

Bushnell®

IMAGEVIEW®



Instruction Manual

Model #s: 110833/110834
Lit.#: 98-0917/02-07

Congratulations on your purchase of the Bushnell® 3.2 Megapixel ImageView™! Your ImageView digital binocular is ideal for all sporting events and nature observation, as it combines a high quality 8 power compact binocular with a versatile 3.2 megapixel digital camera (with option for 4 MP effective resolution via software interpolation) which also features video capability. Your Imageview has a “dual personality”, capable of taking high resolution digital still photos as well as shooting video, with maximum recording time limited only by the capacity of the memory card you use. The photos and videos are both automatically stored in the internal memory, or on an optional SD (Secure Digital) card, and can be instantly reviewed on the flip-up LCD, or downloaded to your computer without the need to install any special software (With Windows 2000, XP, Vista or Mac OSX. A driver is provided for Windows 98/98SE).

Before using your new ImageView, please read the instructions contained in this manual and take time to familiarize yourself with the camera's operation and many great features.

Note: ImageView models 110833 and 110834 share identical specifications, features, and operation. Only the body styling and appearance are different. Model# 110833 is used for closeup illustration purposes in this manual.

QUICK GUIDE: BUSHNELL IMAGEVIEW 110833/110834

1	Install Batteries & (optional) SD Card	Insert 2 AAA batteries (see “Specifications”) into the battery compartment on the bottom of the camera pod (Note polarity indication inside). An SD memory card (optional, use up to a 1 GB card) for increased photo storage capacity may be installed in the card slot, located at the back of the camera pod (Insert card with label side facing down, pushing lightly until it clicks into place. Push the card lightly in again to remove).
2	Turn On the Camera	Raise the LCD display, pulling up at the indented areas on each side. Press and hold the POWER button until the red power LED stays on, then let go. You will see a “Clock Set” screen when the camera is used for the first time-refer to “Camera Setup” for details on setting the date and time, or press the Menu button with “Cancel” still selected to set this later. Press “Display” to turn the LCD back on -you will see a “live” preview of the image from the camera lens, located between the binocular objective lenses. You can also manually turn the display off by pressing the Display button-it does not need to be on to take a photo. The entire camera will automatically turn off after one minute (this can be changed using the “Auto Off” option in the Setup menu) if it has been inactive (no buttons pressed). To turn power off manually, press and release the POWER button. The default camera settings will provide optimum quality under most conditions.
3	Format the SD Card (optional)	If you inserted an SD card earlier, format it before beginning to take photos if you are using it in the ImageView for the first time. Press the View button below the LCD display. Press the Menu button in the center of the silver keypad. Press the Down arrow key once to select “Format”. Note the warning that this will erase all data on the card-make sure you have downloaded all photos from a previously used card. Press the Right arrow key, to select “OK”. Press Menu to format the card (display shows “Formatting”). When the display reads “No File”, press the View button to return to the live preview display mode.
4	Set the Binocular Optics for Your Eyes	Roll down the rubber eyecups if you are wearing glasses. Adjust the spacing between the left and right binocular tubes while looking through the binocular until the view appears as a single circular image. Then, find a distant object with fine detail, and adjust the center focus knob until the object appears sharp through the left eyepiece . Now look through the right eyepiece only. If the object does not appear equally sharp, rotate the right eyepiece (diopter adjustment) until it is also sharp. Once set, you no longer need to move this diopter adjustment, and may simply focus using the center focus knob.



