

620HD DVR

User Manual



Vivitar[®]
we make it easy™

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Introduction

Thank you for purchasing this camera. Everything you need to take quality digital photos and videos is included with your camera.

Vivitar makes capturing those special moments as easy as possible.

Note: Your camera needs an SD Memory card (up to 16GB) for normal use.

SD Memory cards are not included and need to be purchased separately.

Please read this manual carefully first in order to get the most out of your digital camera.

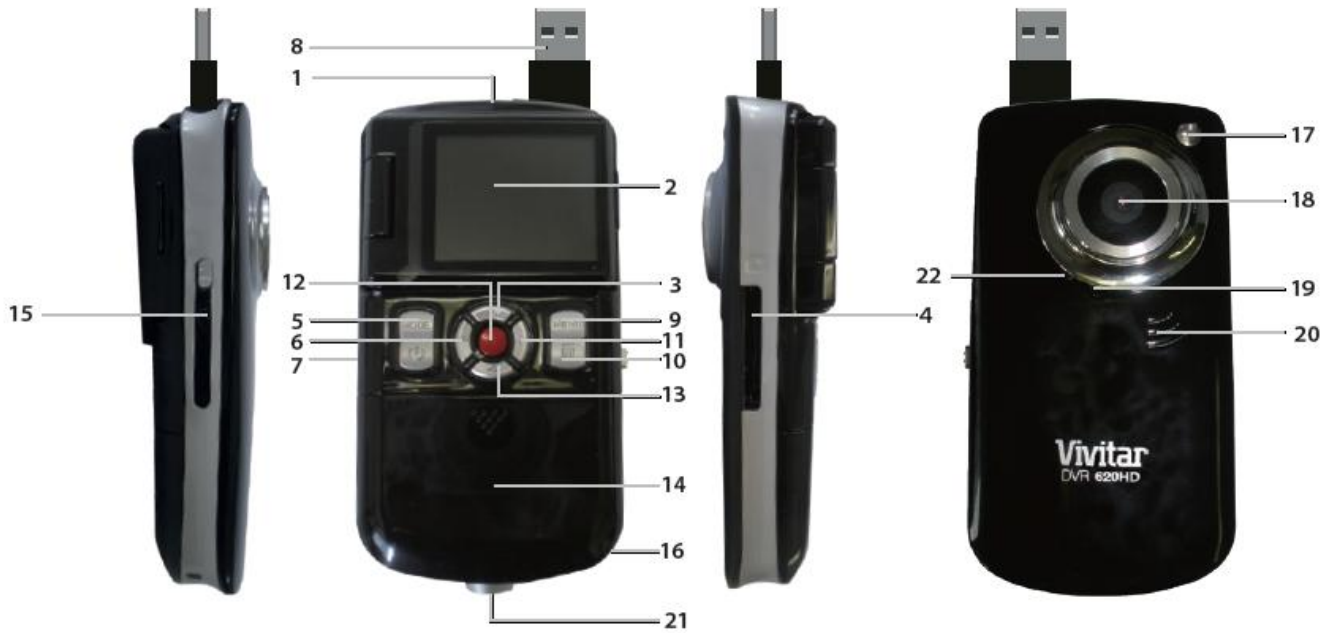
What Your Camera Includes

1. Digital Video Camera
2. AV Cable
3. Vivitar Experience Image Manager software Installation CD
4. Wrist Strap



Note: SD Memory Card and batteries not included.

Parts of the Camera



- | | |
|------------------------|----------------------------------|
| 1. AV Out Port | 12. Shutter/OK Button |
| 2. LCD Flip Screen | 13. Down/Zoom Out/Thumbnail Vies |
| 3. UP/Zoom In | 14. Battery Compartment |
| 4. SD Memory Card Slot | 15. USB Lever |
| 5. MODE Button | 16. Wrist Strap Connector |
| 6. Left/Self-Timer | 17. LED Light |
| 7. Power Button | 18. Digital Lens |
| 8. USB Connector | 19. Microphone |
| 9. MENU Button | 20. Speaker |
| 10. Delete Button | 21. Tripod Socket |
| 11. Right/LED Light | 22. Self-Timer LED |

Initial Camera Setup

Installing the Batteries



Insert 2 AA batteries.
Alkaline batteries
recommended.

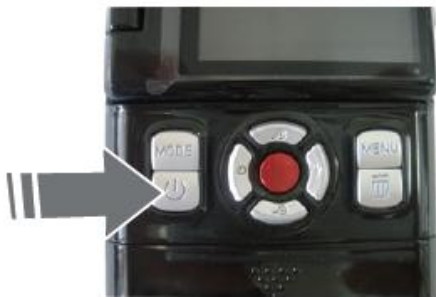
Installing the Memory Card



Install SD Memory
card (up to 16 GB)
before use.



Turning On the Camera



Using the Camera



When powering the camera ON for the first time the camera will take you through the initial camera setup.

Powering the Camera ON




1) Batteries

Make sure the batteries have been inserted properly into your digital camera, according to the polarity shown inside the battery compartment.

Use 2 x AA (1.5v) batteries. Alkaline batteries are recommended. (Batteries not included.)

Note:

- Remove the batteries from the camera when not in use for an extended period.
- Do not mix alkaline and non-alkaline batteries.
- Some camera features (Flash) will not work if the battery power level is low.
- The energy status of the power is displayed on LCD as shown below:

 *Full battery power*  *Medium battery power*  *Low battery power*

2) SD Card

Make sure an SD card has been properly inserted into your camera. (SD card not included.)

To properly insert the SD Card:

Push the SD card into the slot in the direction shown on the camera (see SD icon by the SD card slot). Push the SD card until you hear a slight clicking sound. This indicates the SD card has been inserted correctly.

Note:

- After the camera is powered on, an SD icon will appear on the LCD display. If you do not see the SD icon on the display, please check if the card was inserted properly.
- Make sure the SD card is not locked (check the lock switch on the side of the SD card). If the SD card is locked this will prevent the camera from saving captured photos to the SD card.

3) Power On

Press the  **POWER** button to turn on the camera.

Setting the Camera Language

You will first be prompted to select a language for the camera. The Language selection menu will appear. Select the language of your choice and press the **Shutter/OK** button to confirm the selection.

Setting the Date and Time

The next step in the initial camera setup is to set the date and time on the camera.

Set the Date and Time as Desired and press the **Shutter/OK** button to confirm the selection and complete the camera initial setup.

Main Camera Modes

Your camera has different modes for the various camera functions.

You can switch modes by pressing the **MODE** button on your camera after the camera has been powered ON.



Video Capture Mode

Use this mode to capture videos with your digital camera.

This is the default mode when the camera is powered ON.

To take a video, aim your camera as desired and press the **Shutter** button to start the record. A red record indicator will appear on the LCD screen while record is in progress. To stop the record, press the **Shutter** button again. The video will be automatically saved to your camera's memory card.

To access the various menus for the Video Capture mode, press the **MENU** button while in the Video Capture mode.



Photo Capture Mode

Use this mode to capture pictures with your camera.

After turning on your camera, press the **MODE** button once to open the Photo Capture mode.

To take a picture, aim your camera as desired and press the **Shutter** button.

