

ITRC Guide

User Guide - Digital Still Camera (Sony Mavica MVC-FD95)

Introduction

The Sony Mavica (MVC-FD95) is a user friendly still camera that allows the user to take digital photos and record short MPEG video files. The still images and video files are stored on a 1.44MB floppy disk. The purpose of this document is to assist the novice user in using the Sony Mavica in under twenty minutes. This document will cover the following areas:

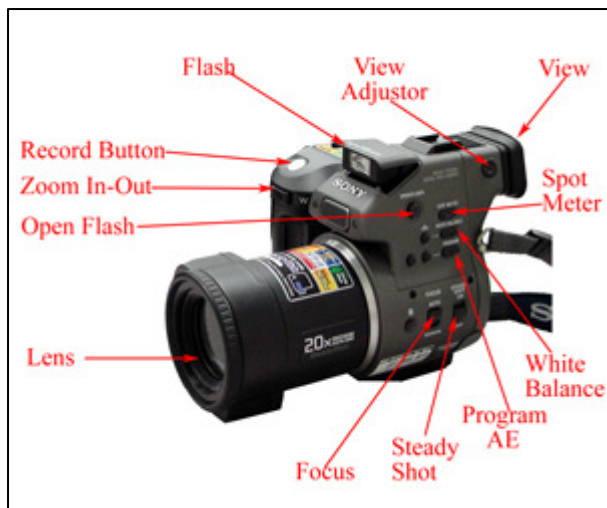
- Camera basics
- Capturing still images
- Recording video
- Importing to PC or Mac
- Menu settings



These two views give a general overview of the Sony Mavica.

I. Camera Basics

The Sony Mavica is not a difficult camera to use, but the user will need to become familiar with the majority of the operations and options of the camera in order to effectively use it.

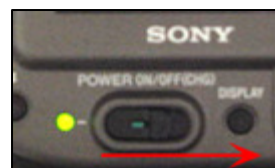


Power Source

The camera uses a rechargeable battery located at the underside of the camera. A power cord is used to charge the camera; therefore, the battery does not need to be removed.

To turn On/Off the camera:

To turn on the camera, simply push the small green button on the back of the camera and slide the power button to the right. To turn off the camera, repeat the process of turning on the camera.



To use the power cord:

The camera bag should contain a DC power cord that connects the camera to a power outlet.



Beneath the lens is a cover labeled “DC IN.” Open the cover and insert the end of the cord into the camera. Plug the other end into a power source.



To recharge the battery:


To recharge the battery, follow the same directions from the “To use the power cord” section of this handout. When charging the battery, the camera should be turned off. The orange light will turn off when the battery is fully charged.



Inserting a Floppy Disk

The Sony Mavica uses standard 3.5 inch floppy disks.

A floppy disk will hold:
30 jpg images (640x480)
10 jpg images (1024x768)
4 jpg images (1600x1200)

Before inserting the disk into the camera, make sure the write protection tab is in the unlocked position  (See image to the right).

Simply insert the disk into the side of the camera. The label side of the floppy disk should face the LCD screen. When a click sound is made the disk is properly inserted.



Ejecting a Floppy Disk

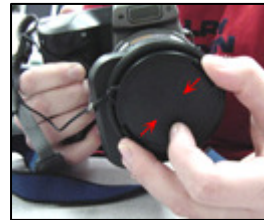
- a. Push the tab forward.
- b. Pull down the disk release.
Note: Steps a. and b. need to be performed at the same time in order for the floppy disk to be ejected.



Lens Cover

To remove the Lens cover:

On lens cover, press the finger tabs to release the cover.



To replace the lens cover:

Press the finger tabs and release them when the cover is on the lens.

Record Button

The RECORD button is located at the top of the camera. Firmly press the button until the camera clicks and the LCD screen displays the word "RECORDING" in red over the image.



Flash

A flash will be required for poorly lit areas indoor or outside.

- a. Press the **OPEN (FLASH)** button.
The flash will open on the top of the camera.



