



Bushnell 119902 Cellucore 30 Trail Camera Instruction Manual

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WELCOME

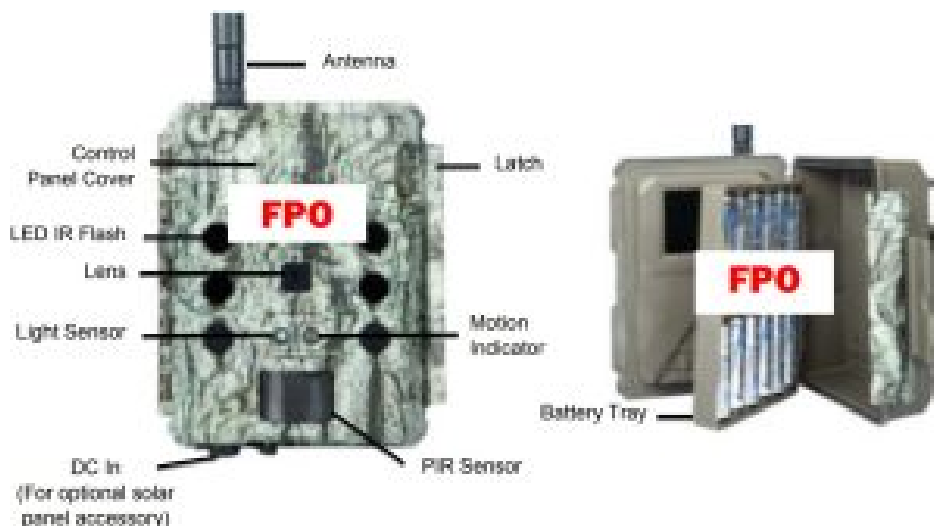
Welcome to your Bushnell Trail Camera! This manual has all the instructions you need to set up your camera and your account, plus quick answers to your questions.

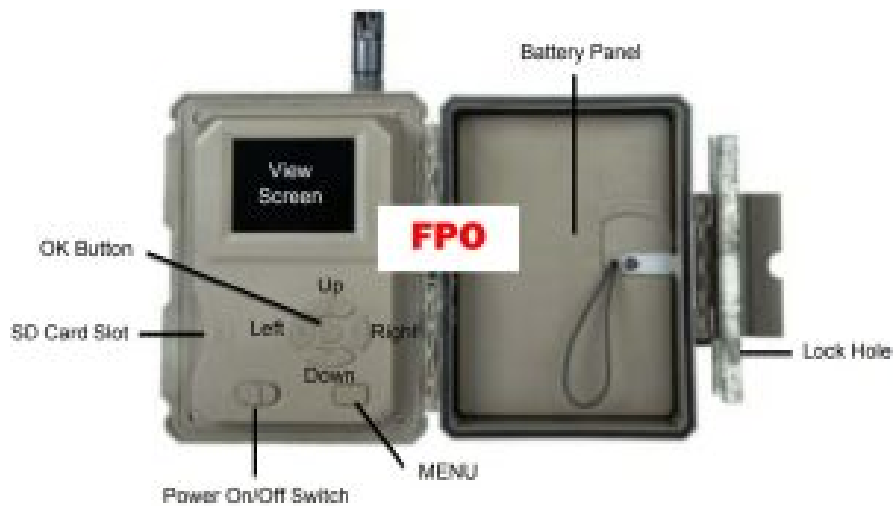
If your camera does not seem to be functioning properly or if you are having image quality issues, please check the Troubleshooting Tips section.