The picture will be automatically saved to your camera's memory card.

To access the various menus for the Photo Capture mode, press the **MENU** button while in the Photo Capture mode.



Playback Mode (Photos & Videos)

Use this mode to view and manage the photos and videos on your camera.

After turning on your camera, press the **MODE** button twice to open the Playback mode for photos and videos. You can scroll through the photos and videos that you've previously taken to view and delete them as desired.

To access the various menus for the Playback mode for photos and videos, press the **MENU** button while in the Playback mode.

Camera Technical Specifications

Image Sensor	CMOS Sensor
Image Resolution	(5M) 2592x1944 pixels, (3M) 2048x1536 pixels, (2M) 1600x1200 pixels, (1M) 1280x1024 pixels, (VGA) 640x480 pixels
Video Resolution	(HD) 1280x720, (VGA) 640X480pixels (30fps), (QVGA) 320X240pixels (30 fps)
File Format	JPEG/AVI
External Memory	SD Card (up to 16GB) – SD Card not included
LCD Display	1.8 Inch TFT ; the LCD screen opens up 180 degree
Lens	f=7.5mm F3.0
Zoom	4X Digital Zoom
Scene	Auto / Scenery / Portrait / Night Scene / Night Portrait / Sensitive / Sport / Beach / Party
Image Quality	Normal, Fine, Super Fine
White Balance	Auto, Daylight, Cloudy, Incandescent, Fluorescent
Anti-Shake	Yes
Exposure	-3.0EV ~ +3.0EV
ISO	Auto / 100 / 200 / 400
Frequency	50 Hz, 60 Hz
Auto Power Off	1, 3 or 5 minutes
Metering	Center, Multi, Spot
Language	English, Spanish, Portuguese, French, German, Turkish
Microphone	Yes
Speaker	Yes
Interface	USB 2.0 (HS)
System Requirements	Windows XP (SP 3), Vista (SP1) and 7 Mac OSX v10.5.x and above
Battery	2 x AA alkaline batteries
Working Temperature	0~40 °C

Computer System Requirements – WINDOWS OS

To be able to download photos and videos to your PC, you will need the following minimum configuration:

- Microsoft® Windows XP with Service Pack 3, Windows Vista with Service Pack 1 or Windows 7
- Pentium® 4 processor (or above)
- 512 MB of RAM, with 250 MB of free hard disk space
- 16-bit Color monitor, 1024 X 768 recommended screen resolution
- CD-ROM Drive
- QuickTime® 6 or higher
- Microsoft® Internet Explorer 7 or higher
- Windows Media Player 10 or higher
- DirectX 9 or higher
- Internet connection required

Computer System Requirements – MAC OS

To be able to download photos and videos to your Macintosh, you will need the following minimum configuration:

- Intel processor running Mac OS X v10.5.x or later
- 256 MB RAM, 250 MB free hard disk space
- Display: 1024 x 768 or higher-resolution monitor
- QuickTime® 6 or higher
- Internet connection required

Powering ON/OFF Your Digital Video Camera


- Make sure the batteries have been inserted properly into your digital video camera.
If your camera comes with a rechargeable lithium battery, make sure it is fully charged before the first use.
- Make sure an SD card has been inserted properly into your camera.
(SD card up to 16GB - SD Card not included)

Powering the camera ON

Press the  **Power** button to turn your camera ON.

The camera will be in Video Capture mode to start.

Powering the camera OFF

While the camera is on, you can press the  **Power** button again at any point to turn your camera OFF. You will see a “Goodbye” splash screen and then the camera will power off completely.

Note: When there is insufficient battery power, a “Low Battery” message will appear on the LCD screen. The camcorder will automatically power off a few moments later.

Auto Power OFF – Power Saving

Your digital video camera also has an Auto Power Off feature that will automatically turn off your camera after a specific period of time that your camera is left idle. The Auto Power Off settings can be set from the Auto Power Off settings menu (in either Photo Capture Mode or Video Capture Mode).

Changing Camera Mode

Your camera has three main modes:

- 1) **Video Capture Mode** - Use this mode to capture videos with your camera.
- 2) **Photo Capture Mode** - Use this mode to capture photos with your camera.
- 3) **Playback Mode (for photos and videos)** - Use this mode to view the photos and videos you have already taken with your camera.

When the camera is first powered ON, the Video Capture Mode will be active. The icons that appear on the LCD screen are the best default settings so that you can begin to capture and enjoy clear quality videos and photos.

To change the active camera mode, make sure the camera is powered ON and press the **MODE** button.



When in Video Capture Mode, this icon will display on the top-left corner of the LCD display




When in Photo Capture Mode, this icon will display on the top-left corner of the LCD display



When in Playback Mode, this icon will display on the top-left corner of the LCD display

Navigating the Menus

Each camera mode has a set of menus specific to that mode.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll between the various menus for the current mode.
- 3) Press the **UP** or **DOWN** direction control buttons to highlight the desired menu selection.
- 4) Press the **Shutter/OK** button to confirm and select the highlighted menu option.
- 5) If the selection can be remembered by the camera, a  selection icon will appear to the right of the selected menu option. Changes made to these options will remain as is until you decide to change them again at a later time.
- 6) Some menu options are single-use functions that are not remembered by the camera and do not display this icon when selected.
- 7) At any time you can press the **MODE** button to exit the menus and return to the previous screen.

Video Capture Mode

The Video Capture Mode allows you to capture videos with your digital camera.

When the camera is first powered ON, the camera will display Video Capture Mode by default.

Taking a Video

- 1) While in Video Capture Mode use the LCD display to direct the camera at the scene you would like to capture.
- 2) Click the **UP - Zoom In** and **Down - Zoom Out** buttons to better set the camera display if desired.
- 3)  Press the **Shutter** button to START the video capture.
- 4) The elapsed time appears on the top right corner of the LCD screen and a red icon blinks on the screen – indicating that the video capture is in progress.
- 5) To PAUSE and then BEGIN recording again, press the **LEFT** direction control button.
- 6) To STOP the video record, press the **Shutter** button again.
- 7) The video will automatically be saved to the camera's SD card.

Taking a Video using the 180° Swivel Flip Screen





You can also capture your videos using the Flip Screen. The swivel LCD screen opens 180 degrees to allow Self Portrait image capture.

- 1) When you would like to quickly and easily include yourself in the video, simply flip the LCD display out and hold out the front of camera facing towards you.
- 2) Make sure you can see yourself within the scene on the LCD screen and click the **Shutter** button to begin the recording.


It's as easy as twist and shoot!

Video Capture Mode Quick Function Buttons

Your digital camera has a four-directional pad and additional buttons that functions as Quick Function buttons.

