

Canon

Digital Video Software

Version 13

Instruction Manual

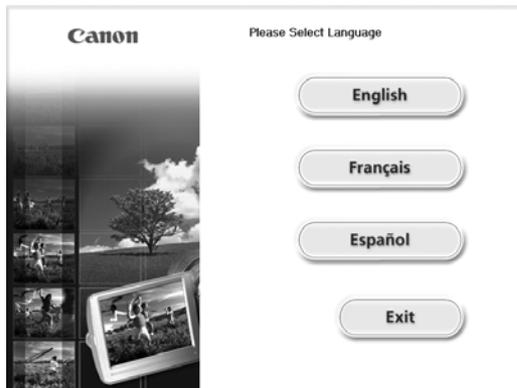
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Manuel d'instruction

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Manual de Instrucciones

Es



This instruction manual explains how to install the software, connect the camcorder to a computer, and download images from a memory card to a computer. For more detailed operational instructions, refer to the PDF format manual provided on the DIGITAL VIDEO SOLUTION DISK **For Windows** or DIGITAL VIDEO SOLUTION DISK **For Macintosh**.

Ce manuel d'instruction explique comment installer le logiciel, connecter le caméscope à l'ordinateur et télécharger des images à partir d'une carte mémoire sur un ordinateur. Pour des instructions de fonctionnement plus détaillées, reportez-vous au manuel au format PDF fournie sur le disque DIGITAL VIDEO SOLUTION DISK **For Windows** ou DIGITAL VIDEO SOLUTION DISK **For Macintosh**.

En este manual de instrucciones se explica como instalar el software, conectar la videocamara a un ordenador, y descargar imagenes de una tarjeta de memoria a un ordenador. Si desea instrucciones mas detalladas sobre el funcionamiento, consulte el manual de formato PDF suministrado con el disco DIGITAL VIDEO SOLUTION DISK **For Windows** o DIGITAL VIDEO SOLUTION DISK **For Macintosh**.

If you are using Windows operating system, use the supplied DIGITAL VIDEO SOLUTION DISK **For Windows**.

If you are using Macintosh operating system, use the supplied DIGITAL VIDEO SOLUTION DISK **For Macintosh**.

Si vous travaillez avec le système d'exploitation Windows, utilisez le disque DIGITAL VIDEO SOLUTION DISK **For Windows** fourni avec l'appareil.

Si vous travaillez avec le système d'exploitation Macintosh, utilisez le disque DIGITAL VIDEO SOLUTION DISK **For Macintosh** fourni avec l'appareil.

Si está utilizando el sistema operativo Windows, use el disco DIGITAL VIDEO SOLUTION DISK **For Windows** suministrado.

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PDF-Format Manual

More details of the features and procedures for using the Digital Video Software are explained in the PDF format manual provided on the DIGITAL VIDEO SOLUTION DISK For Windows or DIGITAL VIDEO SOLUTION DISK For Macintosh.



- The software application Adobe Reader or Adobe Acrobat Reader is required to view the PDF manual. If one of these applications is not already installed on your computer, download it from the following website.
<http://www.adobe.com/products/acrobat/readstep2.html>
 - We recommend copying the PDF file to your computer.
1. Set the DIGITAL VIDEO SOLUTION DISK For Windows or DIGITAL VIDEO SOLUTION DISK For Macintosh in the computer's CD-ROM drive.
If the installer panel opens, click [Exit] to close it.
 2. Select [My Computer] from the [start] menu.
 3. Right-click the CD-ROM icon and select [Open] from the displayed menu.
 4. Double-click the [MANUAL] folder followed by the [ENGLISH] and [DIGITAL VIDEO SOFTWARE] folders.
 5. Double-click [DIGITAL VIDEOV13WENG N.PDF] or [DIGITAL VIDEOV13MENG N.PDF].
The PDF manual opens.

Read This First

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Do not play the supplied CD-ROM(s) in any CD player that does not support data CD-ROMs. Playing the CD-ROM(s) in an audio CD player (music player) could damage the speakers. It is also possible to suffer from hearing loss from listening with headphones to the loud sounds of a CD-ROM played on a music CD player.

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MPEG-4 Visual Consumer Recorded Video Decoders and/or Encoders

USE OF THIS PRODUCT IN ANY MANNER THAT COMPLIES WITH THE MPEG-4 VISUAL STANDARD IS PROHIBITED, EXCEPT FOR USE BY A CONSUMER ENGAGING IN PERSONAL AND NON-COMMERCIAL ACTIVITIES.

Read This First

Checking Supplied Accessories

Use the following accessories to download recorded images from a memory card to your computer.

- IFC-300PCU USB Cable



- DIGITAL VIDEO SOLUTION DISK For Windows
- DIGITAL VIDEO SOLUTION DISK For Macintosh



- Windows users: Move on to p. 9.
- Macintosh users: Move on to p. 32.

The explanations in this manual use mainly Windows XP and Mac OS X version 10.2 screen shots.

Windows System Requirements

Please install the software on a computer meeting the following minimum requirements.

