP** mode) when playback is finished.

**Reviewing Images by Connecting the Camera to a Computer**

You can always unmount the entire camera from the tree and connect its USB port to a computer—it will be recognized as a “removable disk”, without the need to install any drivers or software. When using a PC (or Mac*) to view photos (or video clips*), first connect the device to the computer with the supplied USB cable. Then use commercial software with an image browser feature, or an image browser included with the PC’s operating system to view images saved on the SD card in the folder \\DCIM\\100EK113. Each new image or video will be numbered incrementally in order of the time it was captured. For example, you will see file names such as “EK0001.JPG” or “EK0001.AVI”, etc. Through the file format suffix you can distinguish whether the file is a still photo (with suffix .JPG) or a video (with suffix .AVI).

*video files may require additional software for viewing on a Mac.
The **Trophy Cam** supports 3 kinds of file system formats, FAT12, FAT16, and FAT32. The default value is FAT16 to save photos and videos. Here are some related notes:

- You don’t need to be concerned about the file system format of the **Trophy Cam** unless your equipment has problems reading the SD card. If this happens, please format the SD card with the **Trophy Cam** or in your computer first and then insert the card into your **Trophy Cam** and try again.
- The default file system format of the **Trophy Cam** is FAT16, which most computers can read. If you format an SD card for the **Trophy Cam** in your computer, you should choose the file system format FAT16. Normally FAT16 is recommended unless you have another image viewer that uses FAT12 or FAT32 format.

### Deleting Photos or Videos

If you see a photo or video during playback on the LCD or video monitor that you want to delete, it can be done easily without leaving SETUP mode:

- Press the **MENU** key. You will see the first “Delete” screen, which lets you select the option to delete only the currently displayed photo/video, or all photos/videos (see below).
- Highlight the “Delete Current” or “Delete All” option, then press **OK**.
- Next, select “**Yes**” and press **OK** to erase only the last displayed photo or video (if you selected “Delete Current”), or every photo and video file on the card (if you selected “Delete All”)-or select “**No**” and press **OK** to cancel the operation without deleting any files.

**NOTE:** after deleting a picture or a video file, the deleted files can’t be restored! It is also possible to delete all files from the card by using the Format parameter (see pg. 21).
DOWNLOADING THE PHOTOS/VIDEOS

To download your photos/videos to a PC or Mac, first make sure the Trophy Cam power switch is in the OFF position. Connect the supplied cable to the camera’s USB port, then directly to a main USB port on your computer—do not use front panel/keyboard USB ports or unpowered “hubs”.

The Trophy Cam will be recognized as a standard “USB Mass Storage” device (this may take several seconds the first time you connect it). If you would rather leave your camera in the woods and just pull its SD card out, an SD card reader works the same way as described in this section once the card is inserted and the reader is connected to your computer.

With Windows XP or later, you can then simply use the options in the pop-up window to copy, view, or print your photos (right).

On all Windows OS, the Trophy Cam will also be listed as a “Removable Disk” if you open the “My Computer” window (on Macs, an icon will appear on your desktop). The Trophy Cam’s photo files are named “EK0001.JPG” etc, and are located in the “DCIM\100EK113” folder on this “Removable Disk”. Video file names will end with “.AVI”. You may copy the photos/videos to your hard drive as you would any file—just copy/paste or drag the file names or icons to your drive or desktop.

After the photos are copied to your hard drive, you can disconnect the Trophy Cam. (On Mac computers, drag the “disk” that appeared on your desktop when the camera was connected into your Trash to “eject” it before disconnecting.) The .JPG format photo files from the Trophy Cam may be viewed and edited with any photo software you choose to use. The .AVI video files may be viewed with the Windows Media Player on PCs with Windows 7. If your computer is running an older version of Windows, or you are on a Mac, and you don’t already have a compatible video player, you can download a free version of the DivX player from http://www.divx.com/.
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 a full set of Energizer® Lithium AA batteries in your Trophy Cam model 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 (Ultra® or Extreme® series for HD video). 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 (Ultra® or Extreme® series for HD video).

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 a full set of 8 or 12 Energizer® Lithium AA batteries in your Trophy Cam (the max. capacity for your model).

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 (or 60’ (19m) for models 119537C/119547C). Subjects may appear too dark at greater distances.
3. **Night photos or videos appear too bright**
   a. If the subject is close to the camera (less than 10ft/3m), change the LED Control parameter in the Setup Menu to "Medium" or "Low".

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 8MP 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.
   c. Set "NV Shutter" to "High" to minimize motion blur.

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.