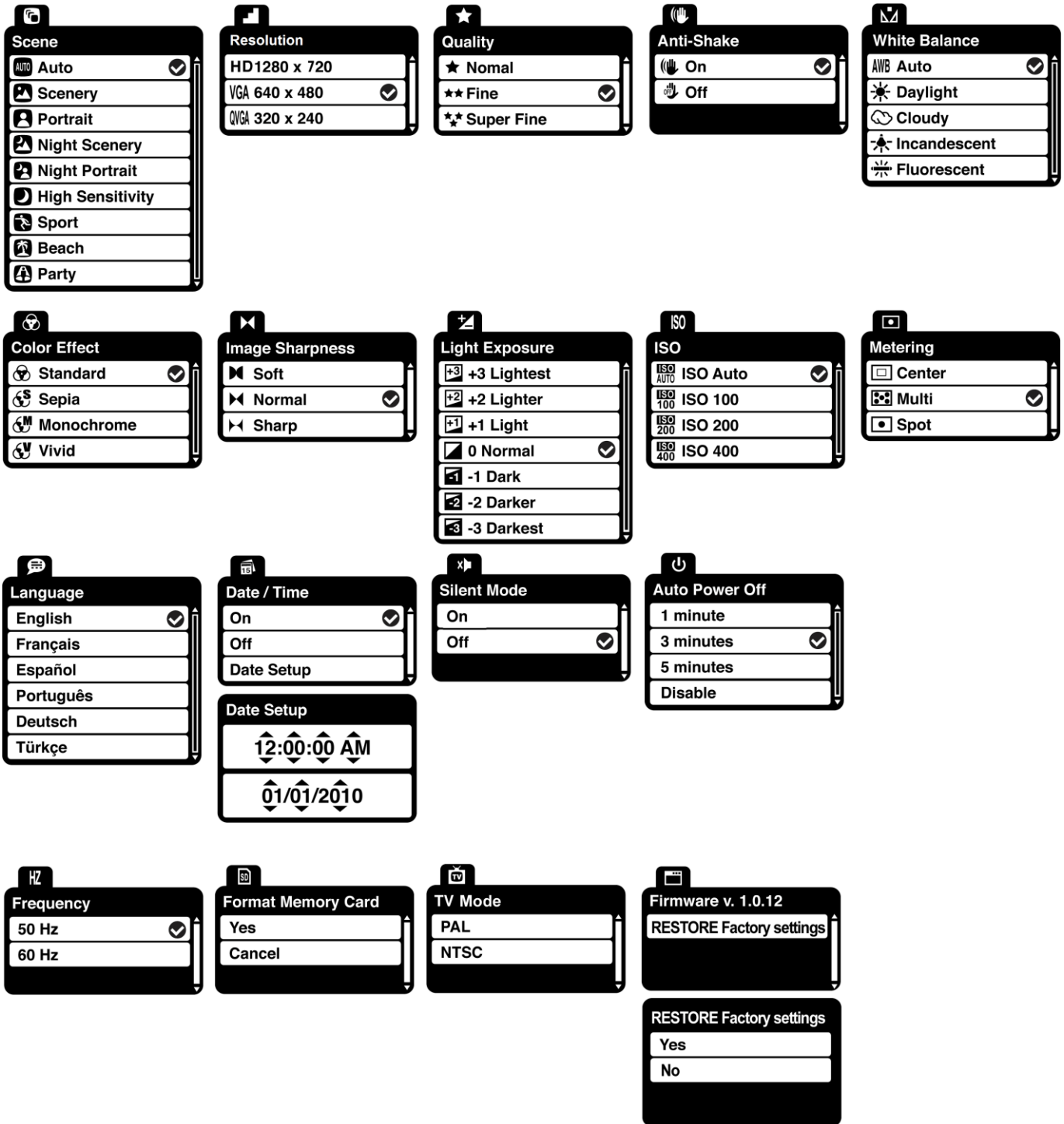
Quick Function Button	Function
 LEFT	Pauses and continues the Video Record
 UP	Zooms In
 RIGHT	Turns LED Light Off/On
 DOWN	Zooms Out

Other

Shutter/OK	<ul style="list-style-type: none">• Starts and stops your video capture• Saves your selected menu option
MENU	<ul style="list-style-type: none">• Opens the menu options for Video Capture Mode <p>Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.</p>
 Delete	<ul style="list-style-type: none">• Allows you to delete last video taken
MODE	<ul style="list-style-type: none">• Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode• Exits the menu screen


Video Capture Mode Menus

The following are the menus that appear in your camera's Video Capture Mode:




Scene Menu

The Scene Menu allows you to choose scene settings that let your camera to adapt properly to your current environment.

- 3) Press the **MENU** button to open the menus for the current mode.
- 4) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Scene menu.
- 1) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **Shutter/OK** button to select and save the desired option.
- 3) A  selected option icon will appear on the selected item.
- 4) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 5) Press the **MODE** button to exit the menu and return to your previous mode.
- 6) An icon reflecting your selection will display on the LCD screen.
- 7) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Resolution Menu

The Resolution menu allows you to choose the desired size of the images taken by your camera. Keep in mind that images with a larger size will also take up more of your camera's memory.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Resolution menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Quality Menu ★

The Quality menu allows you to select the desired quality level of the images taken by your camera. Keep in mind that images with a higher image quality level will also take up more memory on your camera.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Quality menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Anti-Shake Menu


The Anti-Shake feature reduces image distortion that can be caused by movement of the camera while capturing the image.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Anti-Shake menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

White Level Menu


The White Level feature allows your camera to adjust the coloring of the captured images depending on the type of light source in the current environment.

Properly adjusting the White Balance setting to match your current environment will allow the camera to properly balance the colors in the images that are taken with your camera.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the White Level menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Color Effect Menu

You can choose to add a color effect to the images taken with your camera.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Color Effect menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Sharpness Menu

You can set the level of sharpness in the images taken with your camera. The sharpness level dictates if the edges of objects in the image are more or less distinct.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Sharpness menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Exposure Menu

The Light Exposure setting helps you control the amount of light that enters your camera's lens. This setting should be adjusted when the environment is lighter or darker than normal.

When the environment has more light than is needed, reduce the exposure setting (by using the negative - count) to reduce the amount of light allowed into the lens by your camera.

If the environment has less light (darker) than is needed, increase the exposure setting (by using the positive + count) to increase the amount of light allowed into the lens by your camera.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Exposure menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.

- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

ISO Menu ISO

The ISO menu allows you to set the level of sensitivity that your camera has to light in the surrounding environment. When the ISO level is increased, the image sensor in your camera will be more sensitive to light and allow you to capture images in lower-light situations. The higher sensitivity to light however, may reduce the quality of the images that are taken.

When the ISO is reduced, the image sensor in your camera will be less sensitive to light and will optimize the image quality in environments with bright lighting.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the ISO menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Metering Menu

The Metering setting will affect how your camera focuses when capturing an image. Depending on your selection, the camera will be more sensitive to focusing on particular areas in the display and adjust the image color and lighting accordingly.

Center – Averages the light metered from the entire frame, but giving greater weight to the subject in the center

Multi – Used in standard conditions the camera divides and adjusts the settings of the image into several zones for light metering such as complex light conditions, position of subject, brightness, background, direct light and scenes


Spot – Meters the area within the spot point frame at the center of the LCD to set the exposure on the subject in the center of the monitor.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Metering menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Language Menu

You can select your camera's language setting by selecting the desired language from the Language menu.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Language menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.

- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Date/Time Menu


When you capture an image with your camera, the image will include a time stamp with the date and time that the image was taken.

The Date/Time menu allows you to set your camera's date and time as desired. You can also disable the timestamp for future images that will be taken with your camera.

