Bushnell®



PRIME TRAIL CAMERA

INSTRUCTION MANUAL

Model# 119932C / 119932CB **08-25**

IMPORTANT NOTE

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

If your Bushnell Prime Trail Camera does not seem to be functioning properly or if you are having photo/video quality issues, **please check the Troubleshooting/FAQ section**. 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**.

Bushnell recommends using 6 Energizer® Lithium AA batteries in this Prime Trail Camera model to obtain maximum battery life.

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

Bushnell recommends using SanDisk® SD and SDHC Cards (up to 32GB capacity) in all Prime Trail Camera.

INTRODUCTION

About the Prime Trail Camera

The **Bushnell Prime Trail Camera** 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 24MP still photos), or 720p HD video clips.

The **Prime Trail Camera** consumes very little power (less than 0.08 mA) in a stand-by (surveillance) state. This means it can deliver up to twelve months stand-by operation time when the device is powered by six AA alkaline batteries. Once motion in the monitored area is detected, the digital camera unit will be triggered at once (typically less than half a second) and then automatically take images according to previously programmed settings. The **Prime Trail Camera** is equipped with built-in infrared LEDs 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 **Prime Trail Camera** is designed for outdoor use and is resistant against water and snow.

Applications

The **Prime Trail Camera** can be used as a trail camera for hunting or scouting game. It is also suitable for surveillance usage.

PARTS AND CONTROLS

The **Prime Trail Camera** provides the following connections for external devices: USB port and SD card slot **(Fig. 4).**

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

A D-Pad interface with 5-way keys is primarily used in AIM mode to select operational functions and parameters. As shown in **Fig. 3,** these keys are: UP, DOWN, LEFT, RIGHT, OK and MENU. Three of the keys can also perform a second function (shortcut operations in **AIM** 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. These secondary functions are indicated by icons or text above the key as shown in **Fig. 3.**

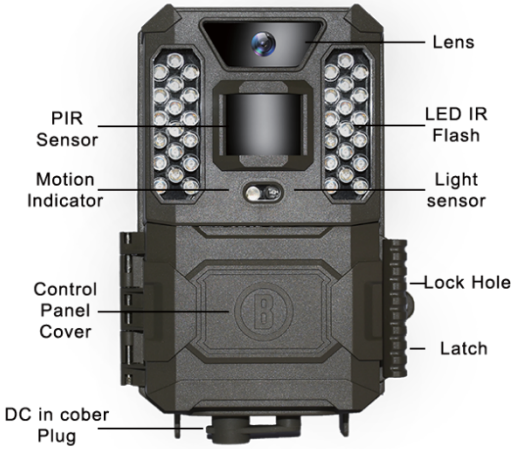

Lens
PIR Sensor
LED IR Flash
Motion Indicator
Light sensor
Lock Hole
Control Panel Cover
Latch
DC in cober Plug

Fig. 1

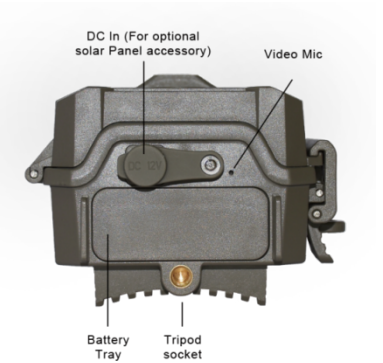

DC In (For optional solar Panel accessory)
Video Mic
Battery Tray
Tripod socket

Fig. 2


OK
LCD Screen
UP/Video
MENU
Right/Shot
Down/Photo
Left
Power/Mode Switch
Battery Release

Fig. 3

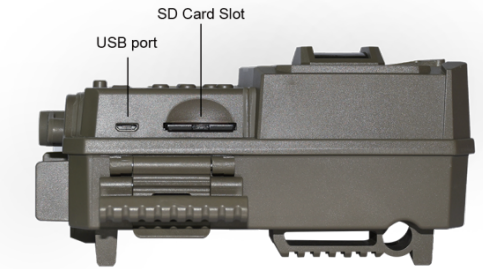

SD Card Slot
USB port

Fig. 4

INSTALLING THE BATTERIES AND SD CARD

Before you begin learning how to use your **Prime Trail Camera**, 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 latch on the right side of the Prime Trail Camera, you will see that the **Prime Trail Camera** has a battery release button. Depress this button and a battery tray will drop out of the bottom of the camera. The battery tray will stop about ½ inch out of the device, this is a latch system to prevent the tray from dropping onto the ground. Just apply a little pressure when pulling and the tray will release. The battery tray has six battery slots. Install a full set of 6 batteries. 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 or alkaline AA batteries. NiMh Rechargeable batteries are not recommended, as the lower voltage they produce can cause operational issues.