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- OS:** Windows 98 (First or Second Edition)
Windows Me
Windows 2000
Windows XP (Home Edition, Professional)
* Proper operation is not guaranteed on an OS that has been upgraded from a previous version.
- Computer Model:** Computers that come with above OS preinstalled and have built-in USB ports.
- CPU:** Windows 98/Windows Me/Windows 2000:
Pentium 150 MHz or better
Windows XP: Pentium 300 MHz or better
For all of the above OSs: Pentium 500 MHz or better is recommended (for editing movies)
- RAM:** Windows 98/Windows Me/Windows 2000: 64 MB or more
Windows XP: 128 MB or more
For all of the above OSs: 128 MB or more is recommended (for editing movies)
- Interface:** USB: only preinstalled Windows 98/Windows Me/Windows 2000/Windows XP systems with built-in USB ports
- Free Hard Disk Space:**
- Canon Utilities
 - ZoomBrowser EX: 200 MB or more (Including the PhotoRecord printing program)
 - PhotoStitch: 40 MB or more
 - Canon DV TWAIN Driver: 25 MB or more
 - Canon DV WIA Driver: 25 MB or more
- Display:** 800 × 600 pixels/High Color (16 bit) or better, 1024 × 768 pixels or better is recommended

Windows



- The USB interface is only supported for those computers that come with Windows 98/Windows Me/Windows 2000/Windows XP preinstalled and have built-in USB ports.
- Proper operation is not guaranteed on a dual CPU PC or on a user-built PC.
- Proper operation is not guaranteed on any particular system, even if it meets the requirements outlined above.
- A CD-ROM drive is required to install the software.

Windows System Requirements

- Not all operations performed with a connection to a USB 2.0 compatible board can be guaranteed.

What Can Be Accomplished with the Software

This topic introduces the main features of the software programs contained on the DIGITAL VIDEO SOLUTION DISK For Windows.

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■ **TWAIN Driver** (📖 14)

TWAIN Driver is the driver software for Windows 98 and Windows 2000 that is required for downloading images from a memory card to a computer.

■ **WIA Driver** (📖 14)

WIA Driver is the driver software for Windows Me that is required for downloading images from a memory card to a computer.

■ **Optura500 Canon DVC Storage Driver** (📖 16)

Canon DVC Storage Driver is the driver software for Windows 98 that is required to download MPEG-4 movies from a memory card to a computer.

■ **ZoomBrowser EX** (📖 23)

- Downloading images from a memory card to your computer.
- Categorizing, organizing, and searching large volumes of images.
- Creating mail attachments from still images. (Your e-mail software needs to be enabled as MAPI client.)
- Exporting images.
- Saving images on CD-R/RW Disks (Windows XP only).

■ **MovieEdit Task**

- Linking images.
- Inserting text and background music, and adding effects.

■ **MovieExport Task**

Changing the size or file format of selected movies and saving them as new files.

■ **PhotoRecord**

- Laying out and printing still images.
- Printing indexes.
- Creating still image albums.

■ **PhotoStitch**

Merging panoramic images.

This instruction manual explains how to install the software, connect the camcorder to a computer, and download images from a memory card to a computer. For more detailed operational instructions, refer to the PDF format manual provided on the DIGITAL VIDEO SOLUTION DISK For Windows, or the Help menu of each software program.

Installing the Software

Installing the Digital Video Software



- Be sure to install the Digital Video Software before connecting the camcorder to the computer.
- Users of Windows 2000 or Windows XP must first log in as an Administrator to install programs.



Windows XP Users:

- Your digital video camcorder is equipped with the standard Picture Transfer Protocol (PTP). This protocol enables you to download images by simply connecting the camcorder to a computer with the USB cable (the software such as the [Scanner and Camera Wizard] starts automatically). However, please note that there are several limitations to downloading images with this method. To avoid these problems, install ZoomBrowser EX to download images.
- It may take a few minutes, after connecting the camcorder, until you can download images.
 - Images protected on the camcorder may lose this setting once they are downloaded to the computer.

1. Check a camcorder is not connected to the computer.

While a camcorder is connected to the computer, the software cannot be installed normally. If a camcorder is connected, detach the USB cable from the computer.

2. Close any programs that are running.

3. Set the DIGITAL VIDEO SOLUTION DISK For Windows in the computer's CD-ROM drive.

- The installer panel opens automatically.
- If the installer panel does not open automatically, use the following procedures to display it.

Windows 98/Windows Me/Windows 2000:

1. Double-click the [My Computer] icon.
2. Right-click the CD-ROM icon and select [Open] from the displayed menu.
3. Double-click the [Setup.exe] icon.

Windows XP:

1. Select [My Computer] from the [start] menu.
2. Right-click the CD-ROM icon and select [Open] from the displayed menu.
3. Double-click the [Setup.exe] icon.

Depending on the setting of your computer, the file extension ".exe" may not appear.

4. Select your language.

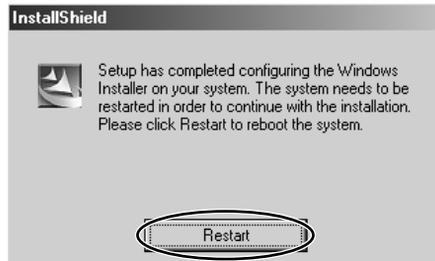
5. Click Digital Video Software [Install].