On – The timestamp will appear on photos taken

Off – The date stamp will not appear on photos taken

To Enable/Disable the Timestamp:

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Date/Time menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

To Set the Date and Time:


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Date/Time menu.
- 3) Press the **UP** or **DOWN** direction control buttons to highlight the "Date Setup" menu option

then press the **SET** button to select the option.

- 4) The “Date Setup” submenu will open.
- 5) Scroll through the window with the **RIGHT** and **LEFT** navigation buttons.
- 6) For each field in the menu, use the **UP** and **DOWN** navigation buttons to set the date and time.
- 7) When you have finished setting the date and time, press the **Shutter/OK** button to save your settings and return to the previous mode.
- 8) Press the **MODE** button to exit the menu without saving your settings and return to your previous screen.

Silent Mode Menu ✎


You have the option of activating the camera’s Silent mode to disable all of the sound effects (except for beeps heard during the Self-Timer countdown) that the camera emits when performing camera functions.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Silent Mode menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera’s default factory settings.

Auto Off Menu

You can use the Auto Power Off feature in order to conserve your camera's battery life. The designated time represents when your camera will automatically power off.

When the camera sits idle for the designated period of time, the camera will shut off completely and will need to be turned on again with the power button before the next use.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Auto Off menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Frequency Menu

The options in the Frequency menu represent the frequency of the electrical current in fluorescent lighting sources in your locale. If your camera is set to a frequency that does not match your country's electric current, you may see flickering or waves on the images taken by your camera.

50Hz – UK, Europe and Australia

60Hz – US, Canada and South America

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Frequency menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.

- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Format SD Menu

You can use the Format Memory Card menu to delete all of the content that is currently on your camera's memory card.

Keep in mind that formatting the memory card will permanently delete all of the content on your camera's memory card.

This option will delete all of the content at one time. If you would like to delete individual images, use the delete menu in the camera's Playback mode.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Format SD menu.
- 3) Press the **UP** or **DOWN** direction control buttons to highlight the menu options.
- 4) To exit without formatting the card, select 'Cancel' and press the **Shutter/OK** button.
- 5) To proceed with the format, select "Yes" and press the **Shutter/OK** button.
- 6) You will be asked to confirm the formatting of the memory card.
 - Select "No" to exit without formatting.
 - Select "Yes" and press the **Shutter/OK** button to begin.The memory card will be completely formatted.


TV Setup Menu

TV Mode allows you to select the TV option appropriate for you to view your captured images on your television.

NTSC – television and video standard used in America, Canada

PAL – television and video standard used in Europe

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the TV Setup menu.

- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Firmware (Factory Default Settings) Menu

Use this menu to view the Firmware version on your camera or to reset your camera settings to the Factory Default Settings.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Firmware menu.
- 3) The "Default Setting" is selected.
- 4) Press the **Shutter/OK** button to reset the camera to the factory default settings.
- 5) You will be asked to confirm the resetting to the factory default settings.
- 6) Select "No" to exit the menu and return to the previous mode without resetting to the default settings.
 - Select "Yes" and press the **Shutter/OK** button to proceed with the reset.
You will then automatically exit the menu and return to the previous mode with the digital camera settings set to the Factory Default Settings.

Note: After RESETTING to the default settings, it is recommended to select your system Language and Date/Time. If you do not, the next time your camera is powered on, you will be prompted to define those settings.

Video Playback Mode

The Playback Mode allows you to review and edit photos and videos that you've already taken with your camera.

- When you first turn on the camera, the camera will be in Video Capture mode by default.
- Press the **MODE** button twice to open the **Playback Mode**.
- The latest captured image appears on the LCD screen. If there are no images stored, a message (No File) appears.

Playing Videos on Your Camera

1) Select your Video:

- Once in Playback mode, press the **LEFT** or **RIGHT** direction buttons to scroll through the images on your camera's memory card until you find the video you would like to view.
- Each captured image (video and photo) is displayed on the LCD screen.
- Videos appear with an '**AVI**' icon on the top left of the LCD screen.

2) Play your selected video:

- Press the **Shutter/OK** button to START playing the video.
- Press the **LEFT** button again to PAUSE the video and to continue playing and pausing as needed.
- To fully STOP the video and restore the icons to the LCD, press the **Shutter/OK** button.
- While the Video is playing all the icons on the top section of the LCD disappear.

Thumbnail View

Easily navigate and select the image you wish to view by using the Thumbnail View.

The images on your camera will be displayed in a 3 X 3 matrix where you can use the direction buttons to scroll and select images from the thumbnails.

1) Press the **DOWN/Zoom Out** button





All the images on your camera will appear in the **Thumbnail View**.

Videos appear with a 'V' on the left corner of the thumbnail.

- 2) Use the **UP / DOWN / LEFT / RIGHT** direction buttons to scroll and select the image you wish to view.
- 3) Press the **Shutter/OK** button to enlarge the image full size.
- 4) Once the selected video is full size you can play and view the video.

Video Playback Mode Quick Function Buttons

Your digital camera has a four-directional pad that functions as Quick Function buttons.

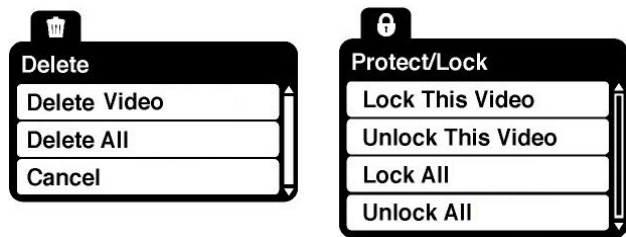
Quick Function Button	Function
 LEFT	<ul style="list-style-type: none"> • Displays the PREVIOUS image • Pauses and continues the Video Playback
 UP	Navigates in the Thumbnail View
 RIGHT	Displays the NEXT image
 DOWN	<p>Opens Thumbnail View</p> <ul style="list-style-type: none"> • To Navigate and select an image in the Thumbnail View: press the UP / DOWN / LEFT / RIGHT direction buttons • To view an image, press the Shutter/OK button to enlarge the selected Thumbnail image

Other

Shutter/OK	<ul style="list-style-type: none"> • Starts and stops your Video Playback • Saves your selected menu option
MENU	<ul style="list-style-type: none"> • Opens the menu options for Video Playback Mode <p>Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.</p>
MODE	<ul style="list-style-type: none"> • Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode • Exits the menu screen

Video Playback Mode Menus

The following are the menus that appear in your camera's Video Playback Mode:



Delete Menu 🗑️

While in the Playback mode, you can delete videos from your camera through the delete menu.

- 1) View the image you would like to delete.
- 2) Press the **MENU** button to open the menus for the current mode.
- 3) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Delete menu.
- 4) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 5) To delete this one video, select “Delete Video”.
- 6) To delete all the images (including all unlocked photos and videos) on your camera's memory card, select “Delete All”.
- 7) Press the **Shutter/OK** button to select and save the desired option.
- 8) You will be asked to confirm your selection.
- 9) The videos will be deleted as desired.