QUICK GUIDE: BUSHNELL IMAGEVIEW 110833/110834

5	Take A Photo or Shoot A Video Clip	Hold the camera steady with both hands and press the SNAP button to take a still photo. You will hear a “beep” (this can be turned off), followed by a brief pause (“SNAP Processing..” displayed) as the camera stores the photo in memory. To shoot a Normal video, press the right arrow key three times until the movie camera icon appears at the top right corner of the display You can then start shooting the video at any time by pressing SNAP. To stop recording video, press SNAP again.
6	Review and Delete Photos/ Videos	To review or playback a still photo or video, press the View button. You will see the most recent still photo or video (first frame). To review previous photos or videos one at a time, press the Left arrow key. The icon at the top right corner of the display will show the movie icon if the file is a video. The numbers at the top left show the current file number/total files (2 of 3, etc). To play back a video, press the SNAP button (press again to stop playback). To see “thumbnail” images of several stored photos/videos at once, press the Right arrow key when the last photo you’ve taken is displayed. Use the Left/Right arrow keys to select an individual file, then press Display to see it full frame. To delete photos/videos, press Menu. Delete is the first option in the Review menu. Press Menu again, then select Delete One (only the currently displayed photo/video) or Delete All,. Press menu, select (highlight) “OK”, then press Menu again to delete the file.
7	Connect To A Computer & Transfer Photos	Before connecting the camera, install the driver from the CD-ROM if you use Windows 98/98SE, and install PhotoSuite if you do not already have photo editing software. Connect the supplied USB cable from the camera’s USB socket (on the back of the camera pod) to a USB port on your PC. If you have Windows XP or Vista, just follow the onscreen directions/options that automatically appear. If you have Win 98 or 2000, open “My Computer” on your PC. The camera is identified as a “Removable Disk” -your photos are in the folders inside, simply drag them or copy/paste into any folder on your hard drive. Refer to the “Transferring Photos” section of this manual.



Technical Specifications

Magnification	8x	Still Photo File Size (Resolution)	2272x1760(4 MP via software interpolation), 2048x1536 (default setting), 1280x1024, 640x480
Objective Diameter	30mm	File Compression Ratio (Quality)	1:50 (Best), 1:85 (Better), 1:95 (Standard)
Exit Pupil	3.75	Internal Memory	16MB Flash Memory (NAND)
Field of View	320 ft @ 1000 yds	Memory Expansion	Secure Digital Card , up to 1 GB capacity
Eye Relief	13mm	File Format (Still/Video)	JPEG/AVI
Lens Coating	Fully Coated	File Management	DCF (version 1.0), FAT 16 Format
Prism Type	Roof, BK-7 glass	LCD	1.5" TFT
Focusing Range (binocular)	14' - infinity	Video Resolution/Frame Rate	320x240 pixels per frame / 9 fps.
Weight	14.9 oz / 422 g	Color	24-bit color
Sensor Type	CMOS	Exposure Value Range	+/- 2 EV in 0.5 EV steps
Effective Pixels	3.2 Megapixels	White Balance Options	Auto, Daylight, Cloudy, Fluorescent, Tungsten
Shutter	Electronic, 1/16 to 1/1000 seconds	Menu Languages	English, French, Spanish, Italian, German, Chinese
Focusing Range (camera)	Fixed, approx 30' - infinity	Auto Power Off (after inactivity)	1, 2, or 3 minutes or Disabled per Setup menu
Lens Aperture	f/5.6	Power Supply	2xAAA Batteries, Alkaline/Lithium/NiMh type

Camera and Binocular Parts Guide

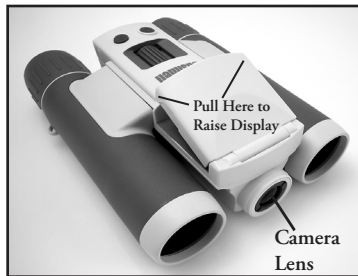
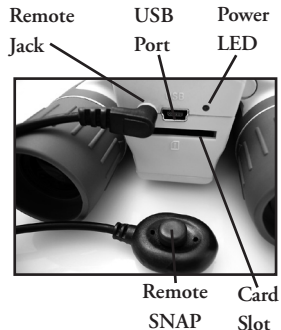
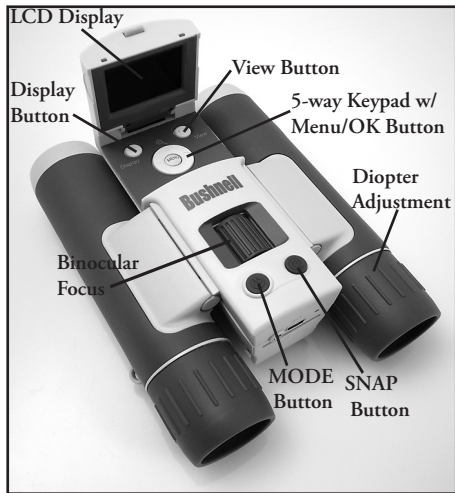
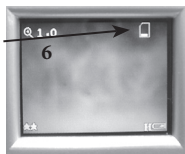