For details about the DV Network Software, refer to the *DV Network Software Instruction Manual*.

Installer Panel



If the following dialog appears, click [Restart] to restart the computer. After restarting the computer, installation automatically continues.

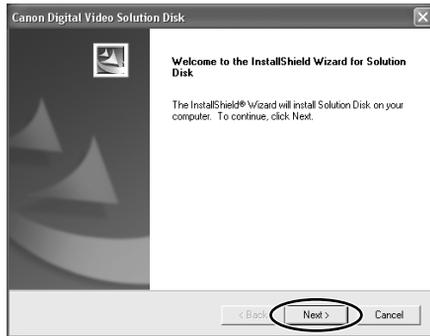


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Windows

Installing the Software

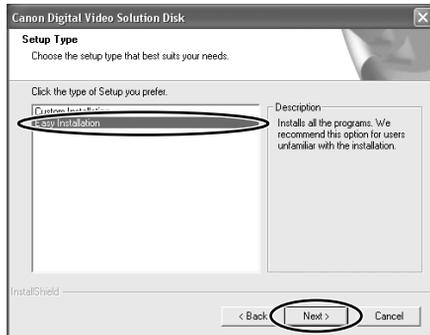
6. Click [Next].



7. Select [Easy Installation] and click [Next].

To install the software individually, select [Custom Installation]. When you select [Custom Installation], select a USB driver. (Windows XP: The USB driver supplied with the Windows operating system is used. You do not need to install a USB driver.)

- Windows 98/Windows 2000: Canon DV TWAIN Driver
- Windows Me: Canon DV WIA Driver



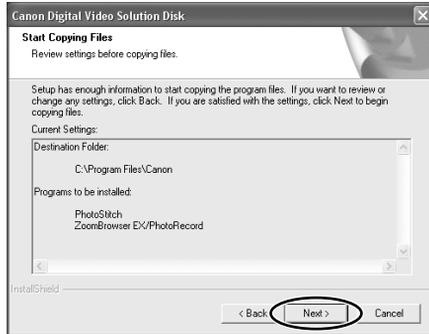
8. Select your country/region and click [Next].

9. Read the license agreement and click [Yes].

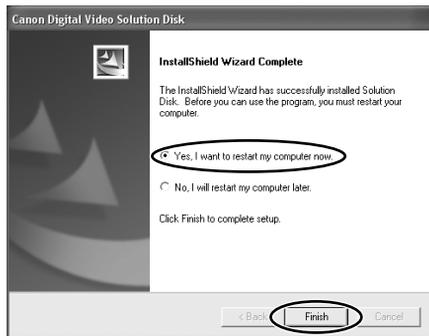
10. Review the installation settings and click [Next].

- Installation starts.
- If the “Digital signature not found” message appears, click [Yes].

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11. When installation is complete, select [Yes, I want to restart my computer now.] and click [Finish].



Windows

Installing the Software

12. When the computer has restarted and the regular desktop screen is displayed, remove the DIGITAL VIDEO SOLUTION DISK For Windows from the CD-ROM drive.



- When installation is complete, remove the DIGITAL VIDEO SOLUTION DISK For Windows before you connect the camcorder to the computer.
- Windows 98/Windows Me/Windows 2000: At this point, the files for the TWAIN Driver or WIA Driver have only been copied to your computer. To download images via USB connection, finish installing the TWAIN Driver or the WIA Driver. For details, see step 4 in *Connecting the Camcorder to a Computer* (□ 21).

optura 500 Installing the DVC Storage Driver (Users of Windows 98 Only)

If you wish to download MPEG-4 movies to the computer, install the DVC Storage Driver following the procedures below.

- 1. Connect the power adapter to the camcorder.**
- 2. Turn the POWER switch to PLAY (VCR) and move the TAPE/CARD switch to CARD.**
- 3. Press the CARD STILL/MOVIE button.**
- 4. Connect the camcorder to the computer using the supplied USB cable.**

The Add New Hardware Wizard appears.

- 5. Set the DIGITAL VIDEO SOLUTION DISK For Windows in the computer's CD-ROM drive.**

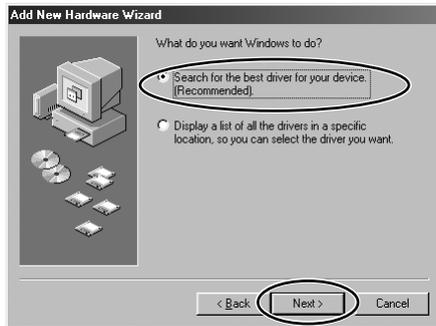
If the installer panel opens, close it.

6. Click [Next].



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7. Select [Search for the best driver for your device [Recommended]] and click [Next].



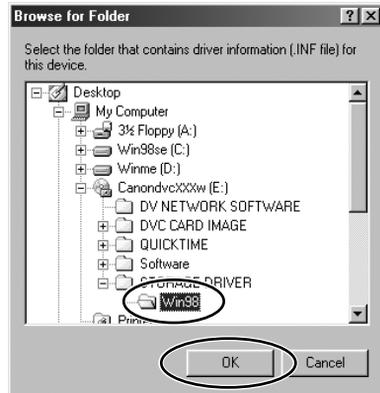
Windows

8. Select [Specify a location:] and click [Browse].



Installing the Software

9. On the [Browse for Folder] window, double-click the CD-ROM icon, followed by [STORAGE DRIVER] and [WIN98], and click [OK].