Protect/Lock Menu 🔒

Pictures and Videos taken with your camera can be protected or “locked” to prevent any deletion or alteration being made to the files.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Protect/Lock menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) Press the **MODE** button to exit the menu and return to your previous mode.
- 6) Any image that is locked will display a lock symbol on the LCD screen when viewing that image in the playback mode. Videos that are not locked will not display the lock symbol.
- 7) Remember that you cannot delete locked videos.

Photo Capture Mode

The Photo Capture mode allows you to capture pictures with your digital video camera.

Taking a Picture

- 1) While in Photo Capture mode, use the LCD display on the back of the camera to direct the camera at the scene you would like to capture.
- 2) Click the **UP/Zoom In** and **DOWN/Zoom Out** buttons to zoom in/out if desired.
- 3) Click the **Shutter/OK** button to take the picture.
- 4) The picture will automatically be saved to the memory or SD card.





Taking a Self Portrait Picture

You can also capture your photos using the flip screen which opens to 180 degrees.

- 1) When you would like to include yourself in the photo, simply flip the LCD display out and hold the camera steady facing towards you at arm's length (30~45cm).
- 2) Make sure you can see yourself on the LCD screen.
- 3) Look at the camera lens.
- 4) Click the **Shutter/OK** button to take the picture. It's as easy as twist and shoot!

Photo Capture Mode Quick Function Buttons

Your digital camera has a four-directional pad that functions as Quick Function buttons:

Quick Function Button	Function
 LEFT	Self-Timer – Sets a delay from the time the Shutter button is pressed to the time the image is captured. Each time you press the Self Timer button, the delay option times appear on the LCD
 UP	Zooms In
 RIGHT	Turns LED Light Off/On
 DOWN	Zooms Out

Other


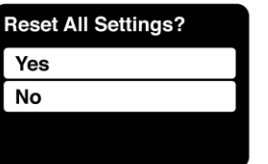
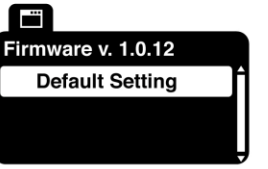
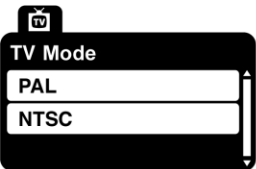
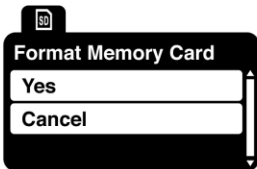
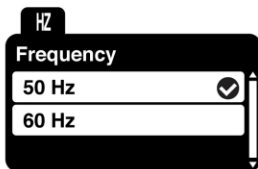
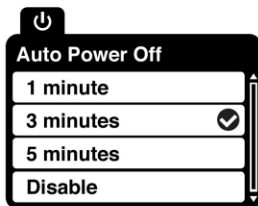
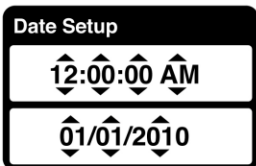
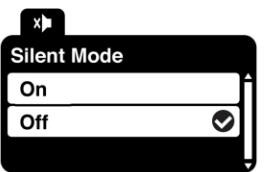
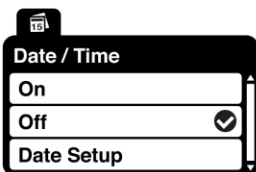
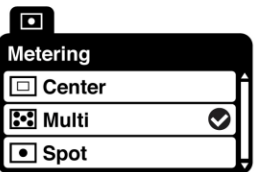
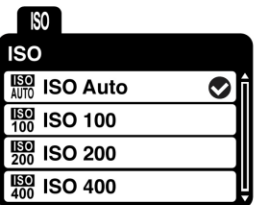
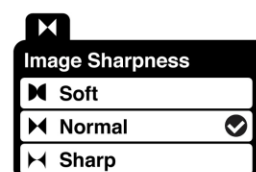
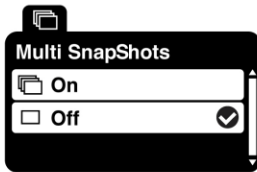
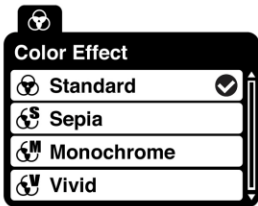
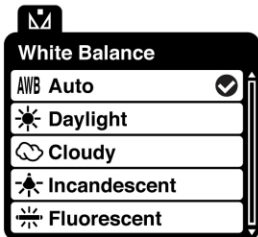
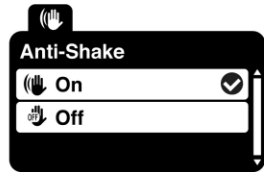
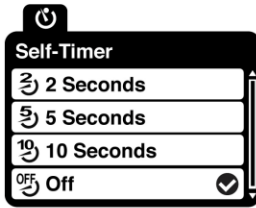
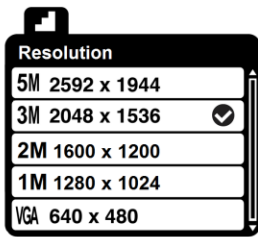
Shutter/OK	<ul style="list-style-type: none"> • Captures a photo • Saves your selected menu option
MENU	<ul style="list-style-type: none"> • Opens the menu options for Photo Capture Mode <p>Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.</p>
 Delete	<ul style="list-style-type: none"> • Allows you to delete last image taken
MODE	<ul style="list-style-type: none"> • Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode • Exits the menu screen


Photo Capture Mode Menus

The following are the menus that appear in your camera's Photo Capture Mode:




Scene Menu

The Scene Menu allows you to choose scene settings that let your camera to adapt properly to your current environment.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Scene menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Resolution Menu

The Resolution menu allows you to choose the desired size of the images taken by your camera. Keep in mind that images with a larger size will also take up more of your camera's memory.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Resolution menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Quality Menu ★


The Quality menu allows you to select the desired quality level of the images taken by your camera. Keep in mind that images with a higher image quality level will also take up more memory on your camera.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Quality menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Self-Timer Menu

The Self-Timer menu allows you to set a delay between the time that the camera's Shutter button is pressed and the actual capture of the picture.


This is an optimal feature if you don't just want to take the picture but would also like to be in the picture yourself. Just set the desired Self-Timer delay, press the **Shutter** button on your camera and position yourself in front of the camera as desired.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Self-Timer menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.

- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Anti-Shake Menu

The Anti-Shake feature reduces image distortion that can be caused by movement of the camera while capturing the image.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Anti-Shake menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

White Level Menu

The White Level feature allows your camera to adjust the coloring of the captured images depending on the type of light source in the current environment.


Properly adjusting the White Balance setting to match your current environment will allow the camera to properly balance the colors in the images that are taken with your camera.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the White Level menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.

- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Color Effect Menu

You can choose to add a color effect to the images taken with your camera.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Color Effect menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Multi Shot Menu

When enabled, the Multi SnapShots feature allows you to take five rapid snapshots in a row with a single click of the shutter button.


This feature can be effective when trying to capture a particular moment in a sporting event or other scenes with quick movements.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Multi Shot menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.

- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Sharpness Menu

You can set the level of sharpness in the images taken with your camera. The sharpness level dictates if the edges of objects in the image are more or less distinct.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Sharpness menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Exposure Menu

The Light Exposure setting helps you control the amount of light that enters your camera's lens. This setting should be adjusted when the environment is lighter or darker than normal.

When the environment has more light than is needed, reduce the exposure setting (by using the negative - count) to reduce the amount of light allowed into the lens by your camera.

If the environment has less light (darker) than is needed, increase the exposure setting (by using the positive + count) to increase the amount of light allowed into the lens by your camera.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Exposure menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

ISO Menu

The ISO menu allows you to set the level of sensitivity that your camera has to light in the surrounding environment. When the ISO level is increased, the image sensor in your camera will be more sensitive to light and allow you to capture images in lower-light situations. The higher sensitivity to light however, may reduce the quality of the images that are taken.

When the ISO is reduced, the image sensor in your camera will be less sensitive to light and will optimize the image quality in environments with bright lighting.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the ISO menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.

- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Metering Menu

The Metering setting will affect how your camera focuses when capturing an image. Depending on your selection, the camera will be more sensitive to focusing on particular areas in the display and adjust the image color and lighting accordingly.

Center – Averages the light metered from the entire frame, but giving greater weight to the subject in the center


Multi – Used in standard conditions the camera divides and adjusts the settings of the image into several zones for light metering such as complex light conditions, position of subject, brightness, background, direct light and scenes

Spot – Meters the area within the spot point frame at the center of the LCD to set the exposure on the subject in the center of the monitor.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Metering menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) An icon reflecting your selection will display on the LCD screen.
- 9) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Language Menu

You can select your camera's language setting by selecting the desired language from the Language menu.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Language menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Date/Time Menu


When you capture an image with your camera, the image will include a time stamp with the date and time that the image was taken.

The Date/Time menu allows you to set your camera's date and time as desired. You can also disable the timestamp for future images that will be taken with your camera.

On – The timestamp will appear on photos taken

Off – The date stamp will not appear on photos taken

To Enable/Disable the Timestamp:

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Date/Time menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.


- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

To Set the Date and Time:

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Date/Time menu.
- 3) Press the **UP** or **DOWN** direction control buttons to highlight the "Date Setup" menu option then press the **SET** button to select the option.
- 4) The "Date Setup" submenu will open.
- 5) Scroll through the window with the **RIGHT** and **LEFT** navigation buttons.
- 6) For each field in the menu, use the **UP** and **DOWN** navigation buttons to set the date and time.
- 7) When you have finished setting the date and time, press the **Shutter/OK** button to save your settings and return to the previous mode.
- 8) Press the **MODE** button to exit the menu without saving your settings and return to your previous screen.

Silent Mode Menu

You have the option of activating the camera's Silent mode to disable all of the sound effects (except for beeps heard during the Self-Timer countdown) that the camera emits when performing camera functions.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Silent Mode menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.

- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Auto Off Menu

You can use the Auto Power Off feature in order to conserve your camera's battery life. The designated time represents when your camera will automatically power off.

When the camera sits idle for the designated period of time, the camera will shut off completely and will need to be turned on again with the power button before the next use.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Auto Off menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.


Frequency Menu

The options in the Frequency menu represent the frequency of the electrical current in fluorescent lighting sources in your locale. If your camera is set to a frequency that does not match your country's electric current, you may see flickering or waves on the images taken by your camera.

50Hz – UK, Europe and Australia

60Hz – US, Canada and South America

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Frequency menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.

- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Format SD Menu

You can use the Format Memory Card menu to delete all of the content that is currently on your camera's memory card.

Keep in mind that formatting the memory card will permanently delete all of the content on your camera's memory card.

This option will delete all of the content at one time. If you would like to delete individual images, use the delete menu in the camera's Playback mode.


- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Format SD menu.
- 3) Press the **UP** or **DOWN** direction control buttons to highlight the menu options.
- 4) To exit without formatting the card, select 'Cancel' and press the **Shutter/OK** button.
- 5) To proceed with the format, select "Yes" and press the **Shutter/OK** button.
- 6) You will be asked to confirm the formatting of the memory card.
 - Select "No" to exit without formatting.
 - Select "Yes" and press the **Shutter/OK** button to begin.
The memory card will be completely formatted.

TV Setup Menu

TV Mode allows you to select the TV option appropriate for you to view your captured images on your television.

NTSC – television and video standard used in America, Canada

PAL – television and video standard used in Europe

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the TV Setup menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Remember that this setting will be saved by your camera until you manually change the setting or restore the camera's default factory settings.

Firmware (Factory Default Settings) Menu

Use this menu to view the Firmware version on your camera or to reset your camera settings to the Factory Default Settings.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Firmware menu.
- 3) The “Default Setting” is selected.
- 4) Press the **Shutter/OK** button to reset the camera to the factory default settings.
- 5) You will be asked to confirm the resetting to the factory default settings.
- 6) Select “No” to exit the menu and return to the previous mode without resetting to the default settings.
 - Select “Yes” and press the **Shutter/OK** button to proceed with the reset.
You will then automatically exit the menu and return to the previous mode with the digital camera settings set to the Factory Default Settings.

Note: After RESETTING to the default settings, it is recommended to select your system Language and Date/Time. If you do not, the next time your camera is powered on, you will be prompted to define those settings.

Photo Playback Mode

The Playback Mode allows you to review and edit photos and videos that you've already taken with your camera.

- When you first turn on the camera, the camera will be in Video Capture mode by default.
- Press the **MODE** button twice to open the **Playback Mode**.
- The latest captured image appears on the LCD screen. If there are no images stored, a message (No File) appears.

Viewing Photos on Your Camera

1) Select your Photo:

- Once in Playback Mode, press the **LEFT** or **RIGHT** direction buttons to scroll through the images on your camera's memory card until you find the image you would like to view.
- Each captured image (video and photo) is displayed on the LCD screen.
- Photos appear with a '**JPG**' icon on the top left of the LCD screen.

2) Zooming In/Out of your selected Photo:

- Press the **UP / Zoom In** button to Zoom In and magnify the selected photo.
Use the **UP / DOWN / LEFT / RIGHT** direction buttons to navigate around the magnified photo.
- Press the **DOWN/Zoom Out** button to Zoom Out of the selected photo.
Use the **UP / DOWN / LEFT / RIGHT** direction buttons to navigate around the magnified photo.

Thumbnail View

Easily navigate and select the image you wish to view by using the Thumbnail View.

The images on your camera will be displayed in a 3 X 3 matrix where you can use the direction buttons to scroll and select images from the thumbnails.

1) Press the **W/Zoom Out** button.

All the images on your camera will appear in the **Thumbnail View**.





2) Use the **UP / DOWN / LEFT / RIGHT** direction buttons to scroll and select the image you

wish to view.

- 3) Press the **Shutter/OK** button to enlarge the selected image full size.

Photo Playback Mode Quick Function Buttons

Your digital camera has a four-directional pad that functions as Quick Function buttons.

