

DVR 880HDv2

Digital Video Recorder

User Manual



Vivitar[®]
we make it easy[™]

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Introduction

Thank you for purchasing this digital video recorder. 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.

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

Note:

- *Your digital video recorder supports an SD Memory Card (up to 32GB).*
- *In order to use your digital video recorder normally, it is strongly recommended to insert the SD Memory card before use.*
- *SD Memory cards are not included and need to be purchased separately.*

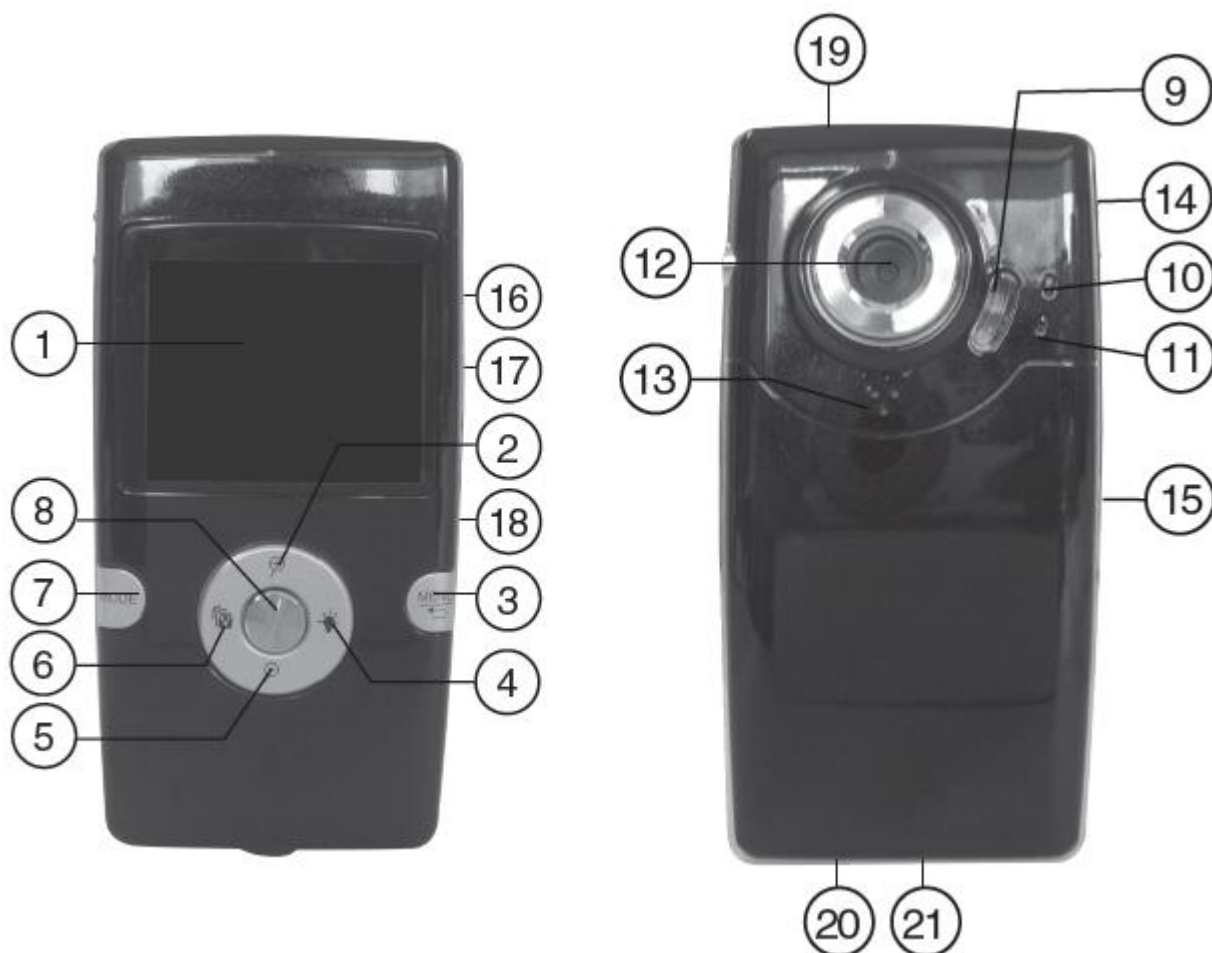
What's Included

1. Digital Video Recorder
(with built-in USB connector)
2. AV Cable
3. Vivitar Experience Image Manager
Software Installation CD
4. Wrist Strap
5. AC Adapter
6. Built-in Lithium Battery (not shown)



Note: SD Memory Card not included.

Parts of the Camera



1. LCD Screen
2. Up / Zoom In Button
3. MENU Button
4. Right / LED On-Off Button
5. Down / Zoom Out Button
6. Left / Vivilink Button
7. MODE Button
8. Shutter/OK Button
9. LED Light
10. Self-Timer / Charge LED Indicator
11. Microphone

12. Digital Lens
13. Speaker
14. USB Lever
15. SD Memory Card Slot
16. AV Out Port
17. Power Button
18. RESET
19. USB Connector
20. Wrist Strap Connector
21. Tripod Mount

Initial Camera Setup

Charging the Battery



To Charge the Battery:

1. Power off the camera.
2. Connect the camera's built-in USB connector to the AC charger or to the computer (as shown above).
3. Allow the battery to charge for at least 3 hours before using the first time.
4. The charge light will turn off when the battery is fully charged.