10. Click [Next].



11. Click [Next].

The installation starts.

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12. Click [Finish].

Installation is complete.

Windows



Installing the Software

13. Check if the DVC Storage Driver has been installed correctly.

Double-click the [My Computer] icon on the desktop and check if [Removable Disk] appeared. If [Removable Disk] is not shown, restart your computer. If it still does not appear, installation has not been completed correctly.



Connecting the Camcorder to a Computer



- **Optura 500** Make sure the camcorder is set to [STANDARD]. Open the menu and select [SYSTEM]. Select [CONNECT], check that it is set to [STANDARD] and close the menu.
- Make sure the camcorder is being powered using the power adapter before connecting it to a computer.
- Be sure to install the Digital Video Software before you connect the camcorder to the computer.
- Connect the USB cable directly to one of the computer's main USB ports. The interface may not function correctly if the camcorder is connected via a USB hub.
- The connection may not operate correctly if you are using other USB devices, excluding USB mice or keyboards, at the same time. If this occurs, disconnect the other devices from the computer and try reconnecting the camcorder.
- Do not connect two or more camcorders to the computer. The camcorders may not operate normally.
- **Never allow the computer to go into standby (sleep) mode while a camcorder is connected via the USB interface.**



- Refer to your computer manual for the location of the computer's USB ports.
- See your camcorder instruction manual for connecting instructions.

1. Insert a memory card containing images into the camcorder.

2. Connect the power adapter to the camcorder.

3. Turn the POWER switch to PLAY (VCR) and move the TAPE/CARD switch to CARD.

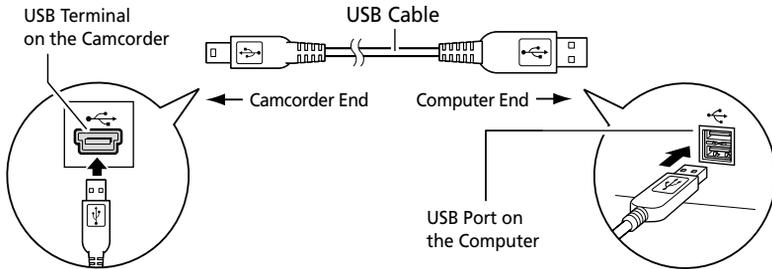
Wait until the card access indicator stops flashing.

4. Attach the supplied USB cable to the computer's USB port and the camcorder's USB Terminal.

- **The first time you connect the camcorder to the computer:**
 - Installation of the DV TWAIN Driver (Windows 98/Windows 2000) or the DV WIA Driver (Windows Me) starts.
 - If the "Digital signature not found" message appears, click [Yes].
 - After a few moments, a message such as "New Hardware Found" appears and the driver will be installed automatically.
 - If you are prompted to restart the computer, restart the computer.
- Windows 98/Windows 2000/Windows XP: A window appears allowing you to select an application program to start.
- Windows Me: The Scanners and Cameras Wizard starts. Click [Cancel] to close the Wizard.

Connecting the Camcorder to a Computer

- For instructions on how to start ZoomBrowser EX and download images to the computer, see *Downloading Images* (p. 23).



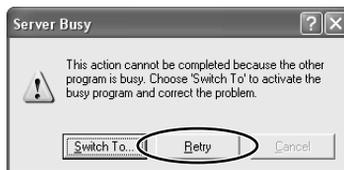
Downloading Images (ZoomBrowser EX)



- Observe following precautions when the camcorder's card access indicator is flashing (the camcorder is reading or writing from or to the memory card). Failure to do so may cause memory card data to become corrupted.
 - Do not open the memory card cover, remove the memory card or detach the USB cable.
 - Do not turn off the camcorder or the computer.
 - Do not change the position of the POWER switch or the TAPE/ CARD switch.
- Images recorded onto the memory card or downloaded to the hard disk are important original data files. Create a copy of the file first before working on it on your computer.
- **optura 500** MPEG-4 movies cannot be downloaded with this procedure. Refer to *Downloading MPEG-4 Movies to a Computer* (□ 31).
- **For Windows XP Users:**
 - Do not rotate the image in the [Windows Picture and Fax Viewer] or in the explorer view. The file format of the original image will be changed and the image can no longer be displayed in ZoomBrowser EX or on the camcorder.
 - A movie file exceeding 210 MB cannot be downloaded.
 - If the Server Busy window appears when you connect the camcorder to the computer, click [Retry].