Photo Preview Display

LCD Preview Display Icons

The 3 “additional feature” icons appear next to the memory icon (press the right arrow key to cycle thru these, press again after movie mode to return to normal mode)



Additional Feature Icons

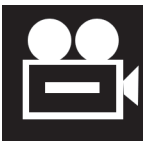
7



8



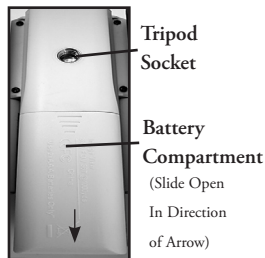
9



#	Icon
1	Battery Indicator (<i>low battery shown</i>)
2	Resolution setting (<i>Very High, High, Medium, Low</i>)
3	Remaining Memory (<i>fills in solid as internal or card memory is used</i>)
4	# of Photos/Videos Taken
5	Quality/File Compression (<i>***Best / **Better / *Standard</i>)
6	Digital Zoom magnification (<i>1.0x-3.0x. range 1.0x=no digital zoom</i>)
7	Self Timer (<i>10 sec snap delay</i>)
8	Rapid Sequence (<i>3 shot burst</i>)
9	Video Mode (<i>records until stopped or out of memory</i>)

Loading Batteries

Turn the ImageView over, and slide open the battery cover as indicated by the arrow, then tilt it up on its hinges. Insert 2 AAA Alkaline or Lithium batteries into the compartment in the direction indicated by the diagrams inside, then tilt the cover down again and slide it back into place until it clicks. *Note: Rechargeable NiMh type batteries may also be used, but some may not deliver adequate current to power the ImageView. AAA NiMh batteries with a current rating of 850 mAh or higher are recommended.*



Inserting An SD Card

The camera can store from about 15 (at 2272x1760 resolution and best quality) up to well over 300 photos in the 16 MB internal memory, depending on resolution and quality settings (refer to the chart at the back of this manual). To expand the available storage, you may add an optional SD (Secure Digital) memory card, with 1GB or smaller capacity (256MB, 512MB etc). MMC cards, which look similar to SD cards, are not recommended. The card is inserted into the slot on the back of the camera pod, with the “notched” corner on the left as indicated by the card icon below the slot. Insert the SD card with the label side facing down. *Note: be sure the power is turned off before inserting or removing cards to prevent possible loss of files or damage to the card.* A new card will not require formatting, but a card that has been previously used in other devices (cameras, PDAs, etc) should be formatted by the ImageView before beginning to take photos or videos (see the “Review Menu” section for how to do this). **Note that formatting will erase all files previously stored on the card, so be sure they have been downloaded or copied first if you wish to keep them.**

Basic Binocular and Camera Setup

Before taking photos or videos, take a few moments to set up the ImageView for your individual eyesight and user preferences. Leave the rubber eyecups in their “up” position if you are not wearing glasses, or roll them down if you are. Grasp the left and right sides of the binocular, and pull them apart or push them together while looking through the binocular to adjust the eyepiece spacing until your view is a single circular image. Find a distant object with fine detail (tree, sign, brick wall, etc), and adjust the center focus knob until the object appears sharp when viewed through the left binocular eyepiece only. Then, looking at the same object through just the right side of the binocular, simply rotate the right eyepiece until the image is equally sharp for your right eye. This is called the diopter adjustment, and compensates for any difference in sight between your left and right eyes. Once set by following this initial procedure, you may leave the diopter adjustment alone and just use the center focus knob to bring objects at any distance into sharp focus through the binoculars (the minimum focus distance is about 15 feet).

