



# Sanyo □□□□□□□□ Instruction Manual

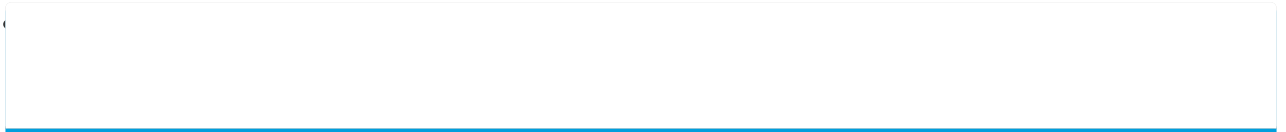
14 mega pixels



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# **INSTRUCTION MANUAL**

## **Digital Camera**

### **14 Mega Pixels**

Please read these instructions carefully before using the camera.

Keep this manual in a safe place for later reference. **V**

## **VPC-E1414**

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[Freezer Sanyo MDF-U333 Instruction Manual](#)

Biomedical freezer (30 pages)

[Projection TV Sanyo 710-00792-1 Installation Manual](#)

Rear projection display (8 pages)

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## Summary of Contents for Sanyo □□□□□□

[Page 1](#) VPC-E1414 INSTRUCTION MANUAL Digital Camera 14 Mega Pixels Please read these instructions carefully before using the camera. Keep this manual in a safe place for later reference.

### [Page 2: Table Of Contents](#)

Table of Contents Preface .....3 About this Manual ..... 3 Safety and Handling Precautions..... 3 FCC Information.....6 Declaration of Conformity..... 6 Canadian ICES-003 Information..... 6 Trademark Information .....6 Read this First.....6 Symbols Used in this Manual .....7 Introduction .....

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## [Page 4: Preface](#)

**Preface** About this Manual This manual is designed to assist you in using your new digital camera. All information presented is as accurate as possible but is subject to change without notice. Copyright This manual contains proprietary information protected by copyright. All rights are reserved. No part of this manual may be reproduced by any mechanical, electronic or other means, in any form, without prior written permission of the manufacturer.

**Page 5** **Safety Instructions** Warnings Cautions Read and understand all before using this product. Warning Do not disassemble, change or repair the camera. This might cause fire or electric shock. For repair or internal inspection, ask the store of purchase. Do not use the camera in areas near water. This might cause fire or electric shock.

**Page 6** The symbol mark and recycling systems described below apply to EU countries and do not apply to countries in other areas of the world. Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and/or reused.

## [Page 7: Fcc Information](#)

Declaration of Conformity Model number: VPC-S1414 Trade name: SANYO Responsible party: SANYO FISHER COMPANY Address: 21605 Plummer Street, Chatsworth, California 91311 Telephone No.: (818) 998-7322 This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions:...

## [Page 8: Symbols Used In This Manual](#)

Before capturing those important shots, be sure to first take a test shot to confirm that your camera is set up and ready to go. • Sanyo Electric shall not be held responsible for any problems resulting from the use of this camera.

## [Page 9: Introduction](#)

**Introduction** Congratulations on your purchase of the new digital camera. Capturing high-quality digital images is fast and easy with this state-of-the-art smart camera. System Requirements In order to get the most out of your camera, your computer must meet the following system requirements: For Windows: •...

## [Page 10: Package Contents](#)

**Package Contents** Please check the contents of your camera package. It should contain: Digital camera AA battery x 2 pcs Wrist strap USB cable AV cable (optional) CD-Rom Quick Start Guide 9 ...

## [Page 11: Camera Views](#)

**Camera Views** Front View Flash Self-timer LED/ AF Assist Lamp Lens Microphone Back View LCD monitor Zoom buttons LED indicator Menu button Function/Delete button 10. OK button/4-way navigation control 11. Mode Switch Photo mode Movie mode Playback mode Top View 12.

## [Page 12: Camera Buttons](#)

Bottom View 16. Tripod screw hole 17. Battery/Memory card compartment Left Right View 18. USB/TV Out 19. Strap ring **Camera Buttons** Your camera is equipped with different buttons for ease of use **Button Description** Power Press the Power button to turn the power on/off. The stabilizer sets the optimal ISO value according to light levels to compensate for Stabilizer camera shake.

## [Page 13: Navigation Control](#)

**Navigation Control** The 4-way Navigation Control and the OK button allow you to access the various menus available from the On Screen Display (OSD). You can configure a wide range of settings to ensure maximum results from your images and videos. Further functions of these buttons are as follows: Description Face Tracking/Rotate Button Macro Button...

