

DVR 528 Digital Video Camera

User Manual



Vivitar[®]
we make it easy[™]

© 2010 Sakar International, Inc. All rights reserved.

Windows and the Windows logo are registered trademarks of Microsoft Corporation.

All other trademarks are the property of their respective companies.

Contents

Introduction	2
What Your Camera Includes	2
Camera Technical Specifications	3
Computer System Requirements – Windows.....	4
Computer System Requirements – Macintosh.....	4
A Quick Look at your Digital Camera	5
Initial Camera Setup.....	6
Using Your Digital Camera	8
Changing Camera Mode	9
Navigating the Menus.....	10
Video Capture Mode	10
Video Playback Mode.....	27
Photo Capture Mode	31
Photo Playback Mode	50
TV Out Function to Connect the Camera to a TV.....	55
Installing the Software	56
Connecting the Camera to the Computer	59
Getting Photos and Videos from Your Camera to Your Computer	60
Get started!	61
Transfer media from my camera to my computer manually (Using Windows)	62
Transfer media from my camera to my computer manually (Using Macintosh)	63
Camera Maintenance	63
Sakar Warranty Card.....	64
Technical Support.....	65
Troubleshooting.....	66

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 8GB) 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

- Digital Video Camera
- Vivitar Experience Image Manager software Installation CD
- USB cable
- TV Cable
- Easy Guide
- Strap
- Warranty Certificate

Camera Technical Specifications

Image Sensor	CMOS
Image Resolution	(5M) 2592x1944 pixels, (3M) 2048x1536 pixels, (2M) 1600x1200, (1M) 1280x1024 pixels, (VGA) 640x480 pixels
Video Resolution	1280X720 (HD), 640X480(VGA), 320X240(QVGA)
File Format	JPEG/AVI
External Memory	SD Card (up to 8GB)
LCD Display	1.5 Inch TFT
Lens	F3.0 Fixed Focus
Focus Range	150cm ~ infinity
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
Self-Timer	2, 5 or 10 second delay
Color Effects	Standard, Sepia, Monochrome, Vivid
Speaker	Yes
Microphone	Yes
TV Out	NTSC, PAL
Interface	USB 2.0
System Requirements	Windows XP and above / Mac OSX 10.5 and above
Battery	3 * AAA (1.5V) batteries
Working Temperature	0~40 °C

Computer System Requirements – Windows

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

- Pentium 4 processor or above with Windows XP service pack 2, Windows Vista or Windows 7
- 512 MB RAM, with 100MB of free disk space
- 1024 x 768 Recommended screen resolution
- 16-bit color or higher display adaptor
- CD-ROM Drive
- QuickTime 6 or higher
- Microsoft Internet Explorer 7 or higher
- Windows Media Player 10 or higher
- Internet connection required

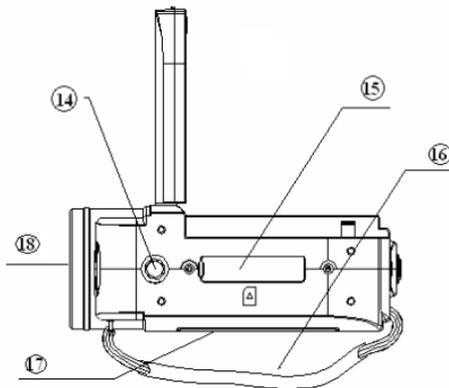
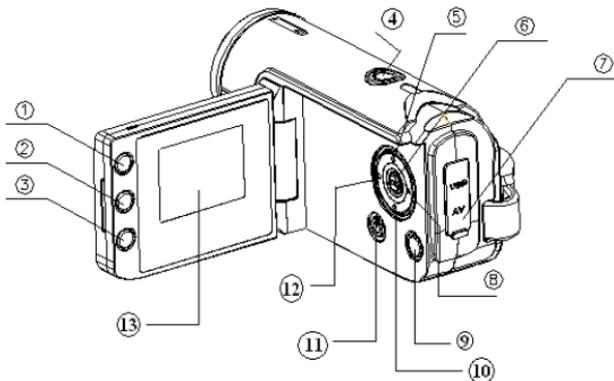
Computer System Requirements – Macintosh