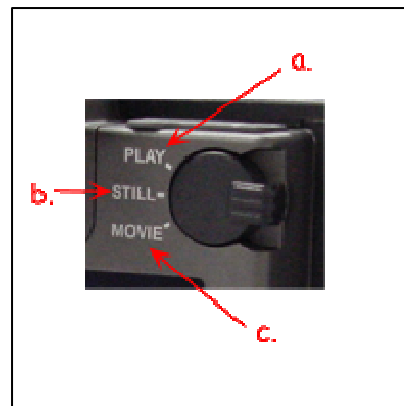
SteadyShot

SteadyShot, located on the side of the camera, is a *Sony* function that compensates for camera shake. If there is difficulty keeping the camera stable turn the SteadyShot to **ON**. This compensates for the camera shake and produces a better image.



PLAY/STILL/MOVIE Selector

- a. **PLAY**: Reviews created stills and movies. This option will allow the user to delete unwanted images.
- b. **STILL**: This setting is for capturing still images.
- c. **MOVIE**: This setting is for recording MPEG movie clips.

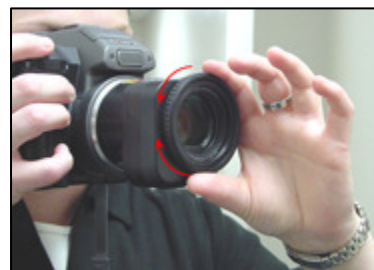


Focus

There are two methods to focus the camera:

- a. The first method is auto focus, located on the side of the camera. All the user needs to do is move the focus select button to **AUTO**.
- b. The second method is manual focus. The user needs to move the focus select button to **MANUAL**. Adjust the focus ring until the shot comes into focus and then take the photograph.

Note: It is suggested that the autofocus be used until the user becomes comfortable with manual focus option.



II. Capture Still Images

When taking a photograph you can view the shot through the LCD screen or through the viewfinder. The concept of the camera is to point and shoot. The camera needs to be in **STILL** mode to take a photograph.

To Take a Photograph

- a. The main idea is to aim the camera and click.

If the image is too far away or too close the user can use the zoom to bring the shot in closer (**T**) or move out farther (**W**).

Note: If the zoom option is not practical the user should physically move in order to capture the frame of the shot.



- b. Firmly press the **RECORD** button.



- c. When the camera records, three specific (1, 2, 3) areas of the camera notify the user that the image is being recorded (*See image to the right*).



To Review the Images

Move the **PLAY/STILL/MOVIE** selector to the **PLAY** setting.



Toggle the **MENU** button ◀▶ to navigate through the image files.



To view the images as thumbnails:

In the **PLAY** setting

- a. Push the **MENU** button ▲ once.
- b. Select the **Index** with the Menu button.
- c. Press in the **MENU** button twice; the images will appear as thumbnails. Navigate through the images in the same manner as the previous review method.

Press the **MENU** button ▼ to exit the current setting.

To Delete Images

- a. Move the **PLAY/STILL/MOVIE** selector to the **PLAY** setting.
- b. Navigate in the menu bar with the **MENU** button and select **Delete** (highlighted in yellow).
- c. Press the **MENU** button.
- d. Navigate with the **MENU** button to **OK** and press the **MENU** button once.



Press the **MENU** button to exit the current setting.

To Save

When a user takes a photograph the camera automatically stores the images on the floppy disk. The user does not need to perform any additional tasks to save the images.

III. Record Video Clips

The MOVIE function of the camera will record an MPEG formatted video. The primary purpose of this camera is capturing still shots, and the secondary function is to record movie clips.

The floppy disk's capacity has 2 options:

- 340x240 will give a 15second clip
- 160x112 will give a 60second clip

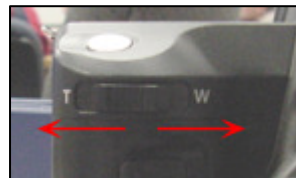
To Record a Movie Clip

Make sure that PLAY/STILL/MOVIE selector is in **MOVIE** position.

*Note: The **MOVIE** function will record in the same way as the **STILL** function.*

- Aim the camera. If the image is too far away or too close the user can use the zoom to bring the shot in closer (**T**) or move out farther (**W**).

Note: If the zoom option is not practical the user should physically move in order to capture the frame of the shot.



- Firmly press the **RECORD** button.

