



**Xacti Software CD 1.3
For Dual Camera**

INSTRUCTION MANUAL

Please read these instructions carefully before using. Be sure to keep this manual for later reference.

ATTENTION

Regarding permission to use the CD-ROM

- This CD-ROM may not be reproduced without permission.
- When installing the software in this CD-ROM, permission is granted for its use only if the user agrees to the terms and conditions that are displayed at the start of installation.
- Regarding products by other manufacturers that are specified on this CD-ROM, and for service, please inquire of the respective manufacturer.
- It is strictly forbidden to copy this manual, wholly or in part, without prior written permission.
- The contents of this manual are subject to change without prior notice.
- Sanyo Electric shall not be held responsible for any problems resulting from the use of this product.
- Sanyo Electric declines all responsibility for damages due to improper use of this product, failure to adhere to the instructions given in this manual, or repairs or changes done by those other than a technician authorized by the manufacturer.
- Sanyo Electric shall not be held responsible for any damage caused by optional devices or consumable items used with this product other than those supplied with this product or those specified by Sanyo Electric.
- Sanyo Electric shall not be held responsible for any losses or loss of revenue resulting from the loss of data caused by the malfunction, or the repairing of a malfunction, of this product.

COPYRIGHTS

This manual and the software are copyrighted materials from Sanyo Electric Co., Ltd.

Macintosh, Mac OS and QuickTime are trademarks of Apple Inc., registered in the U.S. and other countries.

Microsoft and Windows are registered trademarks of Microsoft Corporation in the USA and other countries.

Intel and Pentium are registered trademarks of Intel Corporation (USA).

In this manual, the Microsoft® Windows® 2000 operating system, Microsoft® Windows® XP operating system, and Microsoft® Windows® Vista operating system are collectively referred to as “Windows”.

ArcSoft is a registered trademark of ArcSoft, Inc.

All other brand or product names mentioned in this manual are trademarks or registered trademarks of their respective companies.

CONTENTS

INTRODUCTION	3
About this manual	3
The software	4
OPERATING ENVIRONMENT	5
When using as a card reader	6
SETTING THE CONNECTION MODE	7
USING AS A CARD READER	9
For Windows Vista/XP users	9
For Windows 2000 users	10
For Mac OS X users	11
ABOUT THE CONTENTS OF THE CARD	12
Configuration of directories in the card	12
File formats	12
Cautions when using as a card reader	13
USING AS A PC CAMERA	15
For Windows XP	15
Using as a PC camera	15
INSTALLING THE APPLICATION SOFTWARE	16
SCREEN CAPTURE	17

INTRODUCTION

This manual describes how to install and operate the Xacti Software CD. Please read this manual carefully, in order to use the images and audio recordings captured with your camera in a wide range of applications.

About this manual

The explanations in this manual conform to the following conventions.

- The examples given in this manual are generally based on a Windows environment. For Macintosh users, while the menu names and screen indications may be different, this is no impediment to understanding the operation. In those places where the operations for Macintosh users and Windows users differ, specific explanations are provided.
- In this manual, the SD Memory Card is referred to as "card".
 - This manual is designed for users with the following computer skills:
 - Knowledge of basic computer operations
 - Knowledge of basic mouse operations
 - Knowledge of how to open, close, move, minimize and maximize windows
 - Knowledge of how to move from one folder to another folder

Detailed information about the operations listed above can be found in the printed or online manuals accompanying the computer or operating system software.

Symbols used in this manual

HINT Extra information about software or cautionary notes.

CAUTION Points requiring special attention.

(page xx) Refer to the page indicated for detailed information.

The software

The following software applications are in the Xacti Software CD.

- Nero 8 Essentials for SANYO (Windows)
In this manual, referred to as Nero 8 Essentials.
Play back and edit video clips.
- Panorama Maker 4 (Windows)
Use this application for joining multiple images to create a panoramic photo. Even images captured with the handheld camera can be automatically joined.
- Xacti Screen Capture 1.1 (Windows)
In this manual, referred to as Screen Capture.
Save a window of your computer's screen display as an image file in your camera.