You can also connect an optional Solar Panel accessory (model# 119756C – please visit www.bushnell.com for more information) to the “DC In” jack at the bottom of the **Prime Trail Camera** (other external power supplies should not be used, as the camera and/or display may not function correctly). If the solar panel is connected and AA batteries are installed, the **Prime Trail Camera** will be powered by the solar panel's rechargeable lithium-ion battery, if it provides adequate voltage (if not, the camera will switch to battery power). The solar panel's battery will power the camera at night.

Inserting the SD Card

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 **Prime Trail Camera** 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 **Prime Trail Camera** "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. Be sure the camera's power is switched OFF before inserting or removing SD cards or batteries.



USING THE Prime Trail Camera

Once you've prepared your Prime Trail Camera by properly installing batteries and an SD card, you could simply take it outside, strap it to a tree, switch it on and leave. 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 direction 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 AIM MODES

The Prime Trail Camera 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.)
- **AIM** mode: Power switch at **AIM** 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 **Prime Trail Camera** 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

Any time after the batteries and SD card have been inserted, you can switch on the camera. When the power switch is moved to the far left position, the camera will enter into the ON (Live) mode. The motion indicator LED (Fig.1, "Front View") will blink red for about 10 seconds. This interval allows time for you to close the Prime Trail Camera'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 Prime Trail Camera 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 AIM position first to change one or more settings, then move the switch to ON after you have finished doing so.

AIM MODE

In the **AIM** mode you can check and change the settings of the **Prime Trail Camera** with the help of its built-in LCD. 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 **AIM** 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. 5).

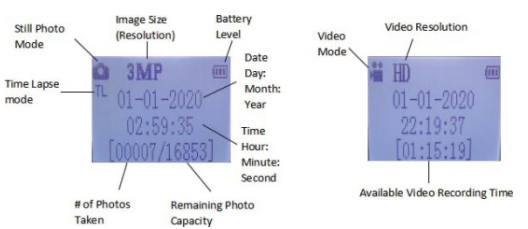
NOTE: Always move the power switch from **OFF** to **AIM** mode. It is possible that the camera could lockup if it is switched from **ON** to **AIM** mode. If this occurs, simply move the switch to **OFF** and then push it up to AIM again.

AIM Mode Shortcut Keys/Functions

As mentioned earlier in “Parts & Controls”, three of the keys below the LCD have secondary, “shortcut” functions when the camera is switched to **AIM** 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 **AIM** 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. 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.

Fig.5: SETUP Information Screen



USING THE SETUP MENU TO CHANGE SETTINGS

The main purpose of the **AIM** mode is to allow you to change the settings of the camera's parameters, so your **Prime Trail Camera** operates exactly the way you want it to. You will do this by entering the SETUP Menu and pressing the keys beside 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 **Prime Trail Camera** to your operational preferences. To change the setting of any parameter you must first switch to the **AIM** mode. Once in **AIM** 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 (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 taking photos or videos. No images will be captured if the switch is left in the **AIM** 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.

To make the Parameter Settings easier, we have made the camera with 3 basic settings (Set Clock / Mode / Interval) and an "**Additional Set**" which allows customer to access to the full suite of settings if you turn the "**Additional Set**" on.

Parameter Setting Display

The settings for each parameter are shown on the display screen of your **Prime Trail Camera**. Only one setting is displayed at a time, starting with the current setting for the parameter when it is first selected (Fig. 6a). To change the setting, use the UP/DOWN keys to display the new setting you want (Fig. 6b), 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. 6: Selecting Parameter Settings

Press Menu **(6a)**



Press DOWN to select new setting for the highlighted parameter

(6b)



Press OK to confirm and execute the new setting

EXAMPLES-Changing the Settings of Some Common Parameters

Following this page, you will find tables listing all 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 **AIM** position. After the LCD comes on, press the **MENU** key.