## [Page 14: Camera Memory](#)

Camera Memory Internal memory Your camera is equipped with 32MB of internal memory. Users can store images up to 14MB. If there is no memory card inserted in the memory card slot, all images, videos and audio clips recorded are automatically stored in the internal memory.

## [Page 15: Inserting An Sd/Sdhc Memory Card](#)

4. Close and lock the battery/memory card compartment. Inserting an SD/SDHC Memory Card Expand your camera's storage by using SD or SDHC memory cards. 1. Unlock and open the Battery/memory card compartment at the bottom of the camera. 2. Insert the SD/SDHC card into the memory card slot with the metallic part facing the back side of the camera.

## [Page 16: Turning The Power On And Off](#)

Turning the Power On and Off There are two ways to turn on the camera: • The startup image displays briefly and the startup sound plays if enabled. The zoom lens extends and the camera is turned on in Record mode. • ...

## [Page 17: Using The Lcd Monitor](#)

Using the LCD monitor The LCD monitor shows all important information regarding camera settings as well as the visual image of your image or video. The display on the LCD monitor is called the On Screen Display or OSD. LCD Monitor Layout Photo Mode Screen Layout Item Description...

[Page 18](#) Movie Mode Screen Layout Standby layout Recording Layout Item Description Record Mode Indicates the current mode. Zoom indicator Displays zoom. Time remaining Indicates the remaining time of video available. Battery Indicates battery level. Storage media Indicates current storage media in use. Focus area Indicates focus area.

[Page 19](#) Playback Mode Screen Layout The Playback mode display varies depending on the type of image being viewed. Playback mode display of still images: Item Description Playback mode Indicates playback mode. Protect Indicates file is protected. Voice memo Indicates voice memo is attached. Button intro Indicates the button to press on the camera to play a video or audio file.

[Page 20](#) Playback mode of videos: Item Description Playback mode Indicates playback mode. Protect Indicates file is protected. Video clip Indicates the file is a video. Indicates the button to press on the camera to play a video or audio Button intro file.

[Page 21](#) Playback mode of audio clips: Item Description Playback mode Indicates playback mode. Protect Indicates file is protected. Button intro Indicates the button to press on the camera to play a video or audio file. File no./Total no. Indicates the file number over the total number of files in the storage card. Battery Indicates battery level.

## [Page 22: Changing The Lcd Monitor Display](#)

Changing the LCD Monitor Display The type of information displayed on the LCD monitor can be changed using the button. Press the button repeatedly to change the LCD display from one type to another. In Photo/Movie Mode, the LCD display can be changed into any of the following: • ...

## [Page 23: Using The Stabilizer](#)

Using the Stabilizer The Stabilizer function works according to the luminance of the target object. This function uses special image data processing for getting high sensitivity of CCD. High sensitivity can use higher shutter speed compared with normal mode, so it reduces influence of hand shaking. Press the stabilizer button before pressing the Shutter button.

## [Page 24: Using Flash](#)

Using Flash When taking pictures in difficult lighting conditions, use the Flash/Right button to get correct exposure. This function cannot be activated in recording videos or continuous shooting. To activate Flash: • Press the Flash/Right button on your camera repeatedly until your desired flash mode is displayed Flash/Right on the LCD monitor.



## [Page 25: Using The Function Menu](#)

Using the Function Menu The Function Menu is used to adjust capture settings in Photo Mode. It contains My Mode, Photo Size, Quality, EV Compensation, White Balance, ISO, Metering, and Color Mode. Press the Function/Delete button of your camera to launch the Function Menu. Press the Function/Delete button again to close the menu.

[Page 26](#) Quality The Quality sets the quality (compression) at which the image is captured. The quality determines the amount of compression applied to your images. Fine quality would give you the best images with sharper details and less compression. However, the higher the quality, the more memory space is required in your memory card.

## [Page 27: White Balance](#)

White Balance This sets the white balance for a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye. • As you move through the selection, you can see the preview on the LCD monitor synchronously.

## [Page 28: Color Mode](#)

Metering This sets the metering method for calculating the exposure. Icon Item Description Multi The entire area of the screen is measured, and the exposure is calculated. Averages the light metered from the entire frame, but gives greater weight Center to the subject matter at the center.

## [Page 29: Using The Record Menu](#)

Using the Record Menu If you are in Photo Mode, you can access the Record menu simply by pressing the MENU button on your camera. When the menu is displayed, use the 4-way navigation control and the OK button to move through menu selections and apply your desired settings.

[Page 30](#) The table below shows the available scene mode settings. Icon Item Description The simplest way to shoot basic images. Settings are adjusted Auto automatically. The camera automatically adjusts suitable shooting settings like shutter Program speed and aperture values. The camera detects the shooting conditions and automatically switches to Intelligent Scene the appropriate scene mode.