OPERATING ENVIRONMENT

	Nero 8 Essentials			Panorama Maker 4 Screen Capture
	Nero ShowTime 4 Essentials	Nero Vision 5 Essentials*1	Others	
OS*2	Windows XP Windows Vista			Windows 2000 Windows XP Windows Vista
CPU	Pentium D 3.0 GHz or later*3 Athlon X2 3600+ or later	Pentium D 3.0 GHz or later*4 Athlon X2 3600+ or later	Pentium 3 1.0 GHz or later Sempron 2200+ or later Athlon 64	Core Duo 1.66 GHz or later Pentium 4 3.6 GHz
Memory	512 MB (1 GB or more recommended)		256 MB (1 GB or more recommended)	1 GB or more (2 GB or more recommended) Video memory: 64 MB (256 MB recommended) or more
Video memory	256 MB or more	64 MB (256 MB recommended) or more		—
HDD	10 GB or more empty disc space	10 GB or more empty disc space	10 GB or more empty disc space	—
Drive	CD-ROM	CD-ROM*5	CD-ROM	—
Other	Direct X9.0 or above			USB connector

*1 Does not support 60p/60i video file output.

*2 Limited to models with preinstalled OS.

*3 For playing back 60i video files, a dual-core CPU (Core 2 Duo 2.4 GHz or more) environment is recommended. For playing back 60p video files, a dual-core CPU (Core 2 Duo 3.1 GHz or more) environment is recommended.

*4 For editing HD images, a dual-core CPU (Core 2 Duo 2.4 GHz or more) environment is recommended.

*5 A corresponding burner is required when creating a DVD video.

When using as a card reader

Limited to models with the preinstalled OS.

■ **Windows**

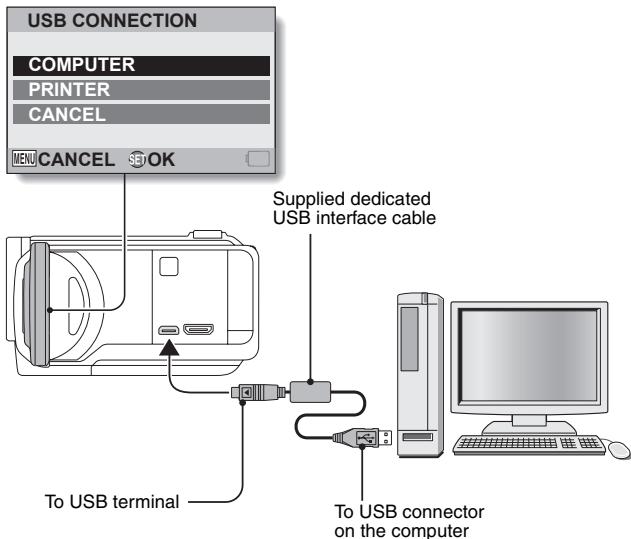
Windows 2000, XP, Vista

■ **Mac OS**

Mac OS X 10.3.6 or later

SETTING THE CONNECTION MODE

- 1 Start your computer, and use the supplied USB interface cable to connect the camera to the computer.
 - Connect the camera's USB terminal to the computer's USB connector.
- 2 Turn on the camera (see page 35 in the camera's instruction manual).
 - The USB Connection Screen appears on the camera's monitor.



- ④ Select “COMPUTER”, and press the **SET** button.

- The screen to select the computer connection mode appears.

CARD READER:

Use the camera as an external drive of the computer.

MTP:

Connect the camera in the MTP mode to a Windows Vista computer.

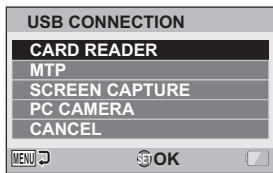
SCREEN CAPTURE:

Save an image of the computer screen in your camera's card.

PC CAMERA:

Use your camera as a PC camera.

- ④ Select the desired connection mode, and press the **SET** button.



CAUTION

Insert and pull out the cable carefully

- When connecting the cables, make sure that the cable plugs are correctly oriented and that they match the shapes of the terminal sockets on the devices. Push the plugs in straight when connecting them. If undue force is used to connect a cable, it may permanently damage the connector pins in the terminal socket.
- Do not use excessive force when connecting and disconnecting cables.
- Please connect the dedicated USB interface cable to your computer's USB connector. Do not connect it to the USB port on your monitor or keyboard, or to the USB hub. Be especially careful when installing the driver software. In some instances, it may not be possible to correctly install the driver software.

Do not exchange data bi-directionally

- While copying data from the camera to the computer in the card reader mode, do not perform any operation that would copy the computer data to the camera.

USING AS A CARD READER

For Windows Vista/XP users

Mounting your camera

- 1 **Set the camera to the CARD READER mode (page 7).**
 - The message [Found New Hardware] appears in the task tray, showing that the camera is recognized as a drive.
 - The card is recognized (mounted) as a disk, and the [XACTI (E:)] icon appears in the [My Computer] window.
 - The drive name (E:) may be different on your computer.
- 2 **Select an action.**
 - If the [XACTI (E:)] window appears automatically, select the desired procedure from the window.

