

# Bushnell®

# IMAGE VIEW



## Instruction Manual

Model #: 111026  
LIT. #: 98-0828/06-11

Version 2.1



## **WARNING**

Do NOT look directly at the sun through your binoculars.  
Doing so may cause permanent eye damage.

*NOTE: To reset the camera if you experience problems or if the display becomes unresponsive, remove the batteries for at least one minute, then re-install them.*

**Congratulations on your purchase of the Bushnell ImageView<sup>®</sup> binocular! The Bushnell ImageView binocular takes the technology of digital photography and combines it with a high-quality compact binocular. This allows you to observe sporting events, wildlife, scenic vistas or anything you would normally use a binocular for, and then save the image in a built-in attached digital camera. You can then download these images to your computer and e-mail them to your friends and family, print out the pictures, or save them in a photo album for future use. Before using the product, please read the instructions contained in this manual and take time to familiarize yourself with the different parts and features of the product.**



## Setup and Basic Operation

1. The camera is powered by two AAA alkaline, lithium, or NiMh batteries (not included). Insert batteries into the compartment, with the springs in contact with the negative (flat) end of each battery. A power meter on the left center of the display indicates battery condition.
2. Insert an SD card ("upside down" with metal contacts facing up) in the slot if greater storage is desired. You may use SD cards (not MMC cards) up to 8 GB capacity. As the camera has no internal memory, it cannot be operated without an SD card. If no card is inserted and the power button is pressed, the display indicates "NSd" (no SD) (*see "Parts Guide"*), the memory card icon blinks, and the camera shuts down. If this happens, insert a card, then power on again.
3. Press and hold the MODE button until the camera turns on. The camera will turn off automatically after about one minute if no buttons are pressed. *Note: when the camera is connected to a computer via the supplied USB cable, the camera will power on automatically, and draw power from the computer with no battery drain.*
4. Hold the ImageView steady and press SNAP to take a picture (or start/stop shooting a video, when the camera is in video mode). The camera focus is preset to take sharp photos from approximately 35 feet to infinity.
5. When using a tripod, you can help avoid the effects of camera shake by plugging the supplied remote shutter release into the jack next to the SD card slot, and using the button on the remote rather than SNAP to take photos.

## Setting Date & Time/ Using the Operational Modes

The ImageView will imprint the date and time in the bottom right corner of your photos. To set the current date and time, after turning on the camera, press and hold both the MODE and SNAP buttons at the same time, until the display begins to flash. The display now shows the last two digits of the year. Press the MODE button to move the cursor to the second digit if necessary. Press the SNAP button to advance the digit to the current year ("10" for 2010, etc). Then press MODE to go to the next number, which is the month. Again, use SNAP to change this to the current month. Following the month display is: date, hour (24hr format), and minute-continue to set these following the same process using the MODE and then SNAP buttons. When you have completed all of the date/time settings, the display will stop flashing and return to normal. Note that you will need to reset the date/time after replacing batteries.

Your ImageView is already setup to produce high quality results right out of the box, and it is not necessary to use the MODE settings and make any changes to get good results by simply pressing the SNAP button to take photos. However, as you might want to shoot a video clip, delete one or more previous photos, or explore other options, we recommend you review the available mode options listed on the following pages. Briefly pressing the MODE button will step through these operational modes in the listed order, and you will see the icon for each mode along with its current setting on the display. Use the SNAP button to select the desired setting for any mode. If you make no changes, and the SNAP or MODE button is not pressed within 5 seconds, the camera will return to normal operation and display.

## Using the Operational Modes (Bold indicates default settings)

Mode	Icon	Settings	Description
Video	Video Camera	<b>OFF</b> , High (640x480 pixels per frame, 29 fps), Low (320x240 pixels)	Select "Hi" (recommended) or "Lo" video resolution instead of "OFF" to put the camera in video mode. Wait a few seconds for the camera to automatically return to the normal display, then begin shooting by pressing SNAP. The counter will show the elapsed time while recording the video clip. Press SNAP again to stop shooting. The counter will advance by one, indicating the video file has been saved. Return to the video mode setting and select OFF to reset the camera to still photo mode.
Quality	Hq or Lq	<b>High</b> , Low	Select "Hi" (recommended) or "Lo" quality to choose the amount of file compression, which affects the size of the photo file. "Lo" allows more photos to be stored in memory, but at reduced quality.
Resolution	Hi or Lo	High (2.0MP*), <b>Low</b> (1.3 MP) <i>*via software interpolation</i>	Select "Hi" or "Lo" resolution, based on your preference for more detailed photos (Hi) or being able to take a greater number of photos (Lo).