Turning On the Camera



Installing the Memory Card



SD Memory Card (up to 32GB)
needed for normal use.

Using the Camera



When powering the digital video recorder ON for the **first time** the digital video recorder will take you through the initial setup.

Powering the Digital video recorder ON

1. Battery

Make sure the built-in lithium battery has been fully charged.

Note:

- When the battery power is low the battery icon turns red and the camera will automatically turn off a few seconds later.
- 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 in the previous section.

Note: In some models - see SD icon by the SD card slot for direction indication.

- Push the SD card until you hear a slight clicking sound. This indicates the SD card has been inserted correctly.

Note:

- *After the digital video recorder 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 , located on the side of the camera, to turn on the digital video recorder.

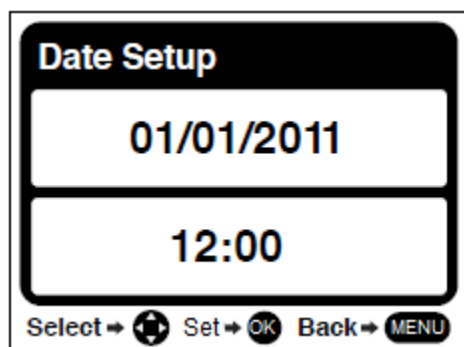
Setting the Language

You will first be prompted to select a language for the camera.

1. The Language selection menu will appear.
2. Select the language of your choice by pressing the **UP** and **DOWN** direction control buttons.
3. Press the **Shutter/OK** button 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 by pressing the **RIGHT** and **LEFT** direction control buttons to choose the specific setting and the **UP** and **DOWN** buttons to change each setting.

Once you have completed setting the time and date, press the **Shutter/OK** button to confirm the selection.

Your digital video camera is now ready to use.

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, edit or 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) 2592x1944pixels, (3M) 2048x1536pixels, (2M) 1600x1200pixels, (1M) 1280x1024pixels, (VGA) 640x480 pixels
Video Resolution	(HD) 1280x720, (D1) 720x480pixels (15 fps) (VGA) 640x480pixels (30fps), (QVGA) 320x240
File Format	JPEG/AVI
External Memory	SD Card (up to 32GB)
LCD Display	2.0 Inch TFT
Zoom	4X Digital Zoom
Exposure	-3.0EV ~ +3.0EV
White Balance	Auto, Daylight, Cloudy, Incandescent , Fluorescent
Scene	Auto, Scenery, Portrait, Night Scenery, Night Portrait, High Sensitivity, Sport, Beach, Party
Color Effect	Standard, Sepia, Monochrome, Vivid
Self-Timer	2, 5 or 10 second delay
Auto Power Off	1, 3, or 5 minutes
Multi Snapshots (Burst)	Yes
Anti Shake	Yes
Microphone	Yes
Speaker	Yes
Language	English, French, Spanish, Portuguese, German, Turkish
Interface	USB 2.0
System Requirements	Windows XP (SP 3), Vista (SP1) and Windows 7 Mac OSX v10.5.x and above
Battery	Built-in Lithium Battery
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 Camera

- Make sure the battery has been fully charged before the first use.
- Make sure an SD card has been inserted into your camera.
(SD card up to 32GB required - SD Card not included)

Powering the camera ON

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

The camcorder will be in Video Capture mode to start.

Powering the camera OFF

While the camera is on, you can press and hold 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: *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 the Video and Photo Capture mode Menus).*

Changing Camera Mode

Your digital video recorder 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 digital video recorder 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 on the bottom left of the LCD Panel.



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 option.
4. Press the **Shutter/OK** button to select and save 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 **MENU** 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 video recorder. When the camcorder is first powered ON, the camcorder will be in Video Capture Mode.

Taking a Video

1. While in Video Capture Mode use the LCD display to direct your digital video recorder at the scene you would like to capture.
2. Press the  **Up / Zoom In** and  **Down / Zoom Out** buttons to better set the camera display if desired.
3. Press the  **RIGHT / LED** button to turn the LED light on to better illuminate the area you would like to capture on video.
4. Press the **Shutter** button to start the video capture.
5. You will see a red icon at the top of the LCD indicating that the record is in progress.
6. To stop the video record, press the **Shutter** button again.
7. The video will automatically be saved to the camera's SD memory card.

LED Flash Light

To add more light in a dark situation the camera has an LED flash light.

1. Press the **RIGHT / LED ON-OFF** button once to turn the LED On.
2. Press the **RIGHT / LED ON-OFF** button again to turn the LED Off.