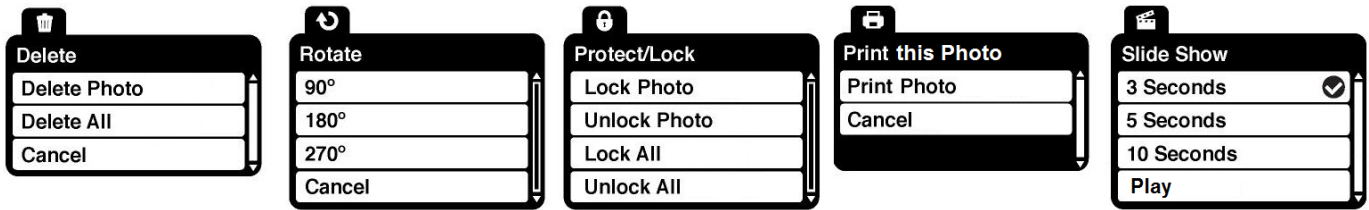
Quick Function Button	Function
 LEFT	<ul style="list-style-type: none">• Displays the PREVIOUS image
 UP	<ul style="list-style-type: none">• Navigates in the Thumbnail View
 RIGHT	<ul style="list-style-type: none">• Displays the NEXT image
 DOWN	<p>Opens Thumbnail View</p> <ul style="list-style-type: none">• To Navigate and select an image in the Thumbnail View: press the UP / DOWN / LEFT / RIGHT direction buttons• To view an image, press the Shutter/OK button to enlarge the selected Thumbnail image

Other

Shutter/OK	<ul style="list-style-type: none">• Saves your selected menu option
MENU	<ul style="list-style-type: none">• Opens the menu options for Photo Playback Mode <p>Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.</p>
MODE	<ul style="list-style-type: none">• Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode• Exits the menu screen

Photo Playback Mode Menus

The following are the menus that appear in your camera's Photo Playback Mode:



Delete Menu

While in the Playback Mode, you can delete captured pictures from your camera using the Delete menu.

- 1) View the photo you would like to delete.
- 2) Press the **SET** button to open the menus for the Photo Playback mode.
- 3) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Delete menu.
- 4) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 5) To delete the selected photo:

Select "Delete Photo" and press **Shutter/OK** button.

You will be asked to confirm the deletion of the photo.

- If you would like to proceed with deleting the current image: select 'Yes' and press the **Shutter/OK** button to confirm. The photo will be deleted and you will exit the menu and return to the Playback mode.
 - If you do not want to delete the current image, select 'No' and press the **Shutter/OK** button. The photo will not be deleted and you will exit the menu and return to the Playback mode.
- 6) To delete all the images (videos and photos) you have saved on your SD Memory card:
Select 'Delete All' and press the **Shutter/OK** button.
- If you would like to proceed with deleting all the videos and photos, select 'Yes' and press the **Shutter/OK** button to confirm.

All of your images will be permanently deleted.

A blank 'No Files Exist' screen will appear.

Press the **MODE** button to exit the 'No Files Exist' screen and return to Photo Capture mode.

Remember: All images will be deleted except images that are Protected/Locked. To delete a locked image, first unlock the image, then select delete.

- If you do not want to delete all of your videos and photos, select 'No' and press the **Shutter/OK** button. All images will remain on your SD card and you will exit the menu and return to the Playback mode.

Rotate Menu ↶

Use this menu to rotate the pictures that you've taken with your camera.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Rotate menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) The selected picture will now appear rotated in the Playback mode.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.

Crop Image Menu ✂

You can crop any picture on your camera with the Crop feature.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Crop Image menu.
- 3) Press the **UP** or **DOWN** to highlight the Crop option.
- 4) Press the **Shutter/OK** button to open the Crop option.
- 5) The Crop window will open on the selected picture.
- 6) Use the directional buttons to move the Crop box to define the desired crop area.
- 7) Use the **UP/Down Zoom** buttons on the camera to enlarge or shrink the Crop box.
- 8) When you are ready to crop, press the **Shutter/OK** button.
- 9) When you see the cropped picture appear, press the **Shutter/OK** button again to save or press the **MENU** button to cancel and return to the previous menu.
- 10) If you selected to save, the cropped picture will now be saved as a new picture to your

memory card.

Protect/Lock Menu

Pictures and Videos taken with your camera can be protected or “locked” to prevent any deletion or alteration being made to the files.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Protect/Lock menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 6) Press the **MODE** button to exit the menu and return to your previous mode.
- 7) Any image that is locked will display a lock symbol on the LCD screen when viewing that image in the playback mode. Photos that are not locked will not display the lock symbol.
- 8) Remember that you cannot delete or edit photos while they are locked.

Print Photo Menu

You can use the Print Photos menu to print the photos that are on your camera directly to a Pictbridge compatible printer.


- 1) Scroll through your pictures and find the one you would like to print.
- 2) Press the **MENU** button to open the menus for the current mode.
- 3) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Print This Photo menu.
- 4) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 5) Press the **Shutter/OK** button when highlighting the “Print Photo” option to print the selected photo.
- 6) You will be asked to connect the camera to the Pictbridge printer.
- 7) Connect the USB cable provided in the package from the camera to the Pictbridge port of

the printer.

- 8) Once connected, follow the instructions on the printer to proceed with the printing process.
- 9) Select the “Cancel” option to exit the menu and return to the previous mode.

Slide Show Menu

The Slide Show menu allows you to set the interval length of time that each picture will display during the slide show.

- 1) Press the **MENU** button to open the menus for the current mode.
- 2) Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Slide Show menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **Shutter/OK** button to select and save the desired option.
- 5) A  selected option icon will appear on the selected item.
- 6) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 7) Press the **MODE** button to exit the menu and return to your previous mode.
- 8) Press any button to exit the slide show and return to the previous mode.

Connecting the Camera to a TV

Your camera has an AV port to use your larger TV screen in place of the camera's LCD screen. On plugging the TV Cable (supplied) to the the camera's AV slot and to the TV, the LCD screen turns blank. Use the camera as you would to capture and playback photos and videos. The images will appear on the TV instead of on the LCD screen.

Note: The only limitation of using the TV screen is that the camera is now not portable.

- 1) Connect the digital video camera to a TV via the TV-out cable (supplied). The TV slot is situated next to the USB slot at the top of the camcorder.
- 2) Connect the end with double-connectors to the video (yellow) and to the audio (red or white) input jack on the TV.
- 3) Turn on the TV and the digital video camera, and then set the TV to "AV" mode.
- 4) When the digital video camera is set to record, capture or playback mode, you can preview the images you want to record on the TV screen.
- 5) When the digital video camera is set to Playback mode, you can review all the pictures and videos stored on the SD card inserted in the video camcorder on the TV.

Installing the Software

You must be connected to the internet to install and run the Vivitar Experience Image Manager software.

- 1) Insert the installation CD into your CD-ROM drive. The installation screen should automatically open.



- 2) On PC: The Vivitar Experience Image Manager Installer window appears. If the window does not appear, open the application's CD/DVD drive and click on "Setup.exe" to launch the installer.
- 3) On Macintosh: Click the icon that appears on the desktop to install the Vivitar Experience Image Manager.
- 4) If you do not have internet access at the time of inserting the CD-ROM, connect to the internet and then click the "Install Vivitar Experience Image Manager" button to begin the installation.



Note: If you do not have internet access, you can still download media from the camera. Click the “How to transfer photos and videos from my camera to my computer” button for instructions.