The first parameter you will see when you enter the **SETUP** Menu is "Set Clock". As the Time Stamp feature is "On" by default, the camera will normally imprint the date and time on each photo or video, based on your settings here. Press **OK** and use the **UP/DOWN** keys to set the hour (24- hr format, "00"=midnight, "12"=noon), then press the **RIGHT** key move to the minute field and set it (again using **UP/DOWN**). Press **RIGHT** to move to the lower row and set the year, month and date using the same method. When finished, press the **OK** key to confirm the new time and date settings you made.

Now press the RIGHT key to move to another parameter in the Menu. The next parameter you will see 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 2 times will take you to "Additional Set". Try using the **UP** and **DOWN** keys to choose to turn ON / OFF the "Additional Set". You will get to the full suite of settings if you turn the "**Additional Set**" on.

Field Scan 2x with Live Trigger Feature

Field Scan is a revolutionary new feature for the Bushnell **Prime Trail Camera**, which allows you to monitor your food plots or field edges with time lapse images. When set to "On", the **Prime Trail Camera** will take a photo 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.

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 **AIM**, then press **MENU**.

2. Keep pressing the **RIGHT** key, stepping through the Setup Menu until you reach "Additional Set" and turn it on. Then keep pressing the **RIGHT** key until you reach Field Scan.

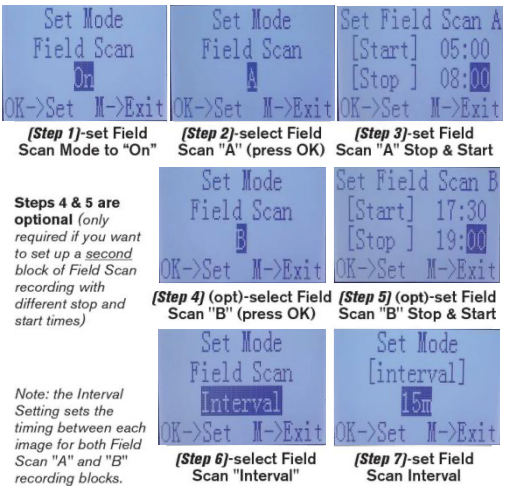
3. Press the **UP** key to select On, and press **OK (Step 1)**, you will see "Interval". Then press **OK** key entering the interval settings. The Field Scan "Interval" setting lets you control how often a photo is captured during the block(s) of time you defined with the Start and Stop settings. Your options are 60 minutes, 30 minutes, 15 minutes, **5 minutes (this is the default)**, or 1 minute. Use the **UP/DOWN** keys to select your preference, then press OK to save it **(Step 7).** Then press DOWN key, 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. 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.
These settings would cause the camera to capture a photo 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 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 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 will still be captured every 15 minutes during the block(s) of time. 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**

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)*

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

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

Note: the Interval Setting sets the timing between each image for both Field Scan "A" and "B" recording blocks.

***(Step 6)*-select Field Scan "Interval"**

***(Step 7)*-set Field Scan Interval**

The SETUP Menu – Parameters and Setting List w / Descriptions

Parameter	Settings (Bold=default)	Description
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.
Mode	**Camera** or Video	Selects whether still photos or video clips are captured when the camera is triggered.
Interval	**5S**(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 the default 5 seconds when parameter is first selected. Notes: after setting down past “1S”, settings start over at “60M”. Setting the Interval time to 1 second will capture the maximum # of images, but some may appear "washed out" if animal is too close to camera at night.
Addition Set	On or **Off**	Select ON to access to the full suite of settings.

Image Size (only affects still photos)	**3M**=2304x1296 12M=4608x2592 24M=6528x3672	Selects resolution for still photos. Higher resolution provides more pixels but creates larger files that take up more of the SD card capacity (fills up faster). 12M is a good compromise between resolution and file size.
Capture Number (only affects still photos)	**1 Photo,** 2 Photo, 3 Photo, 4 Photo, 5 Photo	Selects how many photos are taken in sequence per trigger in Camera mode. Please note that the capture number can only be set to 1 photo when the Field Scan is On.
Video Size (only affects video clips)	1920x1080 15FPS **1280x720 30FPS** 640x368 30FPS	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). 640x368 is VGA video in widescreen 16:9 format. The highest setting provides HD video. Using high speed SD cards (SanDisk® SDHC class 6 or higher) is recommended if you will use the 1280x720 or 1920x1080 video settings.
Video Length (only affects video clips)	**10S** (second) default, with 60S to 5S possible range	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.