Macintosh with Intel processor running Mac OS X v10.5 or later

- 256 MB RAM, 100 MB free disk space
- Display: 1024 x 768 or higher-resolution monitor
- QuickTime 6 or higher
- Internet connection required

A Quick Look at your Digital Camera

1. Display Button
2. LED On/Off
3. DV/DSC Button
4. Shutter Button
5. Up / Zoom In Button
6. OK Button
7. USB / AV Slot
8. Right / Self-Timer Button
9. Slideshow Button
10. MENU Button
11. Down / Zoom Out Button
12. Power Button
13. LCD Screen
14. Tripod Socket
15. SD Memory Card Slot
16. Wrist Strap connector
17. Battery Compartment
18. Lens



Initial Camera Setup

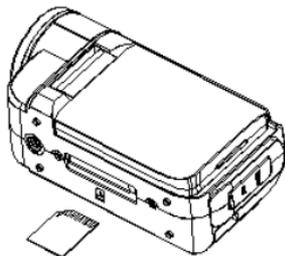
When powering the camera ON **for the first time** the camera will take you through the initial camera setup.

Powering the Camera ON

- 1) Make sure the batteries have been inserted properly into your digital camera.



- 2) Make sure an SD card has been inserted into your camera.



- 3) Press the POWER  button to turn on the camera.

Setting the Camera Language

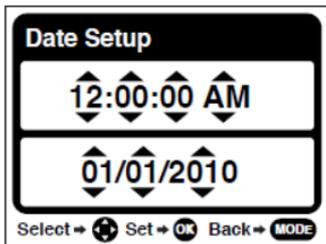
- 1) You will first be prompted to select a language for the camera. The Language selection menu will appear. Select the language of your choice and press the **OK** button to confirm the selection.
- 2) After selecting a language, you will be asked if you would like to continue with the initial camera setup. A message will appear: “Continue with Camera Setup?” Select “Yes” to continue or “No” to exit the setup.

Note: If you select “No” and decide to leave the camera setup, the camera will be set to its default settings.

These settings can be adjusted at any time manually through the menus in the camera.

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 **OK** button to confirm the selection and move to the next part of the camera setup.

Using Your Digital Camera

Make sure the batteries have been inserted properly into your digital camera.

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: your digital 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.

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** - 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 photos.

To change the active camera mode, make sure the camera is powered ON and press the DV/DSC 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 Menu

Each camera mode has a set of menus specific to that mode. Press the **MENU** button to open the menus for the current mode.

- 1) Press the **LEFT or RIGHT** direction control buttons to scroll between the various menus for the current mode.
- 2) Press the **UP or DOWN** direction control buttons to highlight the desired menu selection.
- 3) Press the **OK** button to confirm and select the highlighted menu option.
- 4) 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.
- 5) Some menu options are single-use functions that are not remembered by the camera and do not display this icon when selected.
- 6) 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 camera. When the camera is first powered ON, the camera will be in Video Capture Mode by default.

Taking a Video

- 1) While in Video 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 on the left of the LCD Panel to better set the camera display if desired.
- 3) Press the LED ON/OFF button on the left of the LCD Panel to turn the LED light on to give more light.
- 4) Press the Shutter button on the top of the camera 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 SD card memory card.

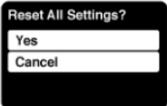
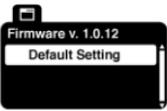
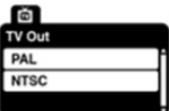
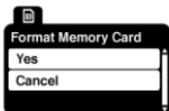
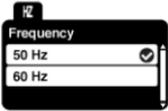
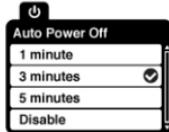
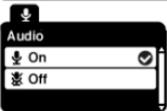
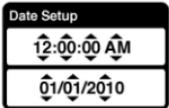
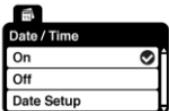
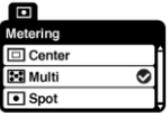
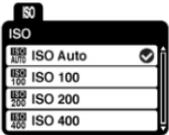
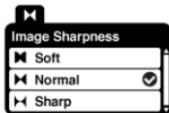
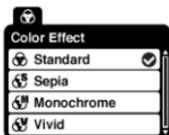
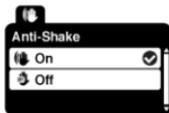
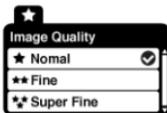
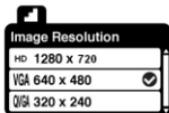
Video Capture Mode Quick Function Buttons

