



Bushnell®

IMAGEVIEW®



Instruction Manual

Model#: 111211
LIT. #: 98-0921/03-07



WARNING

Make sure you download any pictures from your camera **BEFORE** removing or changing batteries, unless you have been using an SD card rather than the internal memory for photo storage. We recommend you download all current photo files for safekeeping before storing the ImageView away if you are not using an SD card in the camera, in case the batteries become depleted during extended storage.

WARNING

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

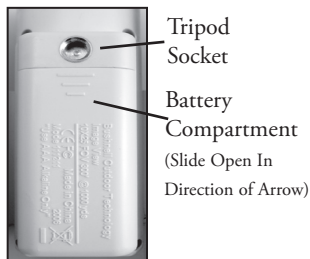
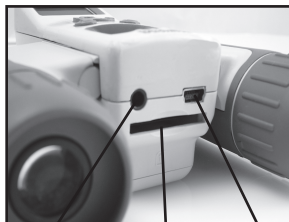
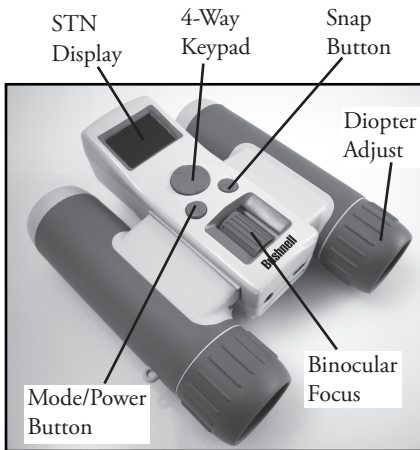
NOTE: To reset the camera if you experience problems or if the display becomes unresponsive, remove the batteries for at least one minute, then re-install them. This may result in the loss of all photos/videos stored in the internal memory.



Congratulations on your purchase of the Bushnell ImageView[®] 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 picture using the included software 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.



Camera and Binocular Parts Guide





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 meter on the display will indicate battery condition when the camera is in use.

2. Insert an SD card ("upside down" with metal contacts facing up) in the card slot if expanded file storage is desired. Gently push the card in until it stops. To remove, simply pull the card straight out. Make sure the camera power is off when inserting or removing a card. You may use SD cards (not MMC cards) up to 1 GB capacity. The camera has 8 MB of internal memory which can hold over 100 photos, so a card is not necessary. However, the internal memory contents will be lost if the batteries are removed or die-unlike photos stored on an SD memory card. A card icon is seen in the top right of the display when the camera is turned on, if a card is inserted

3. Press and release the MODE button to turn on the camera. The "live preview" display will come on a second or two later. 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 a USB cable, the camera will turn on automatically, and draw power from the computer with no battery drain.*

4. Hold the ImageView steady and press SNAP to take a picture. The camera focus is preset to take sharp photos from approximately 35 feet to infinity. To turn off the camera, hold down the MODE button.

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.



Using the Optional Settings and Special Features

Your ImageView is already set to high resolution and quality right out of the box, and it is not necessary to make any special setting-you will normally get good photos by simply pressing the SNAP button. However, as you might want to shoot a video clip, delete a previous photos, or explore other options, we recommend you review the available optional settings listed on the following pages.

To see and set these optional settings and special features, begin by briefly pressing the MODE button-the display will show the main screen with these icons: a battery condition meter, card icon (when an SD card is used), and the current settings for resolution (one or two stars) and quality (HQ or SQ). At the top center of the display, you will see a number which indicates the remaining photo capacity, based on available unused memory in internal RAM or the SD card (if a card is inserted, all photos will be stored onto it from that point on).

To use the special features (self timer, video clip record, and sequence shot), press the MODE button again while the main screen is still showing (it will "time out" and return to normal live preview if no buttons are pressed in 5 seconds). Each time you press the MODE button, the icon for the next feature will appear, until you return to the main screen again. To use a feature (video record, for example), you must press SNAP while the feature's icon is displayed. See "**Special Features**" for more details on each feature.