Video Capture Mode Quick Function Buttons

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

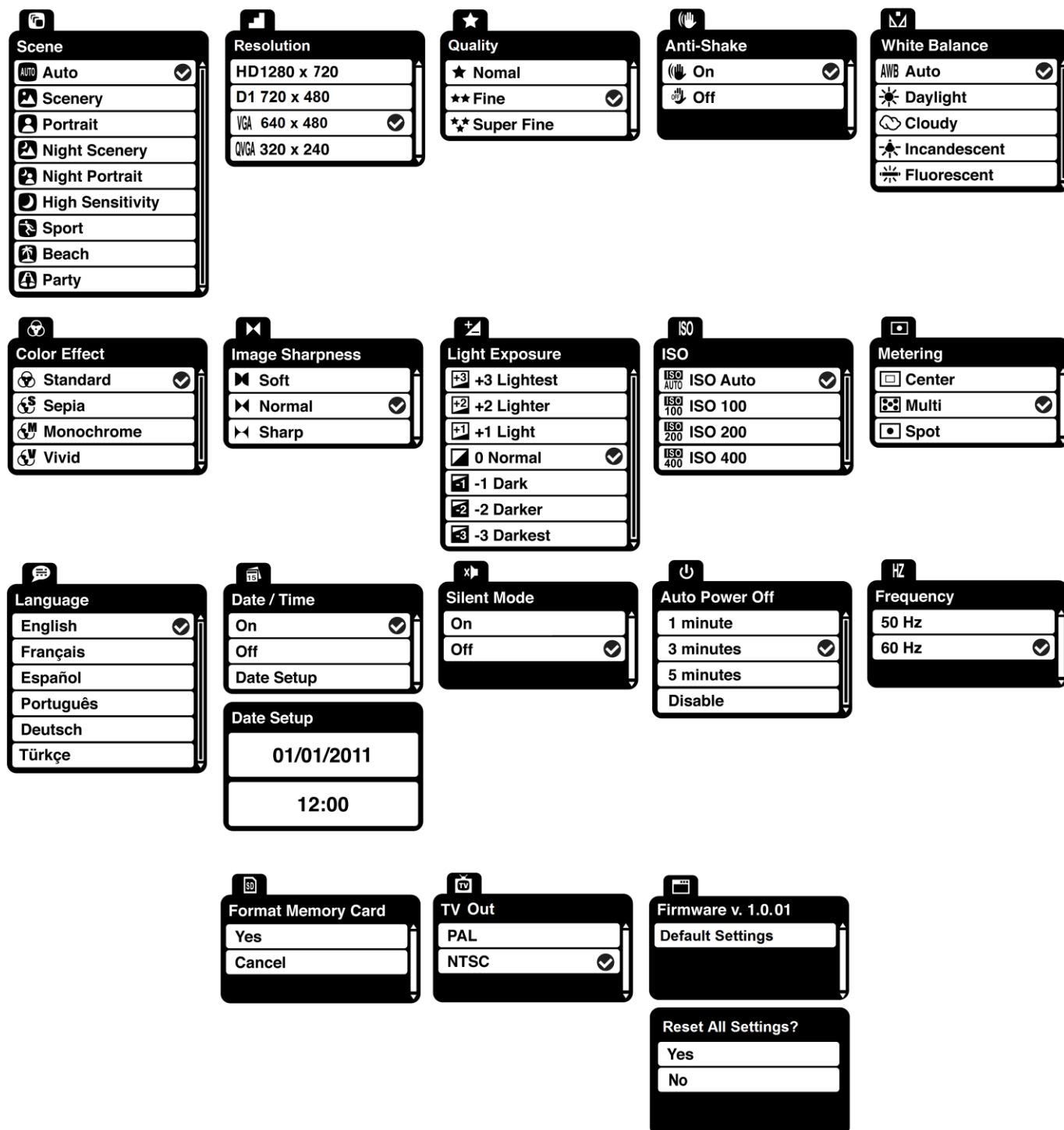
Button	Function
 Up	Zooms in.
 Right	Turns the LED light on or off.
 Down	Zooms out.
 Left	Opens the ViviLink Menu.

Other

Shutter	STARTS and STOPS your video capture. Saves your selected menu option.
MENU	Opens the menu options for Video Capture Mode. Exits the Menu screen. Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.
MODE	Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode.

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.

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 highlight the desired menu option.
4. Press the **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 **MENU** 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 higher resolution 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 **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 **MENU** 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 Balance Menu

The White Balance 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 Balance menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **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 **MENU** 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 highlight the desired menu option.
4. Press the **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 **MENU** 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.

Image 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 Image Sharpness menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **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 **MENU** 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.

Light 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 Light Exposure menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **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 **MENU** 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 **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 **MENU** 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 **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 **MENU** 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 **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 **MENU** 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 **OK** 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 **OK** button to save your settings and return to the previous mode.
8. Press the **MENU** 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 **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 **MENU** 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 Power 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 Power Off menu.
3. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
4. Press the **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 **MENU** 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 highlight the desired menu option.
4. Press the **MENU** 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 **MENU** 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 Memory Card 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 can only 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 Memory Card menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **MENU** button to exit the menu and return to your previous mode.