[Page 31](#) This feature is used to capture food images. The increased saturation in Food this mode makes the captured image more enticing. Building This feature enhances the edges of captured images. This feature enhances the black and white contrast normally used when Text capturing text images.

[Page 32](#) Using Intelligent Scene This feature is most useful for novice users to capture great images even without basic knowledge of photography. Simply frame the shot with the help of Intelligent Scene Mode, the camera automatically recognizes 11 kinds of scenes - Portrait, Landscape, Sunset, Macro, Text, Snow, Backlight, Backlight Portrait, Night Scene, Night Portrait and Foliage - and selects the ideal settings.

[Page 33](#) Using Party Mode Let the Party mode on! It can be difficult to get everyone on a party. While you have the whole gang together, take a group or family portrait. Party mode features on Red-eye reduction flash and face tracking. You'll miss fewer shots, and have more time to focus on enjoying the party.

[Page 34](#) Using Auction Mode It's hard and wastes a lot of time to combine several images by software. Select Auction mode and choose a pattern, then take a few shots from different angle. The camera composes a combined image in lower resolution suited to online posting.

## [Page 35: Using Smile Capture Mode](#)

Auction mode provides 4 kinds of pattern as follow The image is set to low quality and VGA (640x480) size only. Using Smile Capture Mode When facing camera, especially kids, smiles are always short and hard to seize by manual shutter. Smile capture mode detects every smile all the time and performs Automatic Focus (AF) to capture an image without pressing Shutter button.

[Page 36](#) Using Pre-composition Mode When asking someone else to take images for you, but the images always don't come up right? Pre-composition helps you get the background you

want, even if you need to ask someone else to record the image for you.

### [Page 37: Using Aperture Priority Mode](#)

Using HDR Mode Active HDR mode preserves details in highlights and shadows, creating photos with natural contrast. Use for high contrast scenes, for example, when photographing brightly light outdoor scenery through a door/window, or taking pictures of shaded subjects on a sunny day. With this feature, the adjustment of contrast is accomplished in-camera and requires no additional post-processing for the bulk of images.

### [Page 38: Using Voices Recording](#)

Using Shutter Priority Mode This mode is designed for capturing moving subjects. A faster shutter speed is required to freeze a motion (flying birds), while the slower shutter speed creates a sense of motion (water flowing). To set Shutter values 1.

### [Page 39: Setting The Drive Mode](#)

Setting the Drive Mode Your camera features a Self-timer and Burst which can be set in the Drive mode function in the Record Menu. The Self-timer allows you to take images after a pre-defined delay. While burst lets you take consecutive shots. This function is only available in recording still images.

### [Page 40: Setting The Af Area](#)

Setting the AEB AEB stands for Automatic Exposure Bracketing. It permits 3 consecutive images in the order of standard exposure, under exposure and overexposure compensation. To set AEB 1. From the Record menu, select AEB. 2. Use the keys to go through the selection. 3.

### [Page 41: Setting Saturation](#)

Setting Sharpness This function allows you to enhance or soften finer details of your images. To set Sharpness 1. From the Record menu, select Sharpness. keys to go through the selection. 2. Use the 3. Press the OK button to save and apply changes. The table below shows the available Sharpness settings.

### [Page 42: Setting The Digital Zoom](#)

Setting Contrast This function allows you to adjust the contrast of your images. To set Contrast 1. From the Record menu, select Contrast. 2. Use the keys to go through the selection. 3. Press the OK button to save and apply changes. Icon Item Description...

### [Page 43: Recording Videos](#)

Setting the Date Stamp The date of recording can be printed directly on the still images. This function must be activated before the image is captured. Once date and time are stamped on an image, they can no longer be edited or deleted. Limitations of Date Stamp functions are as follows: Available for still images only.

### [Page 44: Movie Size](#)

Settings of Recording Videos Press Function button to enable video setting menu before recording a video. Movie Size The Movie Size function appears only in Movie mode. Use this function to adjust the resolution and quality of movie clips. The table below shows the available size and corresponding image quality settings. Icon Item Description...

### [Page 45: Playback](#)

Pre-Record You can catch the first three seconds of action you would have potentially missed. Once enable this function, the camera starts recording video automatically before pressing Shutter button. As soon as the Shutter button is hit, the most recent three seconds of video is added to the beginning of the clip.