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

<i>Button</i>	<i>Function</i>
Left	No Function
Up	Zoom In
Right	Change Resolution
Down	Zoom Out

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 allow your camera to adapt properly to your current environment.

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

Image Resolution Menu

The Image 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 UP or DOWN direction control buttons to scroll through the menu options.

- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen.
- 6) Remember that this setting will be remembered by your camera until you manually change the setting or restore the camera's default factory settings.

Image Quality Menu ★

The Image 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen.

- 6) Remember that this setting will be remembered 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 corruption that can be caused by movement of the camera while capturing the image.

- 1) Press the UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen.
- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen
- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen
- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.

- 5) An icon reflecting your selection will display on the LCD screen
- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.

- 5) An icon reflecting your selection will display on the LCD screen
- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen

- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.

3) A  selected option icon will appear on the selected item

- 4) Press the MENU button to exit the menu and return to your previous mode.

- 5) An icon reflecting your selection will display on the LCD screen
- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon now appears to the right of the option name
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) Remember that this setting will be remembered by your camera until you manually change the setting or restore the camera's default factory settings.

To Set the Date and Time:

- 1) Highlight the "Date Setup" menu option.
- 2) Press the **OK** button to select the desired option.
- 3) The Date Setup submenu will open

- 4) Scroll through the window with the right and left navigation buttons. For each field in the menu, use the up and down navigation buttons to set the time and date.
- 5) Press the MENU button to exit the menu and return to your previous screen

Audio Menu

The Audio menu allows you to control the camera's ability to record audio in the video clips recorded with your camera in addition to the video record.

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

Frequency Menu **HZ**

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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) Remember that this setting will be remembered 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 **UP** or **DOWN** direction control buttons to highlight the menu options. While scrolling down the selected option will be highlighted.
- 2) If you would like to proceed with the format, select “Yes” and press the **OK** button.
- 3) You will be asked to confirm your wish to format your memory card.
- 4) Select “No” to exit without formatting.
- 5) Select “Yes” and press the **OK** button to begin the format.
- 6) The memory card will be completely formatted
- 7) A message will appear confirming that your memory card has been formatted clean.

TV Out Menu



The TV Out menus allows you to view your camera’s display on a TV or monitor when the camera is connected to it. Your camera’s display will be disabled while the TV Out feature is in use. Be sure to select the TV Out option that matches your current TV format – NTSC or PAL.

- 1) Press the UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.

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

Factory 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) Select the "Default Setting".
- 2) Press the **OK** button.
- 3) You will be asked to confirm your wish to restore all of the factory settings
- 4) The settings will be reset.
- 5) A message will appear indicating that the settings have been reset successfully.

Video Playback Mode

When you first turn on the camera, the camera will be in Video Capture mode by default. Press the **DV/DSC** button twice to open the **Playback** Mode. The playback mode will allow you to review and edit photos and videos that you've already taken with you camera.

Playing Videos on Your Camera

Once in Playback mode, press the LEFT or RIGHT direction buttons to scroll through the images on your camera's memory card. Each image will display on the LCD screen.

When you find a video that you would like to play, press the **OK** button to start playing the video. Press the **OK** button again to pause the video and 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 **Shutter** button.

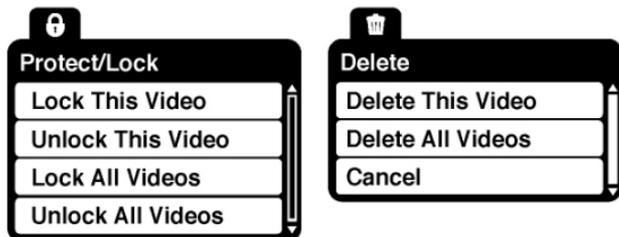
Video Playback Mode Quick Function Buttons

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

Button	Action
Left	Select PREVIOUS image
UP	No Function
Right	Select NEXT image
Down	No Function

Video Capture Mode Menus

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



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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) Press the MENU button to exit the menu and return to your previous mode.