5. To Format the Memory Card:

- If you would like to proceed with the format, select 'Yes' and press the **OK** button to confirm and reconfirm.
- The memory card will be completely formatted.
- You will automatically exit the menu and return to the previous mode.

6. To Exit the Format Memory Card Menu:

- If you would like to exit the format without formatting the memory card, select 'Cancel' and press the **OK** button.
- You will automatically exit the menu and return to the previous mode.

TV Out Menu

TV Out 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 Out menu.
3. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
4. Press the **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 **MENU** 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. Press the **MENU** button to exit the menu and return to your previous mode.
4. To RESET the digital video recorder's settings to the Factory Default Settings, press the **OK** button to select 'Default Setting'.
 - If you would like to proceed with the reset, select 'Yes' and press the **OK** button to confirm.

The settings will be reset.

You will automatically exit the menu and return to the previous mode with the digital video recorder settings set to the Factory Default Settings.
 - If you would like to exit the format, select 'Cancel and press the **OK** button.

You will automatically exit the menu and return to the previous mode.

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 camcorder.

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

Videos appear with an 'AVI' icon.

Photos appear with a 'JPG' icon.

Playing Videos on Your Digital Video Recorder

1. Select your video:

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

2. Play your selected video:

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

Thumbnail View

Use the  **DOWN / Zoom Out** button to display the images on your camera in Thumbnail View.

The images (videos and photos) on your camera will be displayed in a 3 X 3 matrix where you can scroll and select images from the thumbnails.

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

All the images (both videos and photos) 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.

Videos are shown with a 'V' on the Thumbnail.

3. Press the **OK** button to enlarge the video 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.

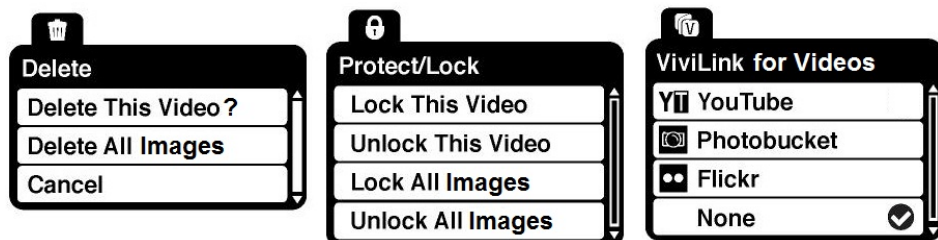
Button	Function
Left	Displays the PREVIOUS Image.
Up	STOPS your Video Playback.
Right	Displays the NEXT Image.
Down	Opens the Thumbnail View. <i>Note: To navigate through the Thumbnail View, use the UP/DOWN/LEFT/RIGHT directions control buttons.</i>

Other

Shutter	STARTS Video Playback. PAUSES and continues the Video Playback. Saves your selected menu option.
MENU	Opens the menu options for Video Playback Mode. Exits the Menu screen. <i>Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.</i>
MODE	Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode.

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 and photos from your camera using 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 highlight the desired menu option.
5. To exit without deleting any of your captured images, select 'Cancel' and press the **OK** button.
6. To delete the selected video, select "**Delete This Video**" and press **OK** button.
 - If you would like to proceed with deleting the current image: select 'Yes' and press the **OK** button to confirm. The video 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 **OK** button. The video will not be deleted and you will exit the menu and return to the Playback mode.
7. To delete all the images (videos and photos) you have saved on your SD Memory card, select '**Delete All Images**' and press the **OK** button.
 - If you would like to proceed with deleting all the videos and photos, select 'Yes' and press the **OK** button to confirm.

All of your images will be permanently deleted.

A blank 'No File' screen will appear.

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

Remember: Your images will be deleted except images that are Protected/Locked.

To delete a locked image, first unlock the image, then select 'Delete'.

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. View the image you would like to lock/unlock.
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 Protect/Lock menu.
4. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
You can select to ‘Lock’ or ‘Unlock’ each image or ‘Lock’ or ‘Unlock’ all images.
5. Press the **OK** button to select and save the desired option.
6. Press the **LEFT** or **RIGHT** button to select the next menu item.
7. Press the **MENU** button to exit the menu and return to your previous mode.
8. 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.
9. Remember that you cannot delete or edit photos while they are locked.

ViviLink Menu

The ViviLink technology allows you to quickly and easily upload your camera’s photos and videos to the social networks of your choice with the accompanying Vivitar Experience Image Manager application.

1. View the image to which you would like to add or change a ViviLink.
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 ViviLink menu.
4. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
5. Press the **OK** button to select and save the desired option.
6. A  selected option icon will appear on the selected item
7. Press the **MENU** button to exit the menu and return to your previous mode.
8. An icon will appear on the image with the selected ViviLink destination site.
9. Remember that the ViviLink feature is deactivated by default. A ViviLink destination will only be assigned to a photo or video if you manually set it from this menu or from the ViviLink

menu in Capture mode (accessible with the VivioLink Quick-Function button in Capture mode). Changing the VivioLink destination site will also make the selected site the new default VivioLink option. A new default can be selected at any time through this menu.