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

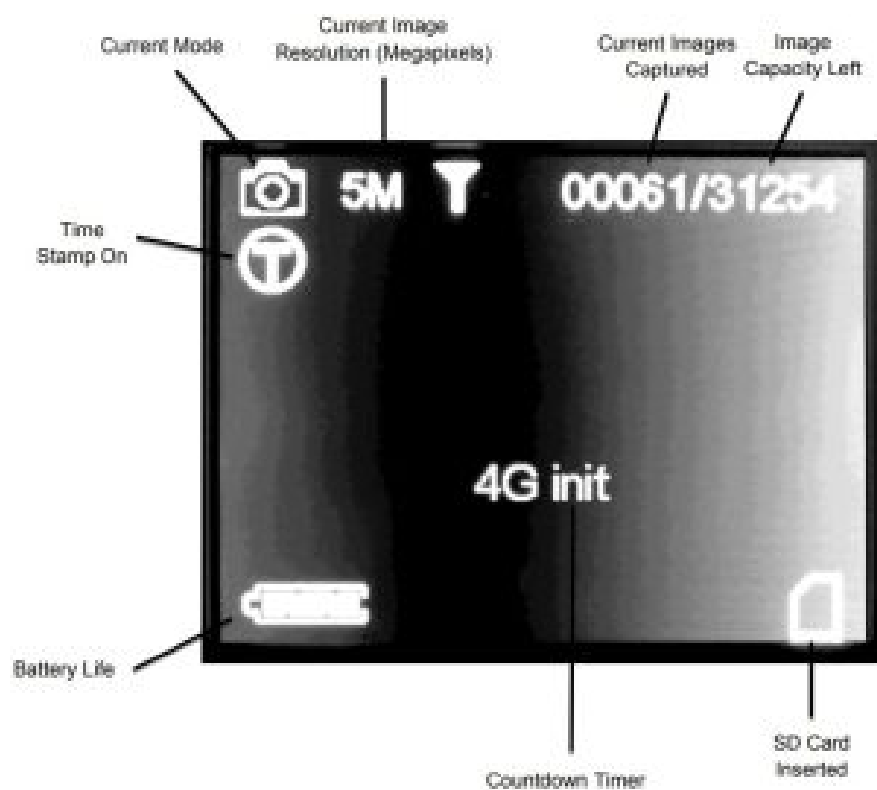
Note: This Bushnell trail camera is not designed or intended for operation or sale outside of the United States.

CAMERA OVERVIEW





VIEW SCREEN INDICATORS



QUICK START GUIDE

1. Install the free Bushnell Wireless Trophy Cam app on your smartphone from the App Store (iPhone®) or Google Play® (Android®)



2. Open the app, then sign in or create a new account
3. Log in and click the Camera icon at the bottom of the screen, then click "+" to add a new camera. Scan the QR code on the label inside your camera again or manually enter its serial # to associate this camera with your

account

4. Remove the protective plastic covers from the camera lens, PIR sensor and display screen, opening the latches at the top of the camera to access the display screen on the interior control panel (see Parts Guide).
5. Install 12 AA batteries (Energizer® lithium batteries are recommended. Alkaline batteries may be used but battery life will be shorter. Rechargeable batteries are not recommended). Be sure to position the batteries for correct polarity (+/-) when installing
6. Install a new SD card, up to 32GB. High speed cards (class 6 or higher) are recommended if you plan to record video clips.
7. At the location where you will place the camera, move the power switch to the On position. The camera's default settings were chosen for typical usage as a scouting camera for hunters: photo mode at 2MP resolution, with a 10 second interval between photos, and "Medium" LED flash power output. These settings may be easily changed to suit your individual preferences or application (for example, if you would rather capture videos, or photos at a different resolution, spaced further apart), using the app on your smartphone or home computer.
8. Prior to closing the camera, ensure the camera has acquired cellular signal by checking the signal strength meter pictured below. Lower signal strength can cause interruptions in service and shorter battery life. Mount the camera using the provided tree strap or 1/4"-20 mounting socket. A leveling arm to adjust the camera's angle is provided near the lower rear of the camera.

Your wireless camera is now ready to use. You can now utilize the mobile application or management website to review images, change camera settings, monitor battery life and other functions of the camera.

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SETTINGS MENU

- **Set Clock**

Sets the hour (24-hr format only, "00"= midnight, "12"=noon), minute, year, month, and date.



- **Mode**

Selects the format your camera will record in.

Camera: For photos only.