- 4) 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.
- 5) Remember that you cannot delete locked videos.

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 **OK** button to open the menus.
- 3) Scroll to 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 This Video”.
- 6) To delete all the images (including all unlocked photos and videos) on your camera’s memory card, select “Delete All Images”.
- 7) Press the **OK** button to select the desired option.
- 8) You will be asked to confirm your selection.
- 9) The videos will be deleted as desired.

Photo Capture Mode

The Photo Capture mode allows you to capture pictures with your digital camera. Press the DV/DSC button once to enter the Photo Capture mode.

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 button on the top of the camera to take the picture.
- 4) The picture will automatically be saved to the memory or SD card.

Photo Capture Mode Quick Function Buttons

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

Left	No Function
Up	Zoom In
Right	Self-Timer
Down	Zoom Out

Hide/Show the LCD Icons

The display of the icons on the LCD screen can be hidden or visible as desired.

- 5) Press the **DISPLAY** button once to hide the display of the icons on the screen.
- 6) Press the **DISPLAY** button twice. The LCD will go blank.
- 7) Press the **DISPLAY** button again to redisplay the icons on the screen.

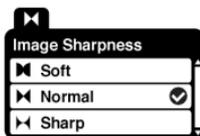
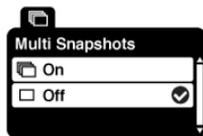
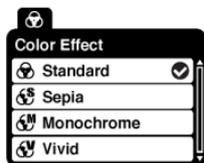
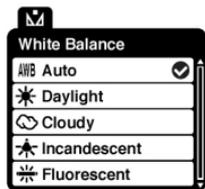
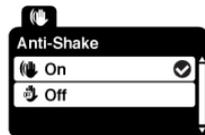
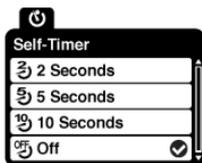
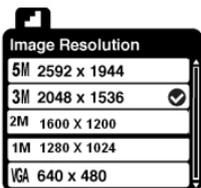
LED Flash Light

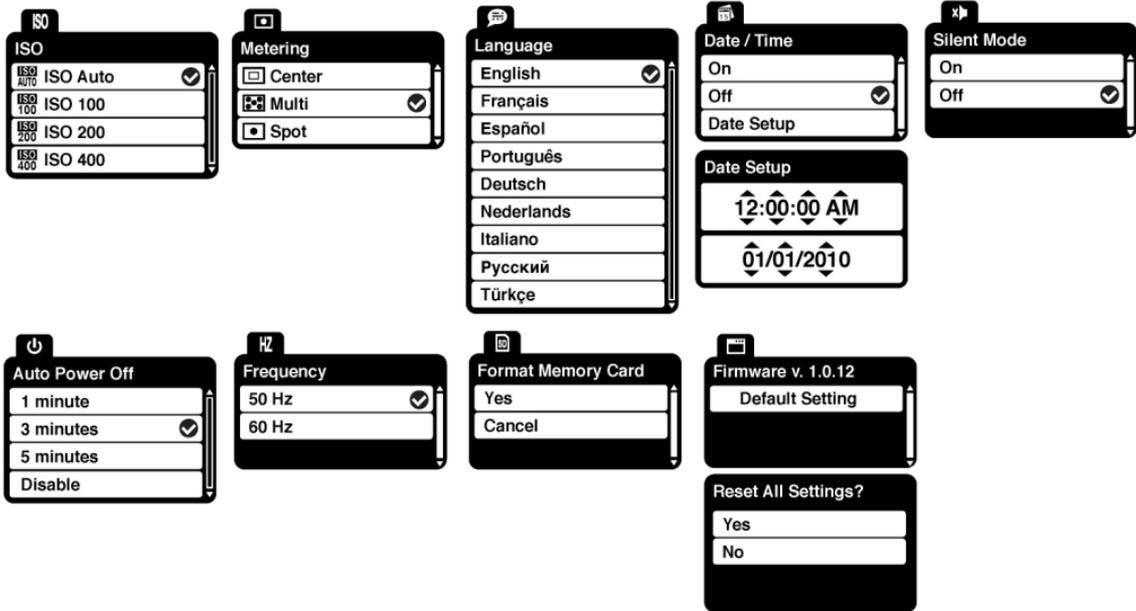
To add more light in a dark situation the camera has a LED flash light.