Photo Capture Mode

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

- When the camcorder is first powered ON, the camcorder will be in Video Capture Mode by default.
- Press the **MODE** button twice to enter the Photo Capture mode.

Taking a Picture

1. While in Photo 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  **RIGHT / LED** button to turn the LED light on to better illuminate the area you would like to photograph.
4. Click the **Shutter** button to take the picture.
5. The picture will automatically be saved to the SD memory card.

LED Flash Light

To add more light in a dark situation the camera has an LED flash light.

1. Press the **RIGHT / LED ON-OFF** button once to turn the LED On.
2. Press the **RIGHT / LED ON-OFF** button again to turn the LED Off.

Photo Capture Mode Quick Function Buttons

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

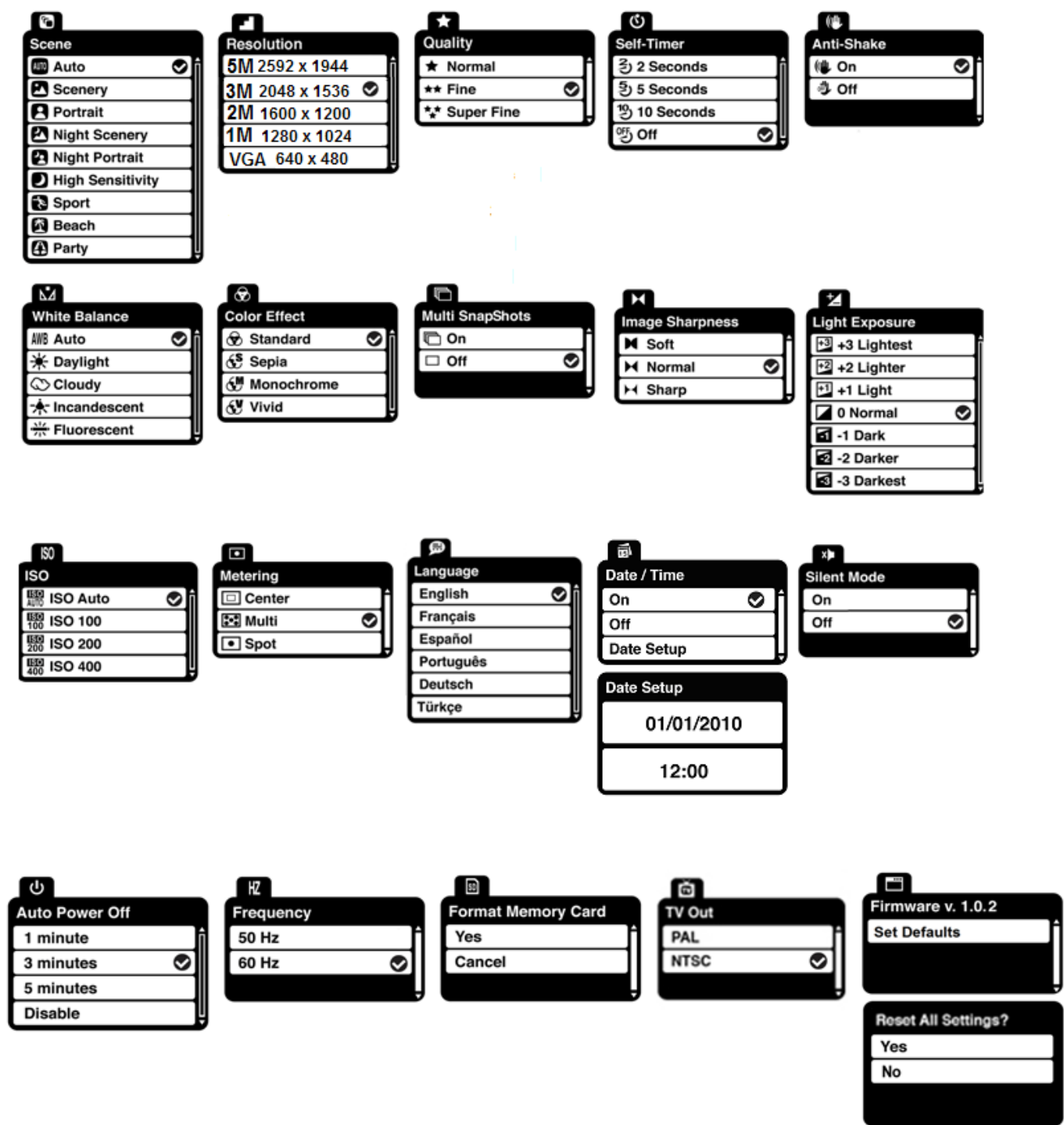
Button	Function
 Up	Zooms in.
 Right	Turns the LED light on or off.
 Down	Zooms Out.
 Left	Opens the ViviLink Menu.