- 5) If you have internet access, the “Choose your language” window opens, choose your language and click “Next” to open the next window.
- 6) Select your camera model from the list and click “Next” to open the next window.
- 7) Click “Next” to confirm your camera model selection and to install the application.
- 8) Please wait while the application is being installed on your computer.
- 9) Please review the license terms.

On PC and Macintosh: Click the “I accept the terms of this license agreement” and then click “Next” to continue.

- 10) On PC only: Let the “Vivitar Experience Image Manager” installer create the folder to where the program will be installed, and then click “Install”.
- 11) Please wait while the application continues the installation process on your computer.
- 12) On PC: Click the “Close” button when the installation is complete.
Click the “Launch Vivitar Experience Image Manager” to open the application.
- 13) On Macintosh: Click the “Quit” button when the installation is complete.
Click the “Launch Vivitar Experience Image Manager” to open the application.
- 14) If you close the application you can run the Vivitar Experience Image Manager from the Programs (PC) or Applications (Mac) menu on your computer.



Connecting the Camera to the Computer

- 1) Push the USB lever on the side of the camcorder to reveal the retractable built-in USB connector.
- 2) Plug the USB connector into an available USB port on your computer.
- 3) Power the camera ON.

- 4) The first time you connect the device to the computer you will have to wait a few seconds until the computer recognizes the device.
- 5) As your camera is a mass storage device “MSDC” will appear on the LCD, indicating that your camera is in Mass Storage Mode.

Getting Photos and Videos from your Camera to Your Computer

An SD card needs to be inserted. Do not disconnect the cable during transfer. Doing so will cancel the transfer of any files on their way to your computer.

- 1) Select the “Get Images” button from the Main menu.



- 2) The “Get Images from device” window opens.
- 3) You can select to download photos, videos or both.
- 4) Select your camera (removable disk) from the device window. If your camera is the only USB device connected then it will be selected automatically.
- 5) Select a location on the computer where to place the new photo and video files.
- 6) Add the new photo and video files to albums if desired.

- 7) Select to remove the media files from the selected device (removable disk) after the import.
- 8) Click the “Get Images” button to transfer the photos and videos from your camera to your computer.
- 9) A media download progress bar appears on the bottom left showing the number of media files downloading to your computer. A message appears when the download is complete.
- 10) The photo and video files that you selected are now downloaded to your computer to the selected folder and albums ready for your use.

Get started!

Using the Vivitar Experience Image Manager, you can:

- Upload and manage photos and videos to and from the most popular photo sharing and social networking sites - Facebook, Flickr, Picasa, MySpace, Photobucket, Twitpic, Twitgoo and YouTube
- Seamlessly transfer photos and videos from one social network to another
- Organize your images by creating offline and online albums
- Edit images using automatic and manual tools
- Use automatic “Geotagging” with built in Google Maps

For more details on how to use the Vivitar Experience Image Manager open the Help file or click the “Take the Tour” button on the application’s Home page.

Transfer media from my camera to my computer manually (Using Windows)

- 1) Push the USB lever on the side of the camcorder to reveal the retractable built-in USB connector.
- 2) Plug the USB connector into an available USB port on your computer.
- 3) Power the camera ON.
- 4) MSDC appears on the LCD.
- 5) A window appears with a list of options, select "Open folder to view files" and click OK.
- 6) Open the DCIM folder and the folder inside to view the media files.
- 7) Select the media and copy the files from this folder into your computer. Optionally, select the files and choose Copy from the Edit menu. Then select a folder and choose Paste from the Edit menu.
- 8) We recommend that you copy the images into the Pictures/My Pictures folder and the videos into the Videos/My Videos folder.
- 9) Do not disconnect the cable during transfer. Doing so will cancel the transfer of any files on their way to your computer.

Transfer media from my camera to my computer manually (Using Macintosh)

- 1) Push the USB lever on the side of the camcorder to reveal the retractable built-in USB connector.
- 2) Plug the USB connector into an available USB port on your computer.
- 3) Power the camera ON.
- 4) MSDC appears on the LCD.
- 5) The camera's device icon appears on the desktop.
- 6) Click on the device icon and open the DCIM folder and the folder inside to view the media files.
- 7) Select the files and drag them into your computer. Optionally, select the files and choose Copy from the Finder's Edit menu. Then select a folder and choose Paste from the Edit menu.

- 8) We recommend that you copy the images into the Pictures folder and the videos into the Movies folder.
- 9) Do not disconnect the cable during transfer. Doing so will cancel the transfer of any files on their way to your computer.

Camera Maintenance

The digital camera is a delicate device. Please handle your camera with care to avoid damaging it.

Do not expose your camera to heat sources.

Do not use your camera in wet or moist conditions.

Sakar Warranty Card

This warranty covers for the original consumer purchaser only and is not transferable. Products that fail to function properly **UNDER NORMAL USAGE**, due to defects in material or workmanship will be repaired at no charge for parts or labor for a period of one year from the time of purchase.

What Is Not Covered By Warranty:

Damages or malfunctions not resulting from defects in material or workmanship and damages or malfunctions from other than normal use, including but limited to, repair by unauthorized parties, tampering, modification or accident.

What To Do When Service Is Required:

When returning your defective product (postage pre-paid) for service, your package should include:

- 1) Copy of **original** bill of sale
- 2) A detailed written description of the problem.
- 3) Your return address and telephone number (Daytime)

MAIL TO ADDRESS BELOW:

<u>Sakar US</u>	<u>Sakar UK/Europe</u>	<u>Sakar Australia</u>
Sakar International Attention: Service Department 195 Carter Drive Edison, NJ 08817	Attention: Service Department 2D, Siskin Parkway East 4020 Middlemarch Business Park Coventry, CV3 4PE	Return faulty camera to the Refund Counter at the store where purchased

Technical Support

For technical support issues please visit our website at **www.vivitar.com**. You can find manuals, software and FAQ's at the website. Can't find what you are looking for? E-mail us at **support@vivitar.com** and one of our technical support team members will answer your questions. For phone support in the US please call 1-800-592-9541, in the UK call 0800 917 4831, in Australia call 1800-006-614. If you would like to call from anywhere else, please visit **www.vivitar.com** for your local toll free number.

Troubleshooting

Q: I have taken photos and selected the “Get Images” button. I get a message that the images were successfully transferred but the photos do not appear on my computer.

What do I do?

First ensure that you have in fact taken photos. Press the Shutter button to take some sample photos and then try downloading them again.

With test photos if the camera powers off before you upload them to the computer the photos are not stored in the camera's memory. These photos should be uploaded quickly before the camera powers off. If the photos are saved to the SD memory card then all the photos should appear.

Q: How do I make sure I don't lose important pictures?

This camera requires an SD card for normal use. If the camera powers off nothing will happen to the images stored on the SD memory card. We recommend always downloading your photos to your computer as soon as possible to prevent unintentional data loss.

Q: I deleted images using the Vivitar Experience Image Manager. The images were also deleted from my computer. How do I recover images that I accidentally deleted?

All images deleted using the Vivitar Experience Image Manager are sent to your computer's Recycle or Trash Bin and can be retrieved from there.