Dismounting the camera

CAUTION

- To disconnect your camera, be sure to follow the procedure below. Failure to follow this procedure may cause faulty operation of your computer or loss of card data.
- 1 **Left-click on the icon for safely removing hardware in the task tray.**
 - A list appears showing the devices connected to the computer's USB connector.
<Windows Vista>
 - Close the window.
 - 2 **Left-click on the camera drive (E:).**
 - The camera can now be disconnected.
 - The drive name (E:) may be different on your computer.

For Windows 2000 users

Mounting your camera

- 1 **Set the camera to the CARD READER mode (page 7).**
 - If a message appears on the computer monitor instructing you to load the Windows CD-ROM, follow the instructions and install the driver.
 - The camera is recognized as a drive, and [Removable disk (E:)] appears in the [My Computer] window.
 - The drive name (E:) may be different on your computer.
 - The card is recognized (mounted) as a disk.
 - Double-click on the [Removable disk (E:)] icon in [My Computer], and you can process the contents of the card installed in your camera exactly like you would the files in the other computer drives.

Dismounting the camera

CAUTION

- To disconnect your camera, be sure to follow the procedure below. Failure to follow this procedure may cause faulty operation of your computer or loss of card data.
- 1 **Left-click on [Unplug or Eject Hardware] in the task tray.**
 - A list appears showing the devices connected to the computer's USB connector.
 - 2 **Left-click on the camera drive (E:).**
 - The drive name (E:) may be different on your computer.
 - The [Safe to Remove Hardware] dialog box will open.
 - 3 **Click on the [OK] button.**
 - You can now disconnect the camera.

For Mac OS X users

Mounting your camera

- ❶ **Set the camera to the CARD READER mode (page 7).**
 - The camera is recognized as a drive and appears as an icon named [XACTI] on the Desktop.
 - Double-click on the [XACTI] icon, and you can process the contents of the files in your camera's memory exactly like you would the files in the other computer drives.

Dismounting the camera

CAUTION

- To disconnect your camera, be sure to follow the procedure below. Failure to follow this procedure may cause faulty operation of your computer or loss of data in your camera.
 - ❶ **Drag the [XACTI] icon for your camera on the Desktop to the trashcan.**
 - The [XACTI] icon disappears from the Desktop.
 - You can now disconnect your camera.
-

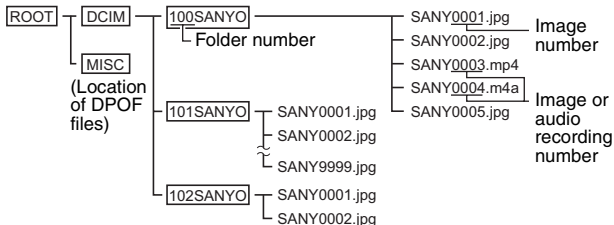
CAUTION

When using in a Mac OS X Classic environment

- It is not possible to save or load files directly to or from your camera. The files must first be saved once to your hard disk.

ABOUT THE CONTENTS OF THE CARD

Configuration of directories in the card



- Up to 9,999 files can be stored in folder 100SANYO. If more files are made, a folder named 101SANYO is created, and they will be stored in there. New folders will then be named in sequence, i.e., 102SANYO, 103SANYO, etc.

File formats

The format of the files saved and the method in which the file names are determined are explained below.

Type of file	File format	File name structure
Still image file	JPEG	File name begins with SANY. Extension is ".jpg". SANY****.jpg
Video clip file	MPEG-4	File name begins with SANY. Extension is ".mp4". SANY****.mp4*
Audio recording file	MPEG-4 Audio (AAC compression)	File name begins with SANY. Extension is ".m4a". SANY****.m4a

* Consecutive numbers assigned in the order the files were saved.

Cautions when using as a card reader

- Do not alter files or folders in your camera in any way. Doing so may result in your camera not recognizing that data.
If you want to edit files, first copy them to your computer's hard drive.
- Cards formatted on your computer cannot be used by your camera. Format all cards to be used by your camera with your camera.

HINT

About the volume name

- The volume name will be [XACTI] for a card that was formatted with the camera and [Removable disc] for a card that was formatted with a computer.

About video clip files recorded with this camera

- You can use Apple's QuickTime to play back video clips on a computer. Playback may be possible using other software that supports the ISO standard MPEG-4 AVC/H.264 (AAC audio).
QuickTime can be acquired from the Sanyo website support page.
Access the support page from the Xacti Software CD installation screen.