Other

Shutter	Captures a Photo. Saves your selected menu option.
MENU	Opens the menu options for Photo Capture Mode. Exits the Menu screen. Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.
MODE	Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode.

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 highlight the desired menu option.
4. Press the **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 **MENU** 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 higher resolution 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 **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 **MENU** button to exit the menu and return to your previous mode.
8. An icon reflecting your selection will display on the LCD screen.

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 **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 **MENU** 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 Balance Menu

The White Balance 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 Balance menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **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 **MENU** 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 Snapshots Menu

When enabled, the Multi Snapshots feature allows you to take three 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 Snapshots menu.
3. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
4. Press the **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 **MENU** 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.

Image 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 Image Sharpness menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **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 **MENU** 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.

Light 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 Light Exposure menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **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 **MENU** 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 **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 **MENU** 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 **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 **MENU** 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 **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 **MENU** 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 **OK** 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 **OK** button to save your settings and return to the previous mode.
8. Press the **MENU** 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 **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 **MENU** 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 Power 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 Power Off menu.
3. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
4. Press the **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 **MENU** 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 highlight the desired menu option.
4. Press the **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 **MENU** 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 Memory Card 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 can only 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 Memory Card menu.
3. Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.
4. Press the **MENU** button to exit the menu and return to your previous mode.

5. To Format the Memory Card:

- If you would like to proceed with the format, select 'Yes' and press the **OK** button to confirm and reconfirm.
- The memory card will be completely formatted.
- You will automatically exit the menu and return to the previous mode.

6. To Exit the Format Memory Card Menu:

- If you would like to exit the format without formatting the memory card, select 'No' and press the **OK** button.
- You will automatically exit the menu and return to the previous mode.

TV Out Menu

TV Out 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 out menu.
3. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
4. Press the **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 **MENU** 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. Press the **MENU** button to exit the menu and return to your previous mode.
4. To RESET the digital video recorder's settings to the Factory Default Settings, press the **OK** button to select 'Default Setting'.
 - If you would like to proceed with the reset, select 'Yes' and press the **OK** button to confirm.
The settings will be reset.
You will automatically exit the menu and return to the previous mode with the digital video recorder settings set to the Factory Default Settings.
 - If you would like to exit the format, select 'No' and press the **OK** button.
You will automatically exit the menu and return to the previous mode.

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 (photo or video) appears on the LCD screen. If there are no images stored, a message (No File) appears.

Videos appear with an 'AVI' icon.

Photos appear with a 'JPG' icon.

Viewing Photos on Your Digital Video Recorder

1. Select your photo:

- Once in Playback mode, press **LEFT** or **RIGHT** direction buttons to scroll through the images on your digital video recorder's memory card until you find the image you would like to view.
- Each captured image (videos and photos) will display on the LCD screen.
- Photos will 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 photo.
- Press the  **DOWN / Zoom Out** button to Zoom Out of the selected zoomed photo. Use the **UP / DOWN / LEFT / RIGHT** direction buttons to navigate around the photo.
- While the photo is zoomed in/out, press the **Shutter / OK** button to hide the display of the icons on the screen (except the magnification).
- Press the **Shutter / OK** button again to return to the full sized photo.

Thumbnail View

Use the  **DOWN / Zoom Out** button to display the images on your camera in Thumbnail View.

The images (videos and photos) on your camera will be displayed in a 3 X 3 matrix where you can 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 **OK** button to select and enlarge the photo full size.

Photo Playback Mode Quick Function Buttons

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

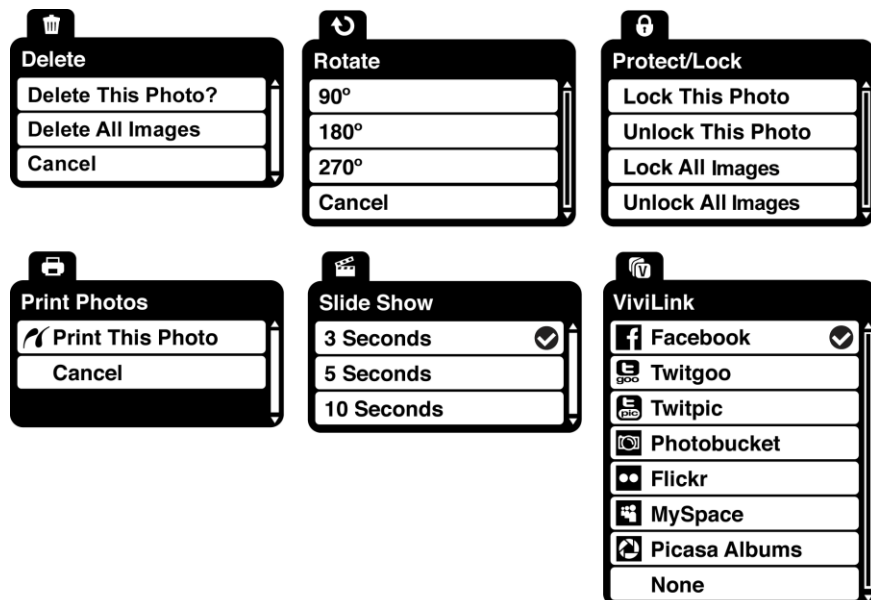
Button	Function
Left	Displays the PREVIOUS Image.
Up	Zooms In.
Right	Displays the NEXT Image.
Down	Zooms Out. Opens the Thumbnail View. Note: To navigate through the Thumbnail View, use the UP/DOWN/LEFT/RIGHT directions control buttons.