Using the Optional Settings and Special Features

To change settings such as resolution and quality, press the MODE button once so that the main screen is displayed. Next, press the "down" button on the 4-way keypad. You will see the first setting screen, resolution. You have two options, high (VGA-recommended) or low resolution. To toggle between these two settings, press the "up" button on the 4-way keypad. The icon for resolution will change from two stars (high res) to one star (low res). After choosing a setting, press MODE to go to the next screen, the quality setting. Again, use the "up" button to select your preferred quality (HQ-recommended) or SQ. The remaining two option screens, for USB mode and line frequency, operate the same way. See "Settings/Options" for more details on each of these.

The inset display is an STN type, as found on many cell phones. As its quality is not comparable to more expensive LCD displays, it is intended primarily for icon display, and basic review-to verify that you took a photo you intended to, or find a previous photo and delete it. To review photos, press the "left" button on the 4-way keypad. Then press the "up" button to scroll through the photos. To delete only the currently displayed photo, first press the "down" button, then use the "up" button to select the checkmark icon (or the "X" icon to cancel and not delete if you press "down" by accident), then press the "down" button to delete the photo. To delete all of your photos while reviewing them, press MODE, then the "up" button to select the checkmark icon, then the "down" button to delete all files in internal memory (or the SD card if one is in the card slot).

From the live preview display, or any other screen, pressing the "right" button on the 4-way keypad will turn off the display, useful for saving battery life without turning off the entire camera. Press the right button again to return to the previous display. Pressing the right button on the keypad twice is also a simple way to exit any screen, rather than wait for it to time out.



Special Features

Mode	Icon	Settings	Description
Self-Timer	Clock	10 sec delay	Press SNAP while clock icon is showing, a photo will be taken after approx. 10 sec delay. 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.
Video	Video Camera	320x240 pixels per frame, 10 fps rate.	Press SNAP while the video cam icon is showing-recording starts in a few seconds. A red icon appears in the lower left corner when shooting or playing back a video clip. After 10 seconds, recording automatically stops and the camera returns to normal photo mode. Press SNAP if you wish to stop recording sooner.
Sequence Shot	Three overlapping frames	3-shot photo sequence	Press SNAP while the sequence icon is showing to shoot a series of 3 photos instead of a single frame. After taking the series of photos, the camera returns to normal operating mode.



Settings/Options (**Bold** indicates default settings)

Mode	Icon	Settings	Description
Resolution	2 Stars (High) or 1 Star (Low)	High (640x480 pixels), Low (320x240 pixels)	Select High (recommended) or Low resolution, based on your preference for better looking photos (High) or being able to take a greater number of photos (Low).
Quality	HQ or SQ	High , Standard	Select "HQ" (recommended) or "SQ" quality to choose the amount of file compression, which affects the size of the photo file. "SQ" allows more photos to be stored in memory, but at reduced quality.
USB Mode	Computer or Camera	USB Mass Storage or PC Camera	Select the computer icon (USB mass storage) so that photos can be downloaded from the internal or card memory when connected to a PC with the USB cable. PC Camera turns the Imageview into a live "webcam"-although this may be of limited use due to its lack of close focus ability (and 8x magnification!)
Line Frequency	60 or 50	60 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.



USING THE IMAGEVIEW WITH YOUR COMPUTER:

1. The camera will be recognized as a USB mass storage device (if it is set to "STO" and not "PC"), which means no special drivers are required for all operating systems later than Windows 98 (Me, 2000, XP, Vista.) Mac OS 9 and OSX are also compatible. If you have a PC running Windows 98, you must install the driver found on the included CD-ROM BEFORE CONNECTING THE CAMERA TO YOUR PC.
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. If you do not have software that will open .jpg files, you should install Roxio Photosuite 5 (Windows 98, 2000 or XP only) from the included CD-ROM. See "Software Installation" for instructions.
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).
4. See the following pages for full step by step instructions for downloading your photos to a computer.