Your digital photos and videos are not affected by the center focus knob, as the camera lens located between the binocular objective lenses does not require focusing. It is preset so that objects ranging from approximately 50 feet to infinity will be in focus. Note that the binocular is capable of focusing closer than the camera. Check the live preview image on the LCD display to make sure you are far enough away to ensure sharp photos. The camera lens provides 8x magnification, which is the same as the binocular’s optics, and is aligned so that an object centered in the binocular’s view will also be centered in your photos or videos. Therefore, it is not necessary to have the LCD turned on or even raised while you are shooting photos or videos. Reducing use of the LCD will extend battery life significantly.

You may want to go into the camera’s menu and set the correct date before using the camera for the first time. Raise the LCD display and press the power button. After the startup display comes on, then goes out, press “Display” to turn the preview screen on. Press Menu. Press the Down arrow key 5 times to highlight the “Setup” submenu, then press Menu again. Use the Down arrow key to select “Clock Set”, and press Menu. Select “OK”, then press Menu again. Now set the Year, Month, Date, Hour, Minute and Second, using the Up/Down arrow keys to make changes, and the Right key to move to the next item. Once date & time are set, press the Menu button. Press the Down arrow key twice to highlight “Date Stamp”, press Menu, then highlight your preference using the left/right keys: Off (no date will imprint on your photo files), Year-Month-Day order, or Month-Day-Time order of appearance. Press Menu, then keep pressing the down arrow key until you see “Exit” in the Setup submenu, press Menu, then go down to “Exit” in the main menu, and press Menu again to return to the preview display.

Taking Still Photos

After following the initial setup as described in the previous pages, you are ready to take a photo:

- 1) Raise the LCD and press the Power button for 2-3 seconds (red LED lights, startup screen appears). Press the Display button to turn on the LCD again if you want to see a preview of the image or check menu settings, battery condition, etc.
- 2) The ImageView will default to high resolution and quality settings, as well as “everything on automatic” when it is turned on for the first time, so you can take excellent photos right away. If you prefer to use different settings, refer to the section “Using the Main Menu” for directions regarding how to find and change settings such as resolution and exposure and other options.
- 3) You may compose your photo while looking through the binocular (the LCD does not need to be on to take a photo). However, for the most accurate framing, checking the LCD preview is recommended.
- 4) Be sure you are not closer than approximately 50 feet from your subject. The binocular optics will focus closer than this, but the camera focus is preset for best results with distant subjects (no focusing is necessary for the camera). The LCD may be used to verify that the subject is not too close for sharp results.
- 5) Hold the camera as steady as possible with both hands and slowly squeeze the SNAP button. The display will go dark briefly while the file is stored (“SNAP Processing.” is displayed), then you are ready to take another photo. The upper right corner of the display will briefly show the number of the photo you have just taken. The “memory used” icon at the upper right corner of the display will fill in as you use up the available internal or card memory. Once you are out, and the display indicates “Memory Full” when SNAP is pressed, you are out of memory (storage space) and should download photos you wish to keep so they may be deleted, or you may remove the filled up card and install another SD card.
- 6) Digital zoom up to 3x is available. Press the Down arrow key to zoom in (you will see the result on the LCD). Press the Up arrow key to zoom back out. No digital zoom is used (optical magnification only) when “1.0” is indicated next to the magnifying glass icon.
- 7) Press the View button if you wish to check the photo after you take it, then press it again to return to a live preview. See the section “Review Menu” for more regarding reviewing and deleting previously taken photos.

Warning: Use care during handling to avoid touching the camera lens (located in the center between binocular lenses) to prevent degrading the image quality. Clean the camera lens only with dry lens tissue or microfiber cloth. DO NOT use liquids of any type.

Shooting Videos (Setting/Using Video Mode)

- 1) Follow steps 1-4 on the previous page, “Taking Still Photos”
- 2) To change from still photo to video mode, press the Right arrow key 3 times, until the movie camera icon is displayed at the top right area of the LCD. You are now in Video Mode. Press SNAP to start recording a new video clip, and press it again to stop recording and store the video in memory. The recording time is limited only by the amount of internal or card memory currently available. You may record a single long video until you run out of memory, or multiple shorter videos by stopping and starting recording whenever you wish by pressing Snap. The counter on the upper left of the display shows the elapsed time since the recording was started.
- 3) Press the View button if you wish to check a video after you shoot it. Press the SNAP button to begin playback, press it again to stop playback. Press the Left arrow keys to review your previous video or still photo files. Pressing the Right arrow key after the last video or photo is shown will display a “thumbnail” review of multiple files-use the arrow keys to highlight the file you wish to review, then press Display to select and view it. When you are ready to return to the live preview display to shoot more videos (or stills), press the View button.
- 4) See the section “Review Menu” for more regarding reviewing and deleting previously taken videos.