Other

Shutter	Saves your selected menu option.
MENU	Opens the menu options for Video Playback Mode. Exits the Menu screen. Note: To navigate through the Menus, use the UP/DOWN/LEFT/RIGHT directions control buttons.
MODE	Toggles between the Photo Capture Mode, Video Capture Mode and Playback Mode.

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 videos and photos from your camera using 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 highlight the desired menu option.
5. To exit without deleting any of your captured images, select 'Cancel' and press the **OK** button.
6. To delete the selected photo, select "Delete This Photo" and press **OK** button.
 - If you would like to proceed with deleting the current image: select 'Yes' and press the **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 **OK** button. The photo will not be deleted and you will exit the menu and return to the Playback mode.
7. To delete all the images (videos and photos) you have saved on your SD Memory card, select 'Delete All Images' and press the **OK** button.
 - If you would like to proceed with deleting all the videos and photos, select 'Yes' and press the **OK** button to confirm.

All of your images will be permanently deleted.

A blank 'No File' screen will appear.

Press the **MODE** button to exit the 'No File' screen and return to Video Capture mode.

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

Remember: *Your images will be deleted except images that are Protected/Locked.*

To delete a locked image, first unlock the image, then select 'Delete'.

Rotate Menu ↺

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

1. View the image you would like to rotate.
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 Rotate menu.
4. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
5. Press the **OK** button to select and save the desired option.
6. The selected picture will now appear rotated in the Playback mode – saved as a new image.

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. View the image you would like to lock/unlock.
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 Protect/Lock menu.
4. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
You can select to 'Lock' or 'Unlock' each image or 'Lock' or 'Unlock' all images.
5. Press the **OK** button to select and save the desired option.
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.

- 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.
- Remember that you cannot delete or edit photos while they are locked.

Print Photos Menu

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

- Scroll through your pictures and find the one you would like to print.
- Press the **MENU** button to open the menus for the current mode.
- Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Print Photos menu.
- Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- Press the **OK** button when highlighting the “Print Photo” option to print the selected photo.
- You will be asked to connect the camera to the Pictbridge printer.
- Connect the camera’s built-in USB connector to the Pictbridge port of the printer.
- Once connected, follow the instructions on the printer to proceed with the printing process.
- Select the “Cancel” option to exit the menu and return to the previous mode.

Slide Show Menu

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

- Press the **MENU** button to open the menus for the current mode.
- Press the **LEFT** or **RIGHT** direction control buttons to scroll and select the Slide Show menu.
- Press the **UP** or **DOWN** direction control buttons to highlight the desired menu option.

Select from one of the following options:

- Select the 3, 5, or 10 second interval option, then press **OK** to confirm.
- To begin the Slide Show: Select ‘Play’ and press the **OK** button.

Press the **UP** button to pause and again to resume the Slide Show.

Press **OK** button to exit the Slide Show and return to Playback mode.

- A  selected option icon will appear on the selected item.
- Press the **LEFT** or **RIGHT** button to select the next menu item.
- Press the **MENU** button to exit the menu and return to your previous mode.

ViviLink Menu

The ViviLink technology allows you to quickly and easily upload your camera's photos and videos to the social networks of your choice with the accompanying Vivitar Experience Image Manager application.

1. View the image to which you would like to add or change a ViviLink.
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 ViviLink menu.
4. Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
5. Press the **OK** button to select and save the desired option.
6. A  selected option icon will appear on the selected item
7. Press the **MODE** button to exit the menu and return to your previous mode.
8. An icon will appear on the image with the selected ViviLink destination site.
9. Remember that the ViviLink feature is deactivated by default. A ViviLink destination will only be assigned to a photo or video if you manually set it from this menu or from the ViviLink menu in Capture mode (accessible with the ViviLink Quick-Function button in Capture mode). Changing the ViviLink destination site will also make the selected site the new default ViviLink option. A new default can be selected at any time through this menu.

Connecting the Camera to a TV

The 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 camera's AV slot and to the TV, the LCD screen turns blank. Use the digital video recorder 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 camera to a TV with the TV cable (supplied).
Connect the black jack into the camera's AV slot.
Connect the yellow jack into the TV – Video port.
Connect the white jack into the TV – Audio port.
2. Turn On the TV and the camera, and then set the TV to "AV" mode.
3. You will need to set the TV format on the camera to suit the TV format of your TV set.
4. Make sure the camera is set to the correct TV Output setting. On plugging in the TV out cable a message will appear on the LCD screen to select NTSC or PAL for the type of TV you are using.
5. Select the option as per the format (NTSC or PAL) of the TV set you are using and press the **OK** button.
6. When the camera is set to Video or Photo capture mode, you can preview the subjects you want to record on the TV screen and view the recording live on the TV.
7. When the camera is set to Playback mode, you can review all the stored photos and videos on the TV.