## Using the Operational Modes

Mode	Icon	Settings	Description
Line Frequency	60 or 50	<b>60</b> Hz, 50 Hz	Set to match the AC power frequency (cycles) of your country. This ensures that stills and videos shot under fluorescent lighting appear normal.
Continuous	CT	<b>OFF</b> , 3, 5	Select 3 or 5 frames to shoot a rapid series of photos instead of a single frame when SNAP is pressed (in normal still photo mode). To cancel, enter this mode again and select OFF.
Memory Access	MEM	<b>Sto</b> (USB Mass Storage), PC (USB Camera)	Select "Sto" to access the SD card files when the camera is connected to a computer with the USB cable. "PC" allows the camera to be used as a live USB/PC camera (note that the 8x magnification and lack of close focus capability limits usefulness in most size rooms.)
Delete Last	LSt+Trash Can	None-press SNAP to delete the last photo or video	Select this mode and press SNAP to delete only the last photo or video you took. The counter will go down one number.

## Using the Operational Modes

Mode	Icon	Settings	Description
Delete All	ALL+Trash Can	None-press SNAP to delete all photo and video files	Select this mode and press SNAP to erase the entire memory contents (the counter resets to zero). Use this after downloading your files, to clear the memory so you can take new photos. If "Delete All" is selected accidentally, simply wait a few seconds and the camera will return to normal operation.
Format	FOr+Trash Can	None-press SNAP to format card or internal memory	If you are using a new SD card, or one previously used in other devices, we recommend you select Format and press SNAP before you start taking photos, to the card is setup with the correct data file system for this camera. <b><i>Note that formatting a card erases its contents-please be sure you have backed up any previous files first.</i></b>
Self-Timer	Clock	<b>OFF</b> or On	Photo is taken after a 10 second delay when SNAP is pressed (in normal still photo mode.) This can be used to avoid accidentally shaking the camera when the SNAP button is pressed. If the remote shutter cable is available, it should be used instead of the self timer when the camera is tripod mounted. The timer automatically cancels after use.

# Using the ImageView with Your Computer

1. The camera will be recognized as a USB mass storage device, which means no special drivers are required for all operating systems later than Windows 98 (Me, 2000, XP, Vista, and Windows 7.) Mac OS 9 and OSX are also compatible.
2. If you have a computer OS as listed above that is USB mass storage compliant, a new disc icon will appear in Windows Explorer (under "My Computer") as a new "Removable Disc" after plugging in the USB cable from the Imageview. Mac users will see the new disc device appear on their desktop. Clicking on the new disc icon will show the contents, a folder named "DCIM."The image folder inside this contains your photos, stored as JPEGs (.jpg file format). They may then be viewed, edited, renamed and saved using any photo or graphics software that accepts .jpg files.
3. After you have copied or opened and saved the photo files to your computers hard drive, you may disconnect the Imageview camera (NEVER disconnect the camera while files are still being transferred to your computer.) Before disconnecting, you should "eject" or stop the "removable disc" representing the camera to avoid an error message (not necessary with Windows XP or later OS).
4. See the following pages for full step by step instructions to download your photos.

## System Requirements

Operating System: Windows® 2000/ME/XP/Vista/Windows 7  
(Windows 98 is not supported) or Mac OS 9 / OS X

Internal USB Port

## Downloading the Photo/Video Files

1. Connect the supplied cable to the ImageView's USB port, then directly to a main USB port on your computer-do not use front panel/keyboard USB ports or unpowered "hubs".
2. The LCD display will indicate "STO", and the ImageView will be recognized as a standard "USB Mass Storage" device. This means that the camera files can be easily viewed, edited, or copied to your hard drive, just as if they were stored on an external hard drive or a CD-ROM. (Note for Mac users: you may need to select "STO" memory access and plug in the ImageView while its LCD still displays "STO" for it to appear on the Mac desktop as an "Untitled" disk. See "Using the Operational Modes")
3. *(This step is not required with recent Windows operating systems, simply use the options in the pop-up window to view, copy or edit your photos).* Open My Computer or Windows Explorer. The camera will be seen as a new "Removable Disk" with an unused drive letter assigned to it. Double click this new "Disk" icon, open the "DCIM" folder inside, then the folder(s) inside that ("100MEDIA", etc). Your photos/videos are the files inside-they have the prefix "SUNP" followed by a 4-digit number, as seen earlier on the camera's display when you review photos. Single clicking any file should show a small preview image.
4. Click "Edit>Select All" (or click on one photo, control+click to select multiple photos), then "Edit>Copy to Folder" (in Windows menus). Select an existing folder on your hard drive, such as "My Pictures", or create a new folder ("Hawaii Vacation",

## Downloading the Photo/Video Files

etc), then click “OK” to transfer copies of the photo files you want.