Using The Main Menu and Setup Submenu

As mentioned earlier in this manual, your ImageView is already set for high resolution and quality right out of the box. Exposure, white balance, and other variables are set automatically. This means that you will get good results for most subjects and lighting without the need to go into the menus and change any settings. However, we recommend that you become familiar with the available options so that you can improve your photos if, for example, you decide they are coming out too dark (common for snow scenes with most cameras), or too green (under many fluorescent lights). Press the “Menu” button to enter the main menu. Use down or up arrow buttons to highlight an option within the menu, then press Menu if you wish to change the settings for that option. Use the Left/Right arrow to select the setting you want, then press Menu to confirm this setting. The main, or camera, menu also contains a submenu, called “Setup”, which contains the items you are most likely to need to set just once. Here are the options and settings available in the main menu and its Setup submenu.

MENU	Option	Settings	Description
MAIN	EV	-2.0 ~ +2.0 (Default= 0 EV)	Provides manual under/over exposure adjustment in 0.5 EV steps. Minus values produce darker photos, plus values lighter.
	Resolution	VH, H, M, L	Sets the desired still photo resolution in pixels. Very High (2272x1760), High (2048x1536), Medium (1280x1024), Low (640x480). Higher resolution settings produce sharper/larger prints but require more storage space in internal or card memory. Use lower settings to store more in memory, or for email, PC viewing only, etc.

Main Menu continued (Default Settings in **Bold**)

MENU	Option	Settings	Description
	White Bal(ance)	Auto , Daylight, Cloudy, Fluorescent, Tungsten	Sets the reference for neutral white, so that colors are reproduced correctly. If “Auto” does not provide good results, try the setting that matches the light source.
	Meter	Multi , Spot, Center	Sets what area of the framed subject is used to determine exposure. “Multi” uses multiple zones, “Spot” uses only the center area (good for strong backlit situations), and “Center” bases the exposure 60% on the center of the frame, 40% on the rest of the frame.
	Image Quality	Standard, Better , Best	Sets the amount of file compression, which affects the quality of the photo and the size of the file it creates. This can be used independently of Image Size to help store more photos in exchange for slightly reduced quality. “Best” produces the highest quality, but also generates larger files that fill available memory sooner (fewer photos possible).

Main Menu continued (Default Settings in Bold)

SETUP Submenu	Options	Settings	Description
	Language	English , French, Spanish, Italian, German, Chinese	Selects preferred language for all menu display screens
	Auto Off	Disable, 1 min , 2 min, 3 min	Sets the interval after the last action (pressing any button) before the camera turns off to conserve battery power. Select “Disable” to prevent auto shutoff altogether.
	Clock Set	(Cancel, OK)	Select “OK” and use the arrow keys to set (in order) the Year, Month, Date, and Hour, Minute, Second. See “Date Stamp” also
	Sound	On , Off	Turns the confirmation beep sound on or off
	Date Stamp	Off, YY-MM-DD , MM-DD-TT	Off: Date and Time are not added to the photo files. YY-MM-DD: Year/Month/Date are added to each file. MM-DD-TT: Month, Date and Time are added to each file
	60Hz/50Hz Set	60 Hz , 50 Hz	Set to the AC line frequency for your country. Affects primarily videos shot under fluorescent lighting.