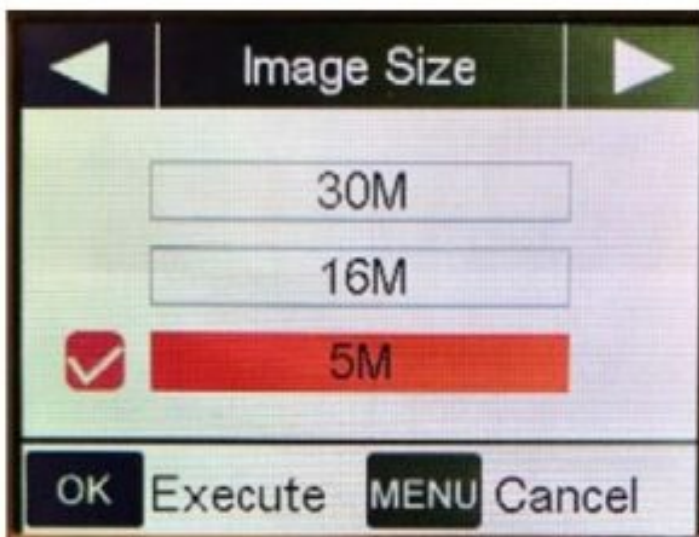
Video: For videos only.

Hybrid: A photo (multiple photos, if NUM PICS is set >1) followed by a video clip will be captured for each PIR trigger event.



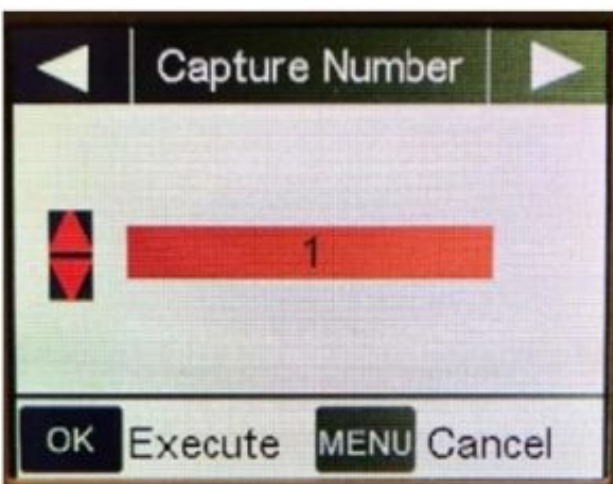
- **Image Size**

Chooses the image resolution and size. Note: Larger sizes mean higher image resolutions that take up more space on the SD card. Medium is the recommended default for good resolution and smaller size.



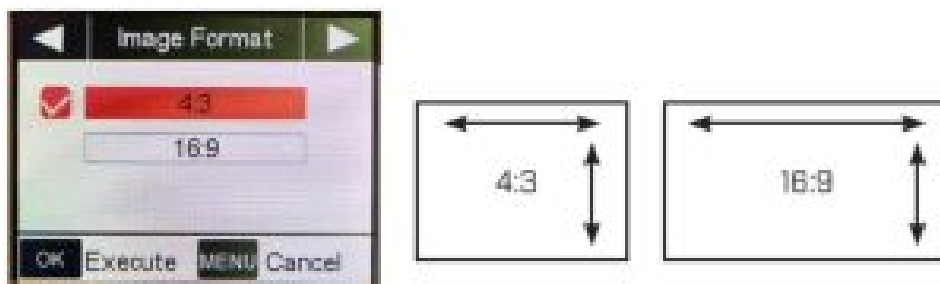
- **Capture Number**

Selects how many photos are taken in sequence per trigger. This setting affects photos taken in Camera, Hybrid, and Field Scan mode.



- **Image Format**

Selects the aspect ratio of your photos.



- **Video Size**

Selects video resolution.

3840×2160: Maximum resolution, takes up the most space on your SD card.

1920×1080: The recommended default resolution, clear resolution without filling up your SD too fast.

1280×720: Lowest resolution. Good for videos when resolution is not critical.