5. After the photos are transferred to your hard drive, you can disconnect the camera. Windows 2000 may produce a screen warning that you have disconnected a USB device without stopping or ejecting the “disk” first (your photo files will not be harmed). If so, check the box that adds an icon to your system tray or taskbar. Then next time you finish transferring photos, you can click that icon first, and “Stop the USB Mass Storage Device” before disconnecting the 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.*)
6. You’re now ready to open the photo files in any photo editing software. Just use File>Open and go to the folder where you stored the photos earlier. It is also possible to open and work with your photos directly from the ImageView while it is still connected. If you choose to work this way, from a connected camera, be sure that you save the photo (when you are done editing) to your hard drive, and not the camera’s memory or card. If you are new to photo editing on a computer, consult your software’s Help menu for tips on using its features. Along with adjusting the brightness, contrast, sharpness and color of your photos, you can resize the photo to fit the paper if you are printing, or save a smaller, low or medium resolution version for email or inserting into documents. When you are ready to save your edited file, you may want to use “Save As” and give it a more descriptive name than “SUNP\_\_\_”. Doing this also preserves the original file as a backup to reopen and re-

## Downloading the Photo/Video Files

edit later. Make sure you have successfully transferred all the photos you wanted to save before using “Delete All” on your camera to make room for new images.

## Binocular Instructions

Your Bushnell binocular is a precision instrument designed to provide many years of pleasurable viewing. This portion of the booklet will help you achieve optimum performance by explaining how you can adjust the binocular to your eyes, and how to care for this instrument. Read the instructions carefully before using your binocular.

### Adjusting the Binocular IPD

The distance between the eyes, called “interpupillary distance,” varies from person to person. To set the hinge for your personal IPD:

Hold the binocular in the normal viewing position, with a firm grip on each side. Move the barrels closer together or further apart (*Fig. 2*) until you see a single circular field. Always re-set your binocular to this position before using.



**FIG. 2** INTERPUPILLARY DISTANCE

# Binocular Instructions

## Focusing/Diopter Adjustment

As individual eyesight varies from one person to another, your binocular has an adjustable diopter feature which allows you to fine-tune the binocular to your vision. To set the diopter and focus the ImageView's binocular:

1. Adjust the hinge for your interpupillary distance as described in "Adjusting the Binocular IPD".
2. Set the "diopter adjustment" to zero (*Fig. 3*).
3. Keep both eyes open at all times.
4. Using a lens cover or your hand, cover the objective (front) lens of the right side of the binocular.
5. Using the center focus wheel, focus on a distant object with fine detail (e.g., brick wall, tree branches, etc.), until it appears as sharp as possible through the left side of the binocular.
6. Uncover the objective lens on the right side, cover the left objective lens, then view the same object.
7. Turn the "diopter setting" adjustment ring, until the object is sharp for your right eye. Caution should be used as over turning or forcing the diopter eyepiece may damage the binocular.
8. Your binocular should now be adjusted for your eyesight. Focus at any far or near distances can now be attained simply by turning the center focus wheel. Make a note of your diopter setting for reference.



FIG. 3 DIOPTR ADJ.

# Binocular Instructions

## Eyecups

The ImageView binocular is fitted with rubber roll-down eyecups designed for your comfort and to exclude extraneous light. If you wear glasses, roll down the eyecups. This will bring your eyes closer to the ocular (eyepiece) lenses, so you can more easily view the entire image without any cutoff.

## Storage, Cleaning And General Care

Your Bushnell ImageView will provide years of trouble-free service if it receives the normal care you would give any fine optical instrument. The Imageview is not waterproof, and should not be exposed to any source of moisture. Water damage is not covered by the warranty.

1. When storing your ImageView binocular, put the eyecups in their "up" position. This avoids excessive stress and wear on the eyecups (if left in the down position).
2. Avoid banging and dropping.
3. Store in a cool, dry place.
4. **WARNING:** Looking directly at the sun with your binocular can cause permanent eye damage.
5. Never expose your ImageView binocular to any type of excessive liquid or fluid, as it is not water/fogproof.
6. Take the batteries out of your ImageView if you are not going to use it for a long period of time.

## CLEANING

1. Blow away any dust or debris on the lens (or use a soft lens brush.)
2. To remove dirt or finger prints, clean with a soft cotton cloth rubbing in a circular motion. Use of a coarse cloth or unnecessary rubbing may scratch the lens surface and eventually cause permanent damage. A “microfiber” cleaning cloth (available at most photo dealers) is ideal for the routine cleaning of your optics.
3. For a more thorough cleaning, photographic lens tissue and photographic-type lens cleaning fluid or isopropyl alcohol may be used. Always apply the fluid to the cleaning cloth – never directly on the lens.

## 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:**

Bushnell Outdoor Products  
Attn.: Repairs  
9200 Cody  
Overland Park, Kansas 66214

**IN CANADA Send To:**

Bushnell Outdoor Products  
Attn.: Repairs  
25A East Pearce Street, Unit 1  
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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## **FCC Note:**

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 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.



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For further questions or additional information please contact:

Bushnell Outdoor Products  
9200 Cody, Overland Park, Kansas 66214  
(800) 423-3537 • [www.bushnell.com](http://www.bushnell.com)

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