Main Menu continued (Default Settings in **Bold**)

MENU	Option	Settings	Description
	Exit		Select "Exit" and press Menu to exit the Setup submenu.
EXIT			Select "Exit" and press Menu to exit the Main menu and return to the preview ("live" camera) display

Additional Features Menu

Additional Features (Press the Right Arrow Key during regular preview display)

Feature	Icon	Description
Self Timer	Clock	Photo taken after a 10 second delay when Snap button is pressed. With the ImageView mounted on a tripod, this can help prevent blur caused by jarring the camera when Snap is pressed. To take a photo at the exact time you wish and reduce camera shake, plug the included remote shutter release cable into the jack on the rear of the camera pod and press the button on the remote instead of Snap on the camera.
Sequence	Multiple Frames	3 frames taken in rapid sequence when Snap is pressed
Normal Video	Movie Camera	Camera shoots video clip when Snap is pressed, with maximum recording time limited only by the amount of available internal or card memory. The counter in the upper left corner displays elapsed minutes and seconds. Press Snap to stop recording.

Review Display Indications

#	Icon
1	Current file number (left numeral) : Total files in memory (right numeral)
2	Resolution of current review file
3	Date of photo or video file (Date feature must be setup and turned on)



Review Menu

Reviewing and Deleting Your Photos and Videos

Press “View” to enter Review mode. Use the Left arrow key to go back through the stored photos/videos. Once you are in review mode, pressing the Menu button will enter the review menu. This operates in the same way previously described in the main menu system instructions (use the arrow keypad to navigate to the desired menu option and settings, press Menu to confirm a setting), but with different menu items as shown in the following table:

Review Menu continued

Option	Settings	Description
Delete	Delete One, Delete All, Cancel	Deletes all stored files. To delete all files, (except protected-see below) highlight the “Delete All” icon and press “OK”. Then highlight “Yes” and press “OK” to delete all files currently in memory.
Format	Cancel, OK	Select OK and press Menu to format (clear) an SD card for use in the camera. Erases all previously stored files on the card. Will also erase internal memory contents.
Protect	Press “Menu” to protect the currently displayed image	Protecting a photo or video file prevents accidental erasure. Can be used together with “Delete All” to quickly delete all but one or two photos by protecting them first. Press “Menu” again when a previously protected photo is selected to unprotect it. Note: Formatting internal or card memory will erase even protected files.
Setup		Same options and settings are available as listed in the Main Menu
Exit		Exits the review menu and returns to the last selected review image.

System Requirements (Minimum)

OS: Windows® 98/98SE/2000/ME/XP/Vista (see note under “Software Installation” regarding 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, XP and Vista 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. *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 installation to complete.* Be sure to read the “Release Notes” completely, noting any tips or potential issues relevant to your PC configuration and OS.

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”.
3. The LCD display will indicate “Mass Storage”, 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.

Transferring The Photos & Videos to Your PC continued

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 (“100MEDIA” ,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.*)

Note: If your PC will not play the .avi movie files in Windows Media Player, you may need to download a newer version of Media Player or Direct X from Microsoft.com. The movie files can also be played back with the QuickTime Player, included with many computers, or available as a free download from Apple.com.

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 JPEG 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.

Photo Storage Capacity Reference (avg. capacity for settings, +/- 5 photos)

Image Size	Megapixels (approx)	Quality ¹	Internal Memory ²	64 MB SD Card
VH 2232x1760	4.1 (Interpolated)	Best	15 photos	60 photos
		Better	17	68
		Standard	22	88
H 2048x1536	3.2	Best	33	132
		Better	38	152
		Standard	49	196
M 1280x1024	1.5	Best	101	404
		Better	115	460
		Standard	150	600
L 640x480	0.35 ("VGA")	Best	283	1132
		Better	323	1292
		Standard	419	1676

Notes

¹ Selects amount of file compression

***: Best Quality (minimum compression)

** : Better Quality (medium compression)

*: Standard Quality (maximum compression)

² Internal RAM available for photo files: 16 MB

Image Size refers to the pixel dimensions, or resolution, of the digital file.

Actual storage capacity will vary based on content of each photo file. You may be able to take a few photos more or less than the listed average capacity.

Use High or Very High resolution and Best quality settings for photos you may want to enlarge or crop later. If required, they can always be reduced to a smaller file size using your photo software. Use Low or Medium and/or lower quality settings if you will only email, insert into documents, or make small prints, and do not want to resize the file later.

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
8500 Marshall Drive
Lenexa, 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 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.

©2007 Bushnell Outdoor Products

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



For further questions or additional information please contact:

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

©2007 Bushnell Outdoor Products