To view images in Playback Mode, press the **Left** or **Right** button to select the image file to view. To play a selected Video, press the **Shutter** button.

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.

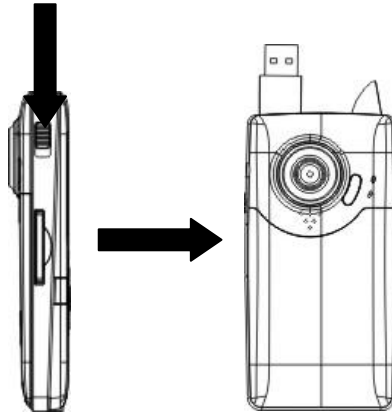
Click the “Launch Vivitar Experience Image Manager” to open the application.

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.

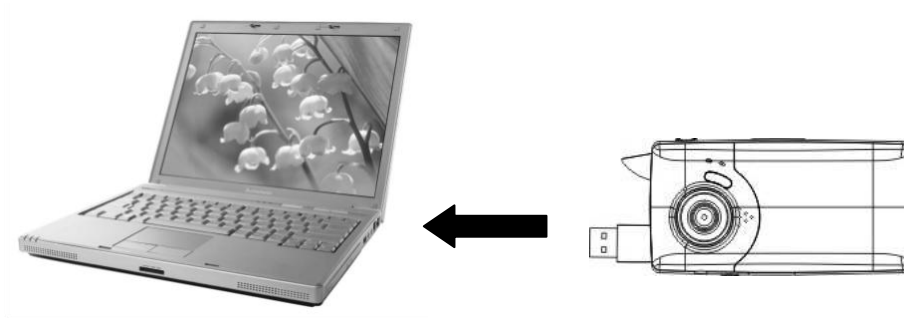


Connecting the Camera to the Computer

1. Slide the USB switch down to reveal and extend the built-in USB connector.



2. Power the camcorder on.
3. Insert the camera's built-in USB connector to the computer's USB port to make the connection.



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.

Getting Photos and Videos from your Camera to Your Computer

An SD card needs to be inserted in your camera. Do not disconnect the built in USB connector 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 media 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 Media” 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.

Getting 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 a Tour” button on the application’s Home page.

Transfer media from my Camera to my Computer Manually

WINDOWS OS

1. Connect your digital camcorder to your computer:

Slide the USB switch down to reveal and extend the built-in USB connector.

Power the camcorder on.

Insert the camera’s built-in USB connector to the computer’s USB port to make the connection.

2. MSDC appears on the LCD.
3. A window appears with a list of options, select “Open folder to view files” and click OK.
4. Open the DCIM folder and the folder inside to view the media files.
5. 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.
6. We recommend that you copy the images into the Pictures/My Pictures folder and the videos into the Videos/My Videos folder.
7. Do not disconnect the USB connection during transfer. Doing so will cancel the transfer of any files on their way to your computer.

MACINTOSH OS

1. Connect your digital camcorder to your computer:
Slide the USB switch down to reveal and extend the built-in USB connector.
Power the camcorder on.
Insert the camera's built-in USB connector to the computer's USB port to make the connection.
2. MSDC appears on the LCD.
3. The camera's device icon appears on the desktop.
4. Click on the device icon and open the DCIM folder and the folder inside to view the media files.
5. 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.
6. We recommend that you copy the images into the Pictures folder and the videos into the Movies folder.
7. Do not disconnect the USB connection during transfer. Doing so will cancel the transfer of any files on their way to your computer.

Transferring Photos and Videos: Apple iPad

NOTE: Please check your device packaging for compatibility with the iPad.

Apple iPad Camera Connection:

For models that are compatible with the iPad, photos and videos can be imported from your digital camera to your iPad by following either one of the options below:

1. Connecting your digital camera to your iPad using an iPad Camera Connector:
Plug the Camera Connector into the dock connector port on your iPad, then attach your digital camera using the built-in USB connector to the Camera Connector.
NOTE: iPad Camera Connector not included. This may be purchased separately.
2. Using an iPad SD Card Reader:
Connect the SD Card Reader to your iPad, then insert your digital camera's SD card into the slot to import photos and videos directly from your camera's SD card.
NOTE: iPad SD Card Reader not included. This may be purchased separately.

After you make the connection, your iPad automatically opens the Photos application, which lets you choose which photos and videos to import, then organizes them into albums.

Camera Maintenance

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

Do not expose your camcorder to heat sources.

Do not use your camcorder 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> Sakar International Attention: Service Department 195 Carter Drive Edison, NJ 08817	<u>Sakar UK/Europe</u> Attention: Service Department 2D, Siskin Parkway East 4020 Middlemarch Business Park Coventry, CV3 4PE	<u>Sakar Australia</u> Return faulty camera to the Refund Counter at the store where purchased
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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.