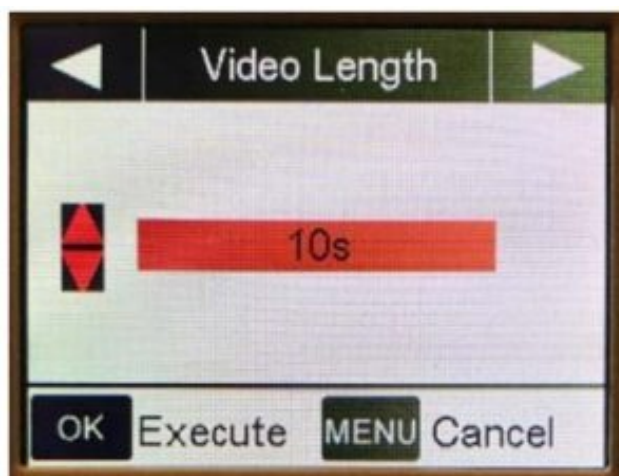
Note: We recommend SanDisk® SDHC class 10 or higher.



- **Video Length**

Sets length per video clip. 10 seconds is the recommended default. Press OK to see other options.

Nighttime limit of 15 seconds when Illumination Mode = "Long Range". The "Dynamic" setting provides a variable video length, based on animal activity within PIR range and your Interval and Illumination Mode settings.

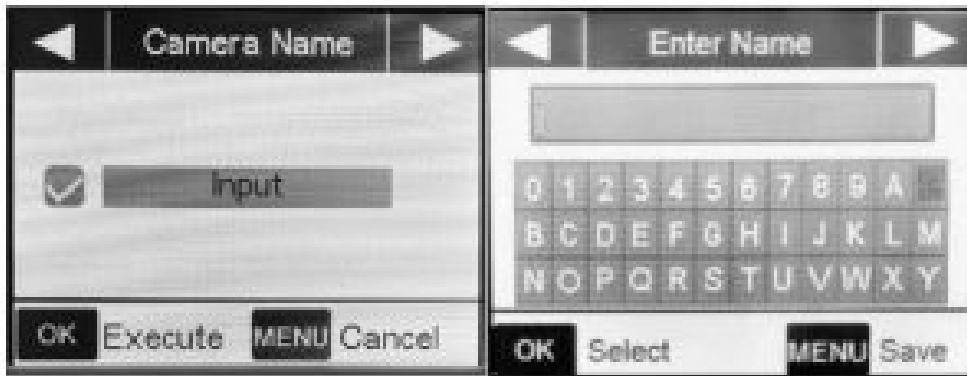


- **Camera Name**

Allows you to enter a name for your camera that will appear on the image time stamp. Press the OK button to choose "Input" and go to the name input screen. If necessary, select the arrow in the upper

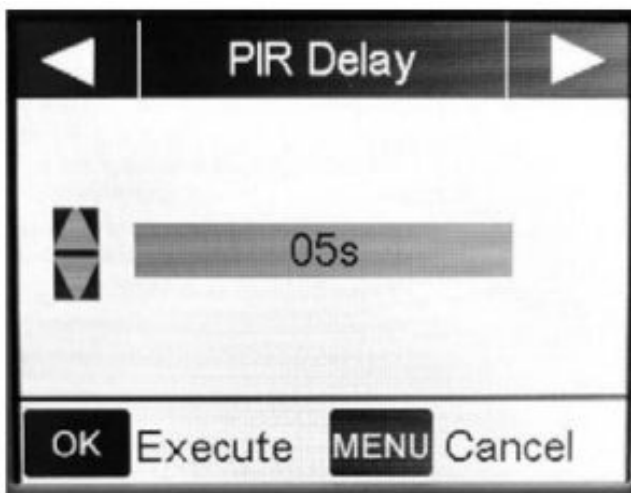
right of the keyboard to erase the current camera name, then enter the new name using the arrow buttons and keyboard. Press the OK button to select a letter.

Press MENU to save the name to memory.