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**Date/Time Stamp not appearing on images**

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

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Photos Do Not Capture Subject of Interest
1. Check the “Sensor Level” (PIR sensitivity) parameter setting. For warm temperature conditions, set the Sensor Level to “High” and for cold weather use, set the sensor for “Low”. For variable weather, use "Auto”.
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 8AM if the stop time of "A" is 10AM).
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.

Difficulty removing the batteries
Before removing the batteries from the Trophy Cam you can simply remove the battery compartment insert bar by grasping it in the middle and lifting out. This will give you easier access to the batteries. After removing them, you can replace the battery compartment insert bar by inserting one side into the battery compartment wall and flexing the insert until you can place the second side of the bar into the opposite wall of the battery compartment. Make sure that the bar is seated securely. The bar should be inserted with the text/numbers printed on the insert facing correctly up so that you can read them. Make sure that the insert bar is inserted correctly inside the battery compartment before replacing batteries.

Do not mix old and new batteries.
Do not mix battery types-use ALL lithium or ALL alkaline.
Rechargeable batteries are not recommended.
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Sensor</strong></td>
<td>5 Megapixel Color CMOS</td>
</tr>
<tr>
<td><strong>Maximum Pixel Size</strong></td>
<td>3264x2448 (8MP)</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>F = 3.1; FOV=45°; Auto IR-Cut-Remove (at night)</td>
</tr>
<tr>
<td><strong>IR-Flash Range</strong></td>
<td>Selectable (Low/Med/High), up to 60’(19m) on High</td>
</tr>
<tr>
<td><strong>Display Screen</strong></td>
<td>Std B&amp;W Display: 24x32mm(1.5”) ; Color Display (Model 119577 only): 32x42mm (2.4”)</td>
</tr>
<tr>
<td><strong>Memory Card</strong></td>
<td>SD or SDHC Card, Maximum capacity 32GB</td>
</tr>
<tr>
<td><strong>Internal RAM</strong></td>
<td>32MB</td>
</tr>
<tr>
<td><strong>Picture Size</strong></td>
<td>8MP = 3264x2448; 5MP = 2560x1920; 3MP = 2048x1536</td>
</tr>
<tr>
<td><strong>Video Size</strong></td>
<td>1280x720 (widescreen), 640x480 (fullscreen), or 320x240 (fullscreen) pixels per frame at 20-30 fps (Day) / 15-20 fps (Night)</td>
</tr>
<tr>
<td><strong>PIR sensitivity</strong></td>
<td>Hyper PIR with 4 sensitivity settings: Low/Normal/High/Auto</td>
</tr>
<tr>
<td><strong>Operation</strong></td>
<td>User selectable: 24 Hour, Day only, or Night only (based on ambient light level)</td>
</tr>
<tr>
<td><strong>Response Time</strong></td>
<td>0.6 second</td>
</tr>
<tr>
<td><strong>Triggering Interval</strong></td>
<td>1 sec. - 60 min. programmable</td>
</tr>
<tr>
<td><strong>Shooting Numbers</strong></td>
<td>1 – 3 programmable</td>
</tr>
<tr>
<td><strong>Video Length</strong></td>
<td>5-60sec. programmable</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>8x (119537C/119547C) or 12x (119576C/119577C) AA batteries recommended, 4xAA as emergency power</td>
</tr>
<tr>
<td><strong>Stand-by Current</strong></td>
<td>&lt; 0.2mA (&lt;7mAh/day)</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>250mA (+1300mA when all LEDs fire)</td>
</tr>
<tr>
<td><strong>Night Vision Shutter Speed</strong></td>
<td>User selectable (High/Med/Low)-affects night (NV) photos/videos only</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>A/V out (NTSC/PAL); USB; SD card holder; 6V DC external</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>Strap; ¼-20 attachment</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-20 - 60°C (Storage temperature: -30 - 70°C)</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>5% - 90%</td>
</tr>
</tbody>
</table>
TWO-YEAR LIMITED WARRANTY

Your Bushnell® 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 Bushnell 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:   IN CANADA Send To:
Bushnell Outdoor Products   Bushnell Outdoor Products
Attn.: Repairs   Attn.: Repairs
9200 Cody   25A East Pearce Street, Unit 1
Overland Park, Kansas 66214   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 Bushnell at:
Bushnell 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 Bushnell 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.

Disposal of Electric and Electronic Equipment
(Applicable in the EU and other European countries with separate collection systems)

This equipment contains electric and/or electronic parts and must therefore not be disposed of as normal household waste. Instead, it should be disposed at the respective collection points for recycling provided by the communities. For you, this is free of charge.

If the equipment contains exchangeable (rechargeable) batteries, these too must be removed before and, if necessary, in turn be disposed of according to the relevant regulations (see also the respective comments in this unit's instructions).

Further information about the subject is available at your community administration, your local waste collection company, or in the store where you purchased this equipment.