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

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 allow your camera to adapt properly to your current environment.

- 1) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select 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 **MENU** 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 remembered by your camera until you manually change the setting or restore the camera's default factory settings.

Image Resolution Menu

The Image 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select 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 **MENU** 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 remembered by your camera until you manually change the setting or restore the camera's default factory settings.

Image Quality Menu

The Image 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select 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 **MENU** 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 remembered 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 would 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select 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 **MENU** 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 remembered 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 corruption that can be caused by movement of the camera while capturing the image.

- 1) Press the UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen.
- 6) Remember that this setting will be remembered 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **SET** button to select 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 remembered 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **SET** button to select 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) Remember that this setting will be remembered 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 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **SET** button to select 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 remembered 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **SET** button to select 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 remembered 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **SET** button to select 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 remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen
- 6) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) An icon reflecting your selection will display on the LCD screen
- 6) Remember that this setting will be remembered 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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **SET** button to select 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) Remember that this setting will be remembered 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 UP or DOWN direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon now appears to the right of the option name
- 4) Press the MENU button to exit the menu and return to your previous mode.
- 5) Remember that this setting will be remembered by your camera until you manually change the setting or restore the camera's default factory settings.

To Set the Date and Time:

- 1) Highlight the "Date Setup" menu option.
- 2) Press the **OK** button to select the desired option.
- 3) The Date Setup submenu will open
- 4) Scroll through the window with the right and left navigation buttons. For each field in the menu, use the up and down navigation buttons to set the time and date.

Press the MENU button to exit the menu 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 that the camera emits when performing camera functions.

- 1) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select 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 **MENU** button to exit the menu and return to your previous mode.
- 6) Remember that this setting will be remembered 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 powered on again with the power button before the next use.

- 1) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select 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 **MENU** button to exit the menu and return to your previous mode.
- 6) Remember that this setting will be remembered by your camera until you manually change the setting or restore the camera's default factory settings.

Frequency Menu HZ

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 waves on the images taken by your camera.

- 1) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select 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 **MENU** button to exit the menu and return to your previous mode.
- 6) Remember that this setting will be remembered 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 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 **UP or DOWN** direction control buttons to highlight the menu options. While scrolling down the selected option will be highlighted.
- 2) If you would like to proceed with the format, select "Yes" and press the **OK** button.
- 3) You will be asked to confirm your wish to format your memory card.
- 4) Select "No" to exit without formatting.
- 5) Select "Yes" and press the **OK** button to begin the format.
- 6) The memory card will be completely formatted
- 7) A message will appear confirming that your memory card has been formatted clean.

Factory 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) The “Default Setting” is selected.
- 2) Press the **OK** button to reset the camera to the factory default settings.
- 3) You will be asked to confirm your wish to restore all of the factory settings.
- 4) Press the **UP** or **DOWN** buttons to select “Yes” and press the **OK** button to begin the format.
- 5) The camera will be reset.
- 6) A message will appear indicating that the settings have been reset successfully.

Photo Playback Mode

When you first turn on the camera, the camera will be in Video Capture mode by default. Press the **DV/DSC** button twice to open the **Playback** Mode. The playback mode will allow you to review and edit photos and videos that you've already taken with you camera.

Viewing Photos on Your Camera

Once in the Playback mode, press the **LEFT** or **RIGHT** direction buttons to scroll through the images on your camera's memory card. Photos appear with a **JPG** icon on the top left of the LCD screen .