### [Page 46: Viewing Thumbnails](#)

Viewing Thumbnails This function allows you to view 9-thumbnail images or by calendar mode on the LCD monitor at the same time. Searching numerous of images is much easier than single view navigation. To set 9-images mode 1. Set the camera to Playback mode 2.

## [Page 47: Zooming Images](#)

Zooming images The zoom view function works with still images only. • In normal view, press the "T" button repeatedly until the desired zoom view. • The 4 arrows on the LCD monitor indicate that the image is zoomed in. •...

## [Page 48: Playing Voice Recording](#)

Playing Voice Recording 1. Set the camera to Playback mode 2. Use the navigation controls to scroll through the saved images. When viewing a voice recording file, the LCD monitor displays the screen layout of Audio clips. See picture on the right. 3.

## [Page 49: Deleting An Image/Video/Audio](#)

Deleting an Image/Video/Audio There are two ways to delete an image/video/audio: • Using the Delete button. Using Playback Menu Delete settings. See "Delete" on page 48. • Using the Delete Button Use the Fn/Delete button on your camera to delete an image/video/audio clip 1.

[Page 50](#) To delete a single file: 1. Select Single in the Delete submenu, the images are displayed on the LCD monitor in single navigation mode. 2. Use the keys to scroll the display. 3. When the desired image/video/audio clip is displayed on the LCD monitor, select Delete.

[Page 51](#) Slide Show The slide show function enables you to playback your still images automatically in order one image at a time. To view slideshow: 1. From the Playback menu, select Slide Show. The Slideshow menu appears. 2. Set the slide show settings. 3.

[Page 52](#) To protect/unprotect multiple files: 1. Select Multi in the Protect submenu, the images are displayed in thumbnail view on the LCD monitor. 2. Use the navigation control to move through the files. 3. When the desired file is highlighted, press the OK button to mark/unmark the file clip for protection.

## [Page 53: Voice Memo](#)

Red-eye Correction Red-eye Correction function is used to reduce red eye in captured images. This function is only Red-eye available for still images. correction can be applied to an image several times, but the quality may gradually deteriorate. To activate Red-eye Correction: 1.

[Page 54](#) Color Mode The Color Mode function lets you adjust edit still images to apply different colors or tones for a more artistic effect. Edited images in this function are saved as a new file. To activate Color Mode: 1. Set the camera to Playback mode 2.

[Page 55](#) Trim The Trim function allows you to trim an image to another image size. This function is only available for still images. To trim an image: 1. Set the camera to Playback mode 2. Use the keys to scroll and select an image to trim.

## [Page 56: Startup Image](#)

Resize Resizes a previously saved image and only resizing to a smaller size is available. To resize an image: 1. Set the camera to Playback mode 2. Use the keys to scroll and select an image to resize. 3. Press the MENU button to launch the Playback menu. 4.

## [Page 57: Radial Blur](#)

DPOF DPOF is the abbreviation for Digital Print Order Format, which allows you to embed printing information on your memory card. You can select the images to be printed and how many prints to make with the DPOF menu in the camera and insert the memory card to the card compatible printer. When the printer starts printing, it will read the embedded information on the memory card and print the specified images.

## [Page 58: Using The Setup Menu](#)

Using the Setup Menu You can access the Setup menu whether you are in Record or Playback mode. The Setup menu allows to configure general camera settings. To go to Setup Menu: 1. Press Menu button to launch the Record/Playback Menu. 2.

## [Page 59: Setting Lcd Save](#)

Setting LCD Save Enable the LCD Save function to automatically decrease the LCD brightness to

conserve battery power. When the camera is idle for 20 seconds, the LCD darkens. Press any button to resume to normal brightness. • The camera is idle when no buttons are pressed. LCD Save, though enabled, does not function during video playback, slideshow and video recording.

### [Page 60: Setting Tv Out](#)

Setting TV Out Use the TV Out function to adjust video output signal to accommodate different regional settings. If TV out is not set correctly, the image may not display properly on TV. Available settings are: • NTSC. Applicable in Japan, USA, Canada, Taiwan and others.

### [Page 61: Reset All](#)

Reset All Use this function to reset the camera to its factory settings. However, the following settings are exceptions and not affected by Reset. • Date & Time • Language • TV Out • Custom White Balance data Making Connections You can connect your camera to: TV, computer, or a printer.

[Page 62](#) 4. The USB mode menu appears on the screen. Select Computer by using the key and press the OK button. 5. The PC starts to detect the connection while the LCD monitor appears Connecting.... 6. Connection established after PC MODE appeared on the LCD monitor 7.

### [Page 63: Connecting The Camera To A Printer](#)

Connecting the Camera to a Printer You can print your images directly using a PictBridge compatible printer. 1. Turn on your Printer. Check that the printer is turned on, there is paper in the printer, and there are no printer error messages. 2.