System Requirements (Minimum)

OS: Windows® 98/98SE/2000/ME/XP/Vista (PhotoSuite 5 is not compatible with Vista)

CPU: MMX Pentium® 200MHZ equivalent or faster (Pentium® III 500 MHz for PhotoSuite5™)

Memory: 32MB minimum (64MB recommended for PhotoSuite)

SVGA video card w/2MB VRAM, 800x600 screen display, 16 bit High color

200 MB available hard disk space (if installing PhotoSuite)

Internal USB Port

Software Installation

If you are using Windows 98, you must install drivers before connecting the camera to your PC. Insert the CD-ROM into your computer's CD drive; it will auto-run and the install screen will be displayed. Select "Install Driver", then follow the directions. After installation, restart your computer. Windows 2000, ME, and XP do not require drivers, as the camera uses the USB mass storage standard, allowing the photo files to be accessed as if they were stored on an external hard drive. For any Windows OS, if you are not already using photo editing software you prefer, you may install Roxio PhotoSuite® from the CD-ROM. Be sure to read the "Release Notes" completely, noting any tips or potential issues relevant to your PC configuration and OS.

Note: With Windows Vista, you may encounter error or warning messages ("file missing", etc) while installing PhotoSuite 5, but clicking "OK" and proceeding should allow the installation to finish.



CAUTION: Make sure you download all photos/videos from your camera's internal memory before removing the batteries.

Transferring The Photos & Videos to Your PC - Step by Step

1. Be sure the driver has been installed first if you are on Windows 98/98SE.
2. 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".



Transferring The Photos & Videos to Your PC continued

3. The LCD display will indicate “USB” along with a hard drive icon, 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.

4. *(This step is not required with Windows XP, 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 (“100IMAGE” ,etc). Your photos/videos are the files inside-they have the prefix “IMG__” followed by a number, same as seen earlier on the camera’s display when you review photos. Single clicking any file should show a small preview image.

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

6. 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, you should “eject” the “disk” that appeared on your desktop when the camera was connected.)*



Transferring The Photos & Videos to Your PC *continued*

7. 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. If you are using PhotoSuite, select File>Open Photo, then use the "Look in" pull down menu at the top of the Open window, select "My Computer", select your hard drive, and double click any photo in the folder where you copied the files from the camera. It is also possible to open and work with your photos directly from the ImageView while it is still connected. To do this with PhotoSuite, first follow steps 1-3, then open PhotoSuite, select File>Open Photo and use the "Look in" menu to select My Computer, then select the "Removable Disk", and open the folders inside until you get to the JPG photo files. 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. To do this in PhotoSuite, after clicking "Done", answer "Save Changes?" with "Yes", but then answer "Replace Existing File"? with "No" and use the "Save As" dialog box to save the edited photo in a folder on your hard drive ("Save In>Local Disk"), not the "Removable Disk" (camera).

8. If you are new to photo editing on a computer, consult your software's Help menu (PhotoSuite has extensive built-in Help) 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 "IMG___". Doing this also preserves the original file as a backup to reopen and re-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.



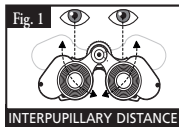
BINOCULAR INSTRUCTIONS

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.

EYE ADJUSTMENTS (Figure 1)

How to Adjust For Distance Between Your Eyes

The distance between the eyes, called “interpupillary distance,” varies from person to person. To achieve perfect alignment of lens to eye, follow these simple steps.



1. Hold your binocular in the normal viewing position.
2. Grasp each barrel firmly. Move the barrels closer together or further apart until you see a single circular field. Always re-set your binocular to this position before using.

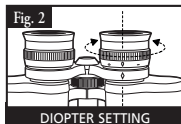
How to Adjust For Individual Eye Strength

As individual eyesight varies from one person to another, most Bushnell binoculars have a diopter setting feature which allows you to fine-tune the binocular to your vision. Follow the focusing instructions below for your type of binocular.



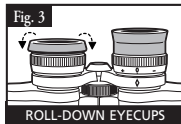
FOCUSING

1. Adjust interpupillary distance. (Figure 1)
2. Set the “diopter setting” (Figure 2) to zero and view a distant object.
3. Keep both eyes open at all times.
4. Using a lens cover or your hand, cover the objective (front) lens of the same side of the binocular that has the “diopter setting.” This is usually the right side. (The left side on zoom models.)
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.
6. Uncover the objective lens on the diopter side, cover the other objective lens, then view the same object.
7. Using the “diopter setting” adjustment ring, focus the same object being viewed. Caution should be used as over turning or forcing the diopter eyepiece can cause damage or cause the eyepiece to break away from the chassis.
8. Your binocular should be adjusted for your eyes. Focus at any far or near distances can now be attained simply by turning the center focus wheel. Make a note of the diopter setting for your eyes for future reference.