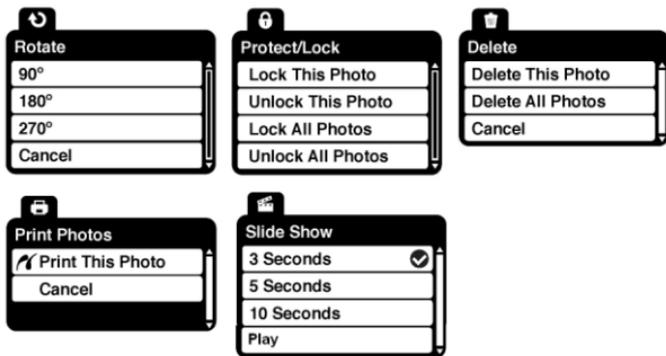
Zooming In/Out on a Photo

Press the **Up / Zoom In** button to zoom in on a photo on your camera. Use the direction buttons to navigate around the photo.

Press the **Down / Zoom Out** button to zoom out on a photo on your camera.

Photo Playback Mode Menus

The following are the menus that appear in your camera's Photo Playback Mode. Press the MENU button for the menus to appear.



Rotate Menu

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

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

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 **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) Press the **LEFT** or **RIGHT** button to select the next menu item.
- 4) Press the **MENU** button to exit the menu and return to your previous mode.

- 5) 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.
- 6) Remember that you cannot delete or edit photos while they are locked.

Delete Menu

While in the playback mode, you can delete pictures from your camera through the delete menu.

- 1) Use the **LEFT** or **RIGHT** buttons to select the image you would like to delete.
- 2) Press the **OK** button to open the menus.
- 3) Scroll to the Delete Menu.
- 4) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 5) To delete this one photo, select “Delete This Photo”
- 6) To delete all the images (including all unlocked photos and videos) on your camera’s memory card, select “Delete All Images”.
- 7) Press the **OK** button to select the desired option.
- 8) You will be asked to confirm your selection.
- 9) The photos will be deleted as desired.

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.

- 1) Scroll through your pictures and find the one you would like to print.
- 2) Open the Print Photos menu.
- 3) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 4) Press the **OK** button when highlighting the “Print This Photo” option to print the selected photo.
- 5) You will be asked to connect the camera to the Pictbridge printer.
- 6) Connect the USB cable provided in the package form the camera to the Pictbridge port of the printer.
- 7) Once connected, follow the instructions on the printer to proceed with the printing process.
- 8) Select the “Cancel” option to exit the menu and return to the previous mode.

Slide Show Menu

You can view a slideshow of all the pictures taken with your camera while in the playback mode.

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

Set the Interval:

- 1) Press the **UP** or **DOWN** direction control buttons to scroll through the menu options.
- 2) Press the **OK** button to select the desired option.
- 3) A  selected option icon will appear on the selected item.

Play the Slide Show:

- 1) Press the **UP** or **DOWN** direction control buttons to select the **Play** option from the menu.
- 2) Press the **OK** button to select the desired option.
- 3) The Slide Show will begin to play.
- 4) Press the Up button to pause and again to resume.
- 5) Press the **MENU** button to exit the Slide Show and return to your previous mode.

TV Out Function to Connect 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-out cable (supplied) to the camera's AV out jack, the LCD screen will turn 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 camera to a TV via the TV-out cable (supplied).
- 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) In the Video Capture mode there is a TV Out menu option – NTSC or PAL.
- 5) Select the option as per the format of the TV set you are using and press the **OK** button.
- 6) When the camera is set to record mode, you can preview the subjects you want to record on the TV screen.
- 7) When the camera is set to Playback mode, you can review all the photos and videos stored in the SD memory card 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.
The application will automatically open.
- 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 Application (Mac) menu on your computer.



Connecting the Camera to the Computer

- 1) Use the USB cable that came with your camera to connect your camera to your computer.
- 2) Power the camera on.

- 3) 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. 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 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.

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, MySpace, Picasa, Photobucket 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) Use the USB cable that came with your camera to connect your camera to your computer.
- 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 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) Use the USB cable that came with your camera to connect your camera to your computer.
- 2) MSDC appear 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 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 you 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.

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:

- 11) Copy of **original** bill of sale
- 12) A detailed written description of the problem.
- 13) 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
--	---	---

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.