Sensor Level	Low, **Normal**, High	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.
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 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. 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.

Flash mode	**Auto,** Long Range, Fast Motion	Long Range - High LED output Low Shutter Speed Fast Motion - High LED output Fast Shutter Speed Auto - allow the camera to determine the LED luminance and Medium Shutter Speed
Video Sound (only affects video clips)	**Off**, On	Select “On” to record audio along with the video when the camera is set to video mode (saved file sizes will be slightly larger).
Time Stamp	**On**, Off	Select “On” if you want the date & time (that the photo or video was recorded) imprinted on every photo or video, select “Off” for no imprint.
Camera Mode	**24 Hrs**, Day, Night	Allows user to limit operation to only day or night period if desired. An ambient light level sensor determines "Day" vs "Night" automatically.
Camera Name	Input	Allows user to set up the camera name at 6 characters.
Format	**No**, Yes	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.
Version	n/a	Displays firmware version

Default Set	**No**, Yes	Select “Yes” 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 used or “generic” settings.
FW Update	**No**, Yes	Allows users to update the FW when the updated FW in the SD card.

MOUNTING AND POSITIONING THE

Prime Trail Camera

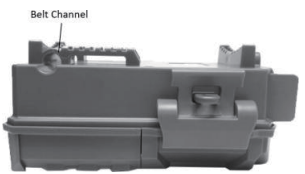
Mounting

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 Prime Trail Camera for scouting game or other outdoor applications, you must be sure to mount it in place correctly and securely. We recommend mounting the Prime Trail Camera 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 3.5-5 ft. (1~1.5 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 100' (30m) and no closer than 10' (3m) from the camera.

There are two ways to mount the Prime Trail Camera: using the provided adjustable web belt, or the tripod socket.

Using the adjustable web belt: Fig. 7 illustrates using the web belt on the Prime Trail Camera. Push one end of the belt through the two brackets on the back of the Prime Trail Camera. Thread the end of the strap through the buckle. Fasten the belt securely around the tree trunk by pulling the end of the strap firmly so there is no slack left.

Fig. 7: Attaching the Belt





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 standard1/4-20 thread.

Note: an accessory solar panel supplemental power source (#119756C) is also available - please visit www.bushnell.com for more information.

Sensing Angle and Distance Test

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

- Switch the **Prime Trail Camera** to the **AIM** 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 Prime Trail Camera. 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 PrimeTrail Camera 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 60 ft Before leaving the camera unattended, please check for the following:

• Are the batteries inserted with correct polarity and is their power level 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 **AIM**).

PLAYING BACK/DELETING THE PHOTOS/VIDEOS

After you have setup, mounted and activated your Prime Trail Camera, 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 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 a USB cable (not included, available at most electronics/ computer retailers) that has a "Micro-B" USB plug on one end (camera) and a "Standard-A" USB plug at the other end (computer). 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\100EK001. Each new image or video will be numbered incrementally in order of the time it was captured (first four digits are the same "DCIM"). For example, you will see file names such as "DCIM0001.JPG" or "DCIM0001.AVI". Through the file format suffix you can distinguish whether the file is a still photo (with suffix .JPG) or a video (with suffix .AVI).

The **Prime Trail Camera** supports 2 kinds of file system formats, FAT16 and FAT32. The default value is FAT32 to save photos and videos. Here are some

related notes:

• You don't need to be concerned about the file system format of the P**rime Trail Camera** unless your equipment has problems reading the SD card. If this happens, please format the SD card with the **Prime Trail Camera** or in your computer first and then insert the card into your **Prime Trail Camera** and try again.

• The default file system format of the **Prime Trail Camera** is FAT32, which most computers can read. If you format an SD card for the **Prime Trail Camera** in your computer, you should choose the file system format FAT32. Normally FAT32 is recommended unless you have another image viewer that uses FAT16 format.