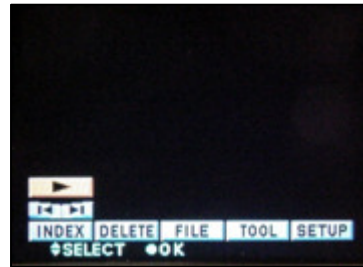
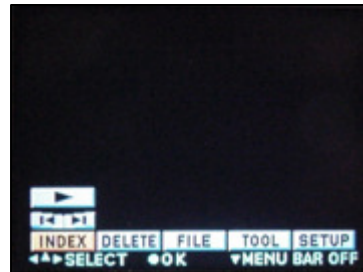


- c. When the camera records three specific (1, 2, 3) areas of the camera notify the user that the image is being recorded (see image).



To Review the MPEG File

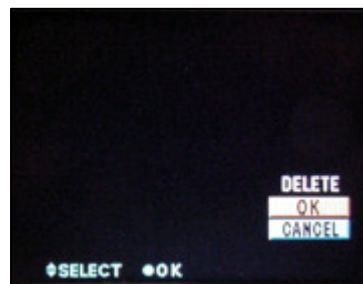
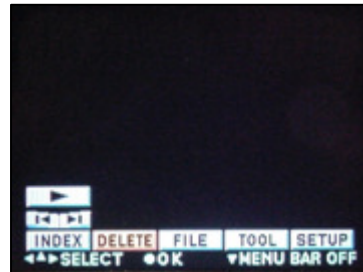
- a. Move the PLAY/STILL/MOVIE selector to **PLAY**.
- b. Press the arrow ▲ on the **MENU** button to display the menu bar.
- c. Navigate with the **MENU** button ▲ to play button. Press the **MENU** button to play the file.



To Delete the File

- a. Press the **MENU** button once.
- b. Navigate to **DELETE**.
- c. Press the **MENU** button.
- d. Navigate up and press **OK**.

Press the **MENU** button to exit the current setting.



To Save

When a user records the video the camera automatically stores the images on the floppy disk. The user does not need to perform any additional tasks to save the images.





IV. Importing to PC or MAC


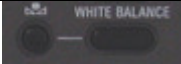



When the user captures images the camera formulates a simplified HTML page that provides links to the images on the floppy. All the user needs to do is insert the floppy in to a PC or MAC to view to the images. To access the floppy disk, the user can simply open up a browser or a picture viewer to view the images. If additional edits are required, it will become necessary for the user to have a photo-editing program.

V. Advanced Settings

There are additional features to the Sony Mavica. In the remainder of this document we will briefly discuss the external components and summarize the primary functions in the menu settings.

External Components


View Adjustor		Turn the knob up or down to focus the view.
Display		Shows all functions being applied to the camera on the LCD screen.
Program AE		A multi-use button that allows users to set aperture, shutter speed, and reduce color suppression in certain settings.
Spot Meter		Assists the user in “pulling” the subject away from the background.



LCD ON/OFF		Turn on or off the LCD screen.
White Balance		Controls excessive bright lights and colors.
Vol (Volume)		Allow volume control when recording MPEG clips.
Flash button		This light will turn green when the flash is open.
Macro button		Use to take pictures close up.

Menu Settings

To access the MENU setting, push the MENU Button up.



MENU SETTING:		OPTIONS AVAILABLE:
Camera		<ul style="list-style-type: none"> ▪ <i>Digital Zoom</i>: Two options (ON/OFF) to use digital zoom. ▪ <i>Sharpness</i>: ability to adjust the sharpness of image. ▪ <i>Flash Level</i>: Change level of flash. ▪ <i>Exposure</i>: Adjusts exposure.

File		<ul style="list-style-type: none"> ▪ <i>Disk Tool</i>: formats disk. ▪ <i>File Number</i>: resets image numbering on disks. Image Size: image sizing for MPEG and JPEG. ▪ <i>Rec Mode</i>: changes format types.
Effect		<ul style="list-style-type: none"> ▪ <i>P.Effect (Picture Effect)</i>: Special effects for movies and stills. Make the images solarized, black and white, sepia, or negative art. ▪ <i>Date/Time</i>: Date/Time set up



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