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Windows

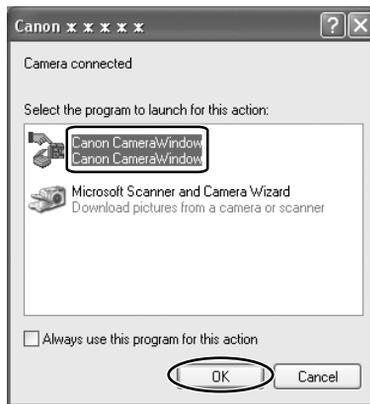


- You cannot connect the camcorder to a computer if the memory card contains more than 1800 images. For best performance, we recommend keeping the number of images on the memory card below 100 when downloading images to the computer.
- For instructions on how to connect a PC card reader/writer, see *Using a PC Card Reader/Writer* (□ 29).
- **optura 500** Motion JPEG movies recorded with other Canon camcorders can be downloaded with the same procedure as still images. Motion JPEG movies are displayed with a movie icon above the thumbnail in the Camera Window.

Downloading Images (ZoomBrowser EX)

Starting ZoomBrowser EX

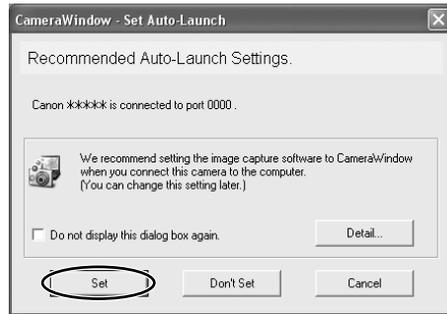
1. Connect the camcorder to the computer (📖 21).
2. Select [Canon CameraWindow] and click [OK].



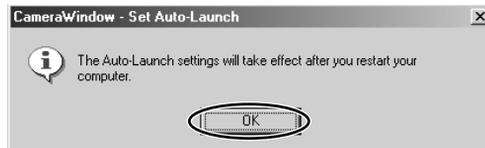
- Windows XP: If the window does not appear or if "PC CONNECT" does not appear on the camcorder screen, click the Windows [start] menu and select [All Programs], [Canon Utilities], [CameraWindow] and [CameraWindow Set Auto-Launch].
- Windows 2000: If [Canon CameraWindow] is not listed, click the Windows [Start] menu and select [Programs], [Canon Utilities], [CameraWindow] and [CameraWindow Set Auto-Launch].
- Windows Me: If the window does not appear, click the Windows [Start] menu and select [Programs], [Canon Utilities], [CameraWindow] and [CameraWindow Set Auto-Launch].
- If a camcorder and PC card reader are connected at the same time, a dialog appears allowing you to select the camcorder model. Confirm that [Canon Camera] or your camcorder model name is displayed and click [OK].

3. Click [Set].

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- The [CameraWindow (Launcher)] icon appears on the taskbar.
- Windows Me: If the following dialog appears, click [OK]. To change the settings, you need to restart the computer.



Windows

Downloading Images (ZoomBrowser EX)

- The [CameraWindow - Download image(s)] window opens.



- [Start Image Download]: ZoomBrowser EX starts. The Camera Window opens and images will be downloaded to the computer. For details, see *Auto-Downloading* (□ 26).
 - [List Images]: ZoomBrowser EX starts. The Camera Window opens, displaying the camcorder images as thumbnails (small images). For details, see *Downloading Images from the Camera Window* (□ 27).
 - [Browse Images with ZoomBrowser EX]: ZoomBrowser EX starts and the Main Window opens.
- The next time you connect the camcorder to the computer, ZoomBrowser EX starts automatically and the [CameraWindow - Download Image(s)] window opens.

Using the Computer to Download Images

You can select a downloading method in the [CameraWindow - Download Image(s)] window.

Auto-Downloading

Click **[Start Image Download]** in the **[CameraWindow - Download Image(s)]** window.

Downloading Images from the Camera Window

1. Click [List Images] in the [CameraWindow - Download Image(s)] window.

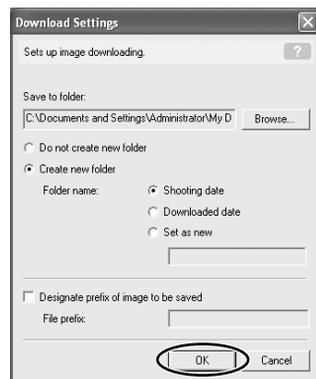
ZoomBrowser EX starts and the Camera Window opens.

2. In the Camera Window, select the image you wish to download and click [Download image].

- An orange frame appears around the selected image.
- You can select multiple images by continuously clicking on the images. Click on the image again to deselect.



3. In the Download Settings window, confirm the settings and click [OK].



Downloading Images (ZoomBrowser EX)

The Camera Window closes and the Main Window opens. The downloaded images appear in the Main Window.



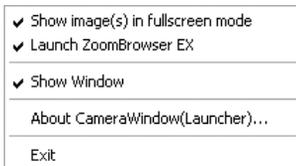
Using the Camcorder to Download Images (Direct Transfer Function)

If your camcorder supports the Direct Transfer Function, you can use the camcorder to download images.

When you followed steps 1 to 3 in *Starting ZoomBrowser EX* (□ 24), the direct transfer menu appears on the camcorder screen and the  (print/share) button lights up each time you connect the camcorder to the computer.

Select a transfer option on the camcorder screen and press the  button.

- See your camcorder instruction manual for how to set and operate the camcorder to transfer images.
- The  button cannot be used when it is not lighted.
- You can set the action that is carried out for direct transfer. Right-click the [CameraWindow(Launcher)] icon on the taskbar and select an action from the displayed menu.