[Page 64](#) To set Printer Settings 1. Use the key to specify a print option. 2. Modify paper size and quality by the keys. Available setting: • Paper size: Default / A4 / 4"x6" • Quality: Default / Fine / Normal 3. Select Print on the screen for printing. Or Cancel to go back Print Mode.

### [Page 65: Appendix](#)

Appendix About Folder and File Names Your camera automatically creates specific directory of folder in the internal memory cards to organize captured images, videos and audio files. File Naming File names begin with "SANY" and followed by a 4-digit number that increases in sequence. File numbering starts from 0001 when a new folder is created.

### [Page 66: Specifications](#)

Specifications Sensor SONY 14M 1/2.3-type Focal Length: 5.05 (W) ~ 20.2 (T) mm Lens 4X optical zoom, 5x digital zoom LCD monitor 2.7" Color LCD (230,000 Pixels) Normal: Wide: 12cm~infinity Tele: 70cm~infinity Focusing Range Macro: Wide: 12cm ~ 100cm Tele: 70cm ~ 120cm Aperture F2.8~F6.3 Shutter Speed:...

### [Page 67: Battery Life](#)

English / French / Spanish / German / Italian / Russian / Portuguese / Brazil Portuguese / Dutch / Turkish / Polish / Hungarian / Romanian / Czech / OSD Language Bulgarian / Croatian / Slovak / Slovenian / Greek / Swedish / Norwegian / Finnish / Danish / Arabic / Indonesia / Malay / Thai / Korean / S.

### [Page 68: Safety Manual](#)

Keep the devices out of the ■ SAFETY MANUAL reach of children • The following may happen if children play with the devices: • They may wrap the neckstrap around their neck and suffocate. USING YOUR DIGITAL CAMERA • They may swallow small parts, SAFELY AND CORRECTLY such as the battery or card.

[Page 69](#) Do not use the flash or LED CAUTIONS CONCERNING THE ■ light close to a person's eyes CAMERA • To prevent possible eye injury, do not use the flash or LED light near WARNING a person's eyes. If the flash or LED Do not use while driving ■...

[Page 70](#) Operating environment: • Temperature 0 to 40°C (32 to 104°F) (operation) -20 to 60°C (-4 to 140°F) (storage) • Humidity 30 to 90% (operation, no condensation) 10 to 90% (storage, no condensation) Do not hold the hot part ■ for a long time •...

## [Page 71: Battery Pack](#)

CAUTIONS CONCERNING THE DOCKING STATION AND AC ADAPTOR/ CHARGER Do not damage the power cord DANGER ■ • Do not place heavy objects on the Do not recharge a battery ■ power cord. Do not place the power pack other than the specified cord near a heat source.

## [Page 72: Other Cautions](#)

Other cautions Cautions when handling the ■ ■ • Use only the supplied or specified cards docking station and AC • The cards are precision devices. Do adaptor/charger with your camera. not bend, drop, or subject them to • If a docking station or AC strong forces or shocks.

[Page 73](#) Use only batteries manufactured ■ by SANYO • Do not use batteries other than the specified model numbers from SANYO. Especially for safety purposes, do not DANGER — use imitation products. If dry-cell batteries or other rechargeable batteries...

[Page 74](#) Do not throw the battery in the ■ fire or subject it to heat • Doing so may cause the insulation to DANGER WARNING melt, damage the gas discharge valve and safety mechanisms, or ignite the battery fluid, resulting in fire or explosion.

[Page 75](#) If the battery is leaking and the ■ battery fluid gets on your skin or clothing, immediately rinse with clean water • If the battery fluid gets into your eyes, you risk losing your eyesight. DANGER WARNING Immediately rinse your eyes with clean, running water, and seek medical attention right away.

[Page 76](#) CAUTIONS CONCERNING THE BATTERY General precautions concerning the Cautions concerning use and storage of ■ ■ batteries (when using alkaline batteries) the rechargeable Li-ion battery pack • Use only alkaline batteries or other • Do not use the battery with the outer specified batteries in this camera.

## [Page 77: For Correct Use Of Your Camera](#)

When not using the camera for a long period condition to capture the images properly. ■ • Sanyo Electric shall not be held responsible for • Remove the battery. However, when the battery is any losses that result from images that could...

[Page 78](#) MO disk, or CD-R disk). • Stored data may be lost (or corrupted) in cases such as those listed below. • Sanyo Electric will not be held responsible for any damage or lost profits arising from the loss of data.

[Page 79](#) Printed in china...