- **PIR Delay**

Selects the length of time that the camera will “wait” until it responds to any additional triggers from the PIR. Settings begin with 5 second default when parameter is first selected. To choose other intervals, press OK, and select by using the arrow buttons. The shorter your delay, the more images you’ll get.



- **Coordinate**

Allows you manually input GPS coordinates that will appear on image time stamps. This can be useful when running multiple cameras in an area, especially in research scenarios.

On: Takes you to coordinate setting options. Off: The default setting.



- **Field Scan**

Allows you to capture images without requiring a trigger during a specified time period and interval.

For instance, it will take picture every 5 minutes between 8am and 5pm if that is your desired time period.

On: Allows you to select two time periods within a 24 hour period and the interval.

Off: The recommended default.



- **Flash Mode**

Selects the shutter speed.

Note: These settings only affect the quality of your nighttime images.

Short Range: Recommended for subjects at less than 60'.

Fast Motion: Recommended for subjects moving quickly through the frame.

Long Range: Recommended for maximum illumination range and field of view. (You may experience more motion blur at this.)



- **PIR Sensitivity**

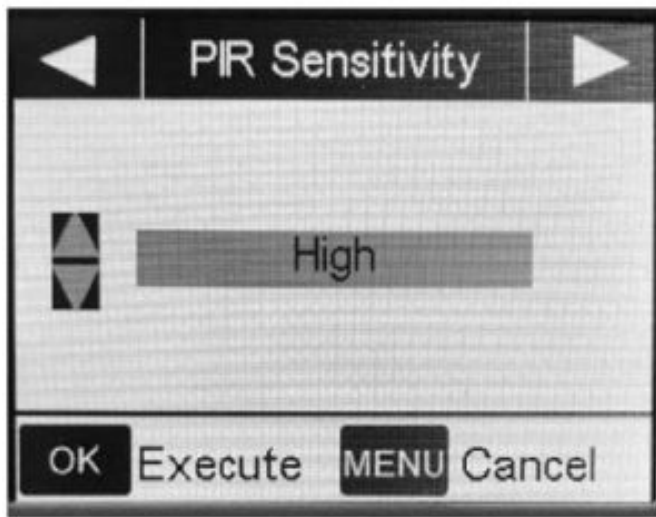
Auto sensor level will automatically adjust the sensor level depending on the surrounding temperature.

Auto: Automatically sets sensor level based upon temperature.

High: Recommended when air temperature is above 70° or when maximum range is desired.

Med: Recommended when air temperature is 45-70° or when range is up to 70'.

Low: Recommended when air temperature is below 45° or when range is up to 40'.



MOUNTING & POSITIONING

After you've set the camera's settings to your personal preferences, you're ready to take it outside to start capturing images. When using the camera for scouting game or other applications, you must be sure to mount it in place correctly and securely. We recommend mounting it 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 80' (24m) and no closer than 10' (3m) from the camera.

There are two ways to mount the camera:

- Using the provided adjustable belt: Push one end of the belt through the two slots on the back of the Impulse 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.

Using the tripod socket: The camera is equipped with a socket at the back (below the strap brackets) to enable mounting on a tripod or other camera mounting accessories that have a standard 1/4"-20 thread.

USING AN EXTERNAL POWER SOURCE

Connect the optional (119986C) Accessory Solar Panel (please visit www.bushnell.com for more information) to the "DC In" jack at the bottom of the 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 camera will be powered by the solar panel's rechargeable lith-ion battery, as long as it provides adequate voltage (if not, the camera will switch to battery power). The solar panel's battery will power the camera at night.

FREQUENTLY ASKED QUESTIONS

For quick help with more questions, call Customer Service at **(800) 423-3537**. In Canada, call **(800) 361-5702**.

Data & Data Plans

- **Q: If I have multiple cameras do I need a data plan for each camera?**

A: Yes, each camera must have an active data plan to transmit images.

Q: How do I cancel or suspend my data plan?

A: You can Cancel or Suspend your data plan through the wireless application in the "Camera" tab or through

the
management website.