- [Show image(s) in fullscreen mode]: Displays downloaded images in full screen mode.
- [Launch ZoomBrowser EX]: Starts ZoomBrowser EX after downloading the images.
- [Show Window]: The [CameraWindow - Download Image(s)] window appears when you connect the camcorder to the computer.

Using a PC Card Reader/Writer

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The basic operations of ZoomBrowser EX are the same as when you connect the camcorder to the computer. Follow the procedure below to open the Camera Window.

For instructions on how to connect the PC Card Reader/Writer, please refer to its manual.

1. Insert a memory card containing images recorded with the camcorder into the reader.
2. Windows 98/Windows Me/Windows 2000: Double-click the [ZoomBrowser EX] icon on the desktop.



Windows XP: When a window appears allowing you to select an application program to start, select [Download/View Images using ZoomBrowser EX] and click [OK].

ZoomBrowser EX starts and the [CameraWindow - Download Image(s)] window opens. Move on to step 5.

3. Click [Camera & Memory Card].

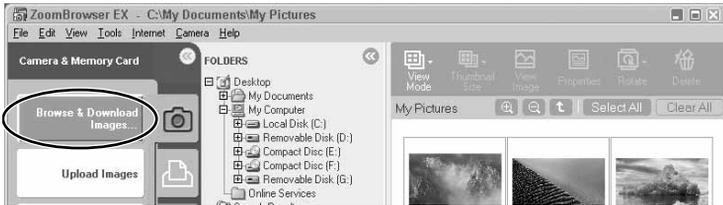


Windows

Downloading Images (ZoomBrowser EX)

4. Click [Browse & Download Images].

If multiple PC card readers loaded with memory cards are connected or if a camcorder and a PC card reader are connected, a selection dialog will appear before the [CameraWindow - Download Image(s)] window opens. Select one of the devices to proceed and click [OK].



5. Select a downloading method.

- [Start Image Download]: ZoomBrowser EX starts. The Camera Window opens and images will be downloaded to the computer.
- [List Images]: ZoomBrowser EX starts. The Camera Window opens, displaying the camcorder images as thumbnails (small images).
- [Browse Images with ZoomBrowser EX]: ZoomBrowser EX starts and the Main Window opens.



optura 500 Downloading MPEG-4 Movies to a Computer



- Users of Windows 98 must install the DVC Storage Driver to download MPEG-4 movies (□ 16).
- Movie information and thumbnails of MPEG-4 movies may not appear in ZoomBrowser EX.

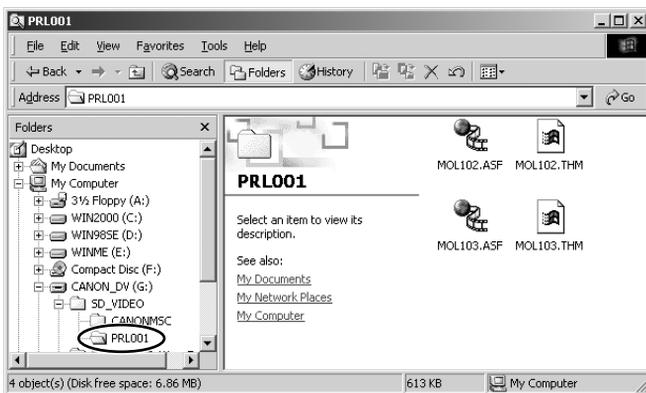
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- 1. Connect the power adapter to the camcorder.**
- 2. Turn the POWER switch to PLAY (VCR) and move the TAPE/CARD switch to CARD.**
- 3. Press the CARD STILL/MOVIE button.**
- 4. Connect the camcorder to the computer using the supplied USB cable.**

With Windows Me, Windows 2000 and Windows XP, the driver will be installed automatically the first time you connect the camcorder to the computer.

- 5. In Windows Explorer, double-click the [CANON_DV] icon followed by the [SD_VIDEO] and [PRL***] folders.**

A number appears in place of the asterisk. Select the one that contains the movie file you wish to download.



- 6. Click on a movie file and drag it to the folder in which you wish to download the file.**

The movie file is copied to the selected folder.

Macintosh System Requirements

OS:	Mac OS 9.0-9.2, Mac OS X (version 10.1/10.2/10.3)
Computer Model:	Computers that come with above OS preinstalled and have built-in USB ports.
CPU:	PowerPC
RAM:	Mac OS 9.0-9.2: 64 MB or more of application memory Mac OS X (version 10.1/10.2/10.3): 128 MB or more
Interface:	USB
Free Hard Disk Space:	Canon Utilities – ImageBrowser 120 MB or more – PhotoStitch 30 MB or more
Display:	800 × 600 pixels/32,000 colors or better, 1024 × 768 pixels/32,000 colors or better is recommended



- Proper operation is not guaranteed on a user-built PC.
- Proper operation is not guaranteed on any particular system, even if it meets the requirements outlined above.
- ImageBrowser and PhotoStitch do not operate on disks formatted with the Unix File System (UFS).
- A CD-ROM drive is required to install the software.
- Not all operations performed with a connection to a USB 2.0 compatible board can be guaranteed.