EYECUPS (Figure 3)

Your Bushnell binocular is fitted with rubber roll-down eyecups designed for your comfort and to exclude extraneous light. If you wear sun/eyeglasses, roll down the eyecups. This will bring your eyes closer to the binocular lens thus providing improved field of view.





INSTRUCTIONS FOR CARE OF BINOCULARS

Your Bushnell binocular 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. If your binocular has roll-down, flexible eyecups, store it with the eyecups up. This avoids excessive stress and wear on the eyecups 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. (Make sure you download any pictures from your camera before you remove the batteries out of the camera.)

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: IN CANADA Send To:

Bushnell Outdoor Products
Attn.: Repairs
8500 Marshall Drive
Lenexa, Kansas 66214

Bushnell Performance Optics
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 Performance Optics GmbH
European Service Centre
MORSESTRASSE 4
D- 50769 KÖLN
GERMANY
Tel: +49 (0) 221 709 939 3
Fax: +49 (0) 221 709 939 8

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.

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





NOTES



**FR****Participons à la protection de l'environnement !**

- ① Votre appareil contient de nombreux matériaux valorisables ou recyclables.
- Confiez celui-ci dans un point de collecte ou à défaut dans un centre service agréé pour que son traitement soit effectué.

**UK
IE****Environment protection firsts !**

- ① Your appliance contains valuable materials which can be recovered or recycled.
- Leave it at a local civic waste collection point.

**DE
AT****Schützen Sie die Umwelt!**

- ① Ihr Gerät enthält mehrere unterschiedliche, wiederverwertbare Wertstoffe.
- Bitte geben Sie Ihr Gerät zum Entsorgen nicht in den Hausmüll, sondern bringen Sie es zu einer speziellen Entsorgungsstelle für Elektrokleingeräte (Wertstoffhof).

BE**Participons à la protection de l'environnement !**

- ① Votre appareil contient de nombreux matériaux valorisables ou recyclables.
- Confiez celui-ci dans un point de collecte ou à défaut dans un centre service agréé pour que son traitement soit effectué.

Samen het milieu beschermen !

- ① Uw toestel bevat meerdere recycleerbare materialen
- Breng deze naar een containerpark of naar een erkend service center, bevoegd voor de recycling.

DK**Vi skal alle være med til at beskytte miljøet!**

- ① Apparatet indeholder mange materialer, der kan genvindes eller genbruges.
- Bring det til et specialiseret indsamlingssted for genbrug eller et autoriseret serviceværksted, når det ikke skal bruges mere.

ES**¡ ¡ Participe en la conservación del medio ambiente ! !**

- ① Su electrodoméstico contiene materiales recuperables y/o reciclables.
- Entréguelo al final de su vida útil, en un Centro de Recogida Específico o en uno de nuestros Servicios Oficiales Post Venta donde será tratado de forma adecuada

FI**Huolehtikaamme ympäristöstä!**

- ① i Laitteesi on varustettu monilla arvokkailla ja kierrätettävillä materiaaleilla.
- Toimita laitteesi keräyspisteeseen tai sellaiseen puuttuessa vaikka valtuutettuun huoltokeskukseen, jotta laitteen osat varmasti kierrätetään.

GR**Ας συμβάλουμε κι εμείς στην προστασία του περιβάλλοντος!**

- ① Η συσκευή σας περιέχει πολλά αξιοποιήσιμα ή ανακυκλώσιμα υλικά.
- Παραδώστε τη παλιά συσκευή σας σε κέντρο διαλογής ή ελλείψει τέτοιου κέντρου σε εξουσιοδοτημένο κέντρο οέρβρις το οποίο θα αναλάβει την επεξεργασία της.

PR**Proteção ao meio ambiente em primeiro lugar!**

- ① Seu aparelho inclui materiais valiosos, que podem ser reciclados ou recuperados.
- Deixe-o em um ponto de coleta de resíduos local.



Bushnell[®]
OUTDOOR
TECHNOLOGY

INNOVATION THAT THRIVES OUTSIDE

For further questions or additional information please contact:

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