Photos

- **Q: Can I transmit photos to more than one cell phone number or email address?**

A: Accounts are tied to a customer's e-mail address. You can have multiple devices logged into the same account but only one e-mail address per account. If you wish to share your photos with others you will need to share the account log in information with them.

- **Q: How do I delete photos on my account?**

A: There are several ways to delete images. From the tile view screen you can hold down on the image and it will select the image (place a check next to it). Once it is selected you can click the Trash Can icon to delete it. You can also delete the image from the individual image view by clicking the Trash Can Icon.

Videos

- **Q: How do I have a full video sent to my account?**

A: If there is a video captured by the camera there will be a triangle shown on the thumbnail image. If you wish to have that video transmitted click on the image and select "download video". The Camera will then send the video on its nightly check in. This is done to prevent excess data transmission and preserve battery life by not sending videos that the user doesn't want. All of the videos will also be saved on the SD card.

SD Cards

- **Q: What size and brand SD card?**

A: We recommend SanDisk Class 10 up to 32GB

Batteries

- **Q: What should I expect from my battery life?**

A: Average battery life is about 6 months with the Impulse on default setting and powered by lithium AA batteries. Battery life will be shorter if settings are set to take multiple photos per trigger, take photos/videos more frequently (short delay times), or LED flash output is increased.

Accessories

- **Q: Do you have a solar panel my camera?**

A: Yes, the 119986C solar panel is compatible with ALL Bushnell cellular trail cameras.

TECHNICAL SPECIFICATIONS

Lens: F = 2.0; FOV=47°; Auto IR-Cut-Remove (at night)

Picture Size (pixel count in 16:9 format): 2MP=1920×1080, 8MP=3840×2160, 20MP=5888×3312

Video Size: 1280×720P or 960×544 (640p) @ 15-30 fps

Video Length: Fixed length video time settings range from 5 to 20 seconds

PIR Sensitivity: 4 settings: Low/Normal/High/Auto

Response Time: 0.8 second (Photo), 2 second (Video). 5 second interval

Triggering Interval: 1 sec. - 60 sec. programmable

Images per Trigger: 1—5 programmable

Power Supply: 12x AA batteries, lithium (recommended) or alkaline Stand-by Current:> 1mA ~ < 2mA

Average Battery Life: Approx. 6 mos. at 30 images per day average (15 day, 15 night w/LEDs)

Operating Temperature: -20 - 60°C (Storage temperature: -30 - 70°C)

Operating Humidity: 5% - 90%



WARNING: This product can use Lithium based batteries. Lithium batteries can overheat and cause damage if physically abused. Do not use any batteries that are damaged or show signs of physical wear. Never use a mix of old and new batteries, or batteries with different brand names.

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:

- A check/money order in the amount of \$10.00 to cover the cost of postage and handling.
- Name, address and daytime phone # for product return.
- An explanation of the defect.
- Copy of your dated proof of purchase.

Do not send in accessories (batteries, SD cards, strap), only the product for repair.

Product should be well packed in a sturdy outside shipping carton to prevent damage in transit, and shipped to the address listed below:

IN U.S.A. Send To:

Bushnell Outdoor Products

Attn.: Repairs

9200 Cody

Overland Park, Kansas 66214

IN CANADA Send To

Bushnell Outdoor Products

Attn.: Repairs

140 Great Gulf Drive, Unit # B

Vaughan, Ontario L4K 5W5

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. ©2018 Bushnell Outdoor Products
Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer

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.

FCC ID: 2ASQI-KW898 

Note: this Bushnell Impulse Wireless Camera is not designed or intended for operation or sale outside of North America.

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Verizon™ and Verizon Wireless™ are trademarks of
Verizon Trademark Services, LLC

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.

Customer Support

For further questions or additional information
please contact:

Bushnell Outdoor Products

9200 Cody, Overland Park, Kansas **66214 (800) 423-3537** www.bushnell.com

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Caution

This device complies with Part 15 of the FCC rules and Industry Canada license-exempt RSS standard(s).
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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment. This radio transmitter (identify the device by certification number or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

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.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Bushnell®

Documents / Resources

Manuals+,