What Can Be Accomplished with the Software

This topic introduces the main features of the software programs contained on the DIGITAL VIDEO SOLUTION DISK For Macintosh.

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■ ImageBrowser (📁 38)

- Downloading images recorded onto a memory card to your computer.
- Categorizing and organizing large volumes of images.
- Creating mail attachments from images.
- Exporting images.
- Adding a title and a comment, and printing still images.
- Printing indexes.

■ MovieEdit Task

- Linking images.
- Inserting text and background music, and adding effects.
- Changing the size or file format of selected movies and saving them as new files.

■ PhotoStitch

Merging panoramic images.

This instruction manual explains how to install the software, connect the camcorder to a computer, and download images from a memory card to a computer. For more detailed operational instructions, refer to the PDF format manual provided on the DIGITAL VIDEO SOLUTION DISK For Macintosh, or the Help menu of each software program.

Installing the Digital Video Software



Before you connect the camcorder to the computer with the USB cable for the first time, you must install the Digital Video Software.



Mac OS X (version 10.1/10.2/10.3) Users:

Your digital video camcorder is equipped with the standard Picture Transfer Protocol (PTP). This protocol enables you to download images by simply connecting the camera to a computer with the USB cable (using software such as iPhoto or Image Capture preinstalled on Mac OS X). However, please note that there are several limitations to downloading images with this method. To avoid these problems, install ImageBrowse^r to download images.

- It may take a few minutes, after connecting the camcorder, until you can download images.
- Only AVI* movie files can be downloaded. Thumbnails cannot be downloaded.
 - * Two files are created in the camcorder (for example: [MVI_0001.AVI] and [MVI_0001.THM]). [MVI_0001.THM] files cannot be downloaded but movies can still be played back on the computer.
- Mac OS X version 10.2
 - You may not be able to download images with iPhoto if the memory card contains an enormous volume of images (approx. 900 or more).
 - The Exif* version may change to 2.1 and image information may be modified when downloading images with Image Capture. To download images without any information changes, use the following procedures:
 1. Connect the camcorder to the computer and prepare it to transfer data.
 2. Start Image Capture.
 3. In the screen that appears, click [Options].
 4. Remove the checkmark from [Embed Colorsync profile] in the [Download Options] tab and click [OK].
 - * Images shot with camcorders complying with Exif Print incorporate shooting settings information, such as the shooting conditions and program AE mode, along with the image data.

1. Close any programs that are running.

2. Set the DIGITAL VIDEO SOLUTION DISK For Macintosh in the computer's CD-ROM drive.

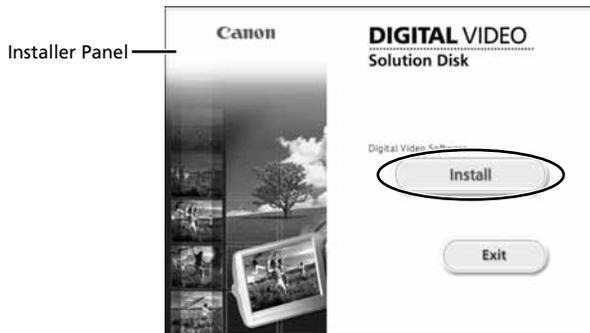
- 3. Mac OS 9.0-9.2:** Double click the CD-ROM icon, followed by the [Mac OS 9] and [Canon Digital Video Installer] icons.

Mac OS X (version 10.1/10.2/10.3): Double click the CD-ROM icon, followed by the [Mac OS X] and [Canon Digital Video Installer] icons.

The installer panel opens.

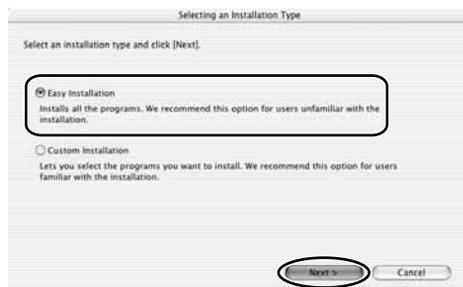
- 4. Select your language.**

- 5. Click Digital Video Software [Install].**



- 6. Select [Easy Installation] and Click [Next].**

To install the software individually, select [Custom Installation].

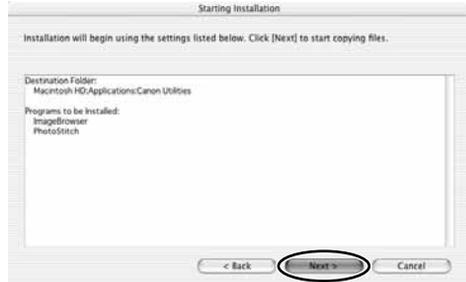


Installing the Digital Video Software

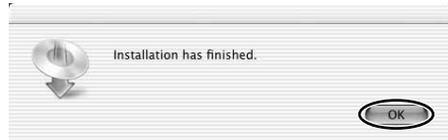
7. Read the license agreement and click [Agree].

8. Review the installation settings and click [Next].

Installation starts.