Deleting Photos or Videos

All files may be deleted from the card by using the Format parameter.

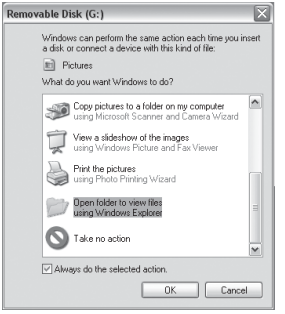
NOTE: after formatting the card, the deleted files can't be restored!

DOWNLOADING THE PHOTOS/VIDEOS

To download your photos/videos to a PC or Mac*, first make sure the Prime Trail Camera power switch is in the OFF position. Connect a USB 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 Prime Trail Camera 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 Prime Trail Camera will also be listed as a "Removable Disk" if you open the "MyComputer" window (on Macs, an icon will appear on your desktop). The Prime Trail Camera's photo files are named "DCIM0001.-JPG" etc. and are in the "DCIM\100EK001" 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 Prime Trail Camera. (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 standard files from the Prime Trail Camera may be viewed and edited with any photo software you choose to use. The “.avi” video files may be viewed with Windows Media Player (version 7 or later) as well as other video playback programs that may have been supplied with your computer or are available online.

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 **Prime Trail Camera** will be able to capture several thousand images before the batteries die.

Check to make sure you have used new alkaline or lithium batteries. Bushnell recommends using Energizer® Lithium AA batteries in your

2. Prime Trail Camera 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 “AIM” 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 **Prime Trail**

Camera 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 **"AIM"** 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 **Prime Trail Camera**, 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 **Prime Trail Camera.**

Camera won't power up

1. Make sure that you have installed all six batteries in the battery compartment. Bushnell recommends using Energizer® Lithium AA batteries in all Prime Trail Camera.

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 **"AIM"** 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 **"AIM"**-always move the switch all the way down to **"Off"** first, then back up to **"AIM".**

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 100' (30m) 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.

b. Change the Interval setting from 1S to 3S or higher. The camera will be in auto exposure mode to avoid "whiteout" photos.

4. Daytime photos or videos appear too bright

a. Make sure that the light sensor will not be in the shade (from tree leaves/branches) while the camera lens is aimed into a bright area.

5. Photos with streaked subject

a. In some cases, with low lighting conditions and fast moving subjects, the 12MP or 24MP 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. Change the Interval setting from 1S to 3S or higher 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.

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 overground.

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 “AIM” 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 “AIM” 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 “AIM”-always move the switch all the way down to “Off” first, then back up to “AIM”.

2. LCD screen shows a faint black line after turning from “AIM” 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.

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).



CAUTION: DO NOT USE the 1s Interval setting for Video at night at a feeder or similar environment. It may cause the LEDs to continue firing over a long period of time, which may overheat and shorten the operating life of the internal electronic components.

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

Image Sensor	3 Megapixel Color CMOS
Maximum Pixel Size	6528x3672 (24 MP)
Lens	F = 2.8; FOV=42°; Auto IR-Cut-Remove (at night)
IR-Flash Range	Up to 100' (30m)
Display Screen	Std B&W Display: 24x32mm (1.5")
Memory Card	SD or SDHC Card, Maximum capacity 32GB
Picture Size	3M=2304x1296,12M=4608x2592,24M=6528x3672
Video Size	1920x1080, 1280x720, 640x368
PIR sensitivity	PIR with 4 sensitivity levels: High/Normal/Low
Operation	User selectable: 24 Hour, Day only, or Night only (based on ambient light level)
Response Time	0.3 sec
Triggering Interval	1 sec. - 60 min. programmable
Shooting Numbers	1 - 5 programmable
Video Length	5-60sec. programmable
Power Supply	6xAA required
Stand-by Current	< 0.08mA (<7mAh/day)
User Interface	LCD display
Interface	USB; SD card holder
Security	Strap; ¼-20 attachment
Operating Temperature	-20 - 60°C (Storage temperature: -30 - 70°C)
Operating Humidity	5% - 90%

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

TWO YEARS 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, if 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.

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

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FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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. 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.

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

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.





For further questions or additional information please contact:

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