<Video clip file playback operating environment>

	Windows	Mac OS
OS*1	Windows XP Windows Vista	Mac OS X 10.3.9 Mac OS X 10.4.9 or later
CPU	Pentium D 3.0 GHz or later*2 Athlon X2 3600+ or later	Core 2 Duo or later
Memory	512 MB (1 GB or more recommended)	512 MB or more (1 GB or more recommended)
Video memory	256 MB or more	256 MB or more
Other	USB connector	USB connector

*1 Limited to models with preinstalled OS.

*2 For playing back 60i video files, a dual-core CPU (Core 2 Duo 2.4 GHz or more) environment is recommended. For playing back 60p video files, a dual-core CPU (Core 2 Duo 3.1 GHz or more) environment is recommended.

Playing back video clips recorded in the ,  or  mode

- These video clips can be played back using the “Nero 8 Essentials (Windows)” software that is included in the supplied CD-ROM (Xacti Software CD).

About audio files recorded with this camera

- If you change the extension (.m4a) of audio files to “.mp4”, playback may be possible using software that supports the ISO standard MPEG-4 (AAC audio).

About file names when the card is replaced...

- If the file number continued function is set to on, even when the card is replaced, consecutive numbering of folder numbers and file names continues from the previously installed card (see page 137 in the camera’s instruction manual).

USING AS A PC CAMERA

When connected to a Windows XP or Windows Vista computer, the camera can be used as a PC camera.

For Windows XP

Please perform the following upgrades before connecting the camera to a computer.

- Upgrade Windows XP to SP2.
Install Windows XP SP2.
- Install Windows Messenger 5.0 or later version.
Download Windows Messenger 5.0 or later version, and install it.
- If using MSN Messenger, please install MSN Messenger 7.0 or later version.

CAUTION

- The PC camera function can be used only with computers in which Windows XP or Windows Vista was preinstalled.
- The zoom cannot be used with the PC camera function. Moreover, only images can be recorded; audio files cannot be recorded.
- Although your camera can shoot at a maximum rate of 15 frames per second, the rate at which you can broadcast in the PC camera mode may be less than this depending on the speed of your Internet connection.

Using as a PC camera

- 1 Set the camera to the PC CAMERA mode (page 7).

INSTALLING THE APPLICATION SOFTWARE

- ❶ **Insert the CD-ROM (Xacti Software CD) in your computer's CD-ROM drive.**
 - The installation window soon appears.
 - If the installation window does not appear, double-click on the [SANYO DISC (D:)] in the [My Computer] window, and double-click on [Autorun] or [Autorun.exe] in the [SANYO DISC (D:)] window.
 - The drive name (D:) may be different on your computer.
- ❷ **Click on the name of the application software you wish to install.**
 - The window for beginning the installation procedure for the specified application will open.
 - The installer program for each application is preset to properly install the software. If you are unfamiliar with the computer, we recommend clicking the [Next] button at each screen.
 - If a user registration dialog box appears, do not enter anything in the [Enter your registration information] dialog box, and click on the [Next] button.
 - If a dialog box prompting you to restart your computer appears, restart your computer.

<Installing Nero ShowTime Essentials>

Click on [Nero 8 Essentials] on the installation screen to install Nero ShowTime Essentials.

You can find more information about Nero ShowTime Essentials at:
<http://support.nero.com>

- ❸ **Click on [EXIT].**

SCREEN CAPTURE

Individual windows on your computer's monitor display can be saved in the camera.

- ① **Set the camera to the SCREEN CAPTURE mode (page 7).**
- ② **Run Screen Capture.**
 - Screen Capture is automatically launched when you start your computer.
 - <To quit Screen Capture>**
 - Right-click on [Xacti Screen Capture 1.1] in the task tray, and then left-click on [Exit]. When the screen to confirm appears, left-click on [Yes].
 - To launch Screen Capture again, click [Start]→[Programs]→[Xacti Screen Capture 1.1].
- ③ **On the computer's monitor, display the window you wish to save.**
 - Make the window you wish to save the active (selected) window.
- ④ **Press the [📷] button.**
 - The currently displayed active window is saved as a JPEG file in the camera's memory.
 - When there is no active window, the entire screen display is saved.
 - The saved file is stored in the \DCIM***SANYO folder in the drive for the camera.
 - To exit Screen Capture, quit the application.

HINT

- To use Screen Capture, only one camera should be connected to the computer.
- The maximum file size that can be saved for any one screen capture is 10 MB.
- When running Screen Capture, do not turn off the camera or remove the card from the camera, as doing so may result in the loss of data. Also, do not use the computer to process the contents of the files in the camera's card, or the camera may not operate normally.

SANYO

SANYO Electric Co., Ltd.