9. When the "Installation has finished." message appears, click [OK].



10. After the installation is complete, restart the computer as prompted.

Connecting the Camcorder to a Computer

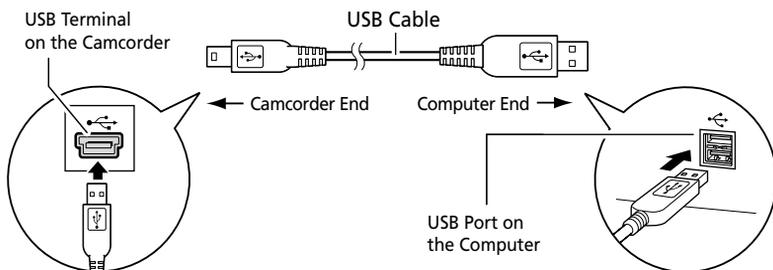
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-  ○ **Optura 500** Make sure the camcorder is set to [STANDARD]. Open the menu and select [SYSTEM]. Select [CONNECT], check that it is set to [STANDARD] and close the menu.
 - Make sure the camcorder is being powered using the power adapter before connecting it to a computer.
 - Be sure to install the Digital Video Software before you connect the camcorder to the computer.
 - Connect the USB cable directly to one of the computer's main USB ports. The interface may not function correctly if the camcorder is connected via a USB hub.
 - The connection may not operate correctly if you are using other USB devices, excluding USB mice or keyboards, at the same time. If this occurs, disconnect the other devices from the computer and try reconnecting the camcorder.
 - Do not connect two or more camcorders to the same computer via the USB interface. The connections may not operate correctly.
 - **Never allow the computer to go into standby (sleep) mode while a camcorder is connected via the USB interface.**
-
-  ○ Refer to your computer manual for the location of the computer's USB ports.
 - See your camcorder instruction manual for connecting instructions.

- 1. Insert a memory card containing images into the camcorder.**
- 2. Connect the power adapter to the camcorder.**
- 3. Turn the POWER switch to PLAY (VCR) and move the TAPE/CARD switch to CARD.**

Wait until the card access indicator stops flashing.

- 4. Attach the supplied USB cable to the computer's USB port and the camcorder's USB Terminal.**



Downloading Images (ImageBrowser)

Below explains the procedure for connecting a camcorder to a computer using the USB cable.

For connecting a PC card reader/writer, see *Using a PC Card Reader/Writer* (📖 43).



- Observe following precautions when the camcorder's card access indicator is flashing (the camcorder is reading or writing from or to the memory card). Failure to do so may cause memory card data to become corrupted.
 - Do not open the memory card cover, remove the memory card or detach the USB cable.
 - Do not turn off the camcorder or the computer.
 - Do not change the position of the POWER switch or the TAPE/CARD switch.
- Images recorded onto the memory card or downloaded to the hard disk are important original data files. Create a copy of the file first before working on it on your computer.
- **Optura 500** MPEG-4 movies cannot be downloaded with this procedure. Refer to *Downloading MPEG-4 Movies to a Computer* (📖 44).



Optura 500 Motion JPEG movies recorded with other Canon camcorders can be downloaded with the same procedure as still images. Motion JPEG movies are displayed with a movie icon above the thumbnail in the Camera Window.

Starting ImageBrowser

Mac OS 9.0-9.2

1. Connect the camcorder to the computer (📖 37).

- ImageBrowser starts and the ImageBrowser Automation Wizard dialog appears. In the ImageBrowser Automation Wizard dialog, you can select the action that is carried out after ImageBrowser starts.
- A dialog with the previously selected automated settings will appear the next time you start ImageBrowser.
 1. To use these settings unchanged, click the [Start] button.
 2. To do nothing, click [Cancel].
 3. To change the settings, click [Settings Change], select the action and click [OK].

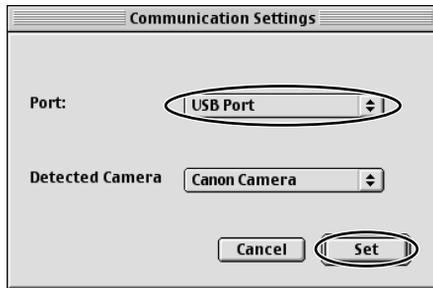
2. Select [Display Images] and click [OK].

The Communications Settings window appears. This window only appears the first time the camcorder is connected.

3. Confirm that [USB port] and [Canon Camera] are selected and click [Set].

The Camera Window opens, displaying the camcorder images as thumbnails (small images).

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How to Set ImageBrowser to Not Start Automatically

1. Click the Apple menu  and select [Control Panels] and [Canon ImageBrowser Auto Launch].
2. Click [The application program below will start] to remove the check mark.
3. Click the close box  at the upper left to close the dialog.

ImageBrowser will cease to start automatically thereafter.

Click here to close the dialog



Downloading Images (ImageBrowser)

Mac OS X (version 10.1/10.2/10.3)



Do not connect the camcorder while the Classic environment is started. Likewise, do not start the Classic environment while the camcorder is connected.

1. **Connect the camcorder to the computer (37).**
2. **Double-click the [Canon ImageBrowser] icon on the desktop.**

If the Canon ImageBrowser icon does not appear on the desktop, double-click the [Canon Utilities] folder on the drive on which the program was installed, followed by the [ImageBrowser] folder and [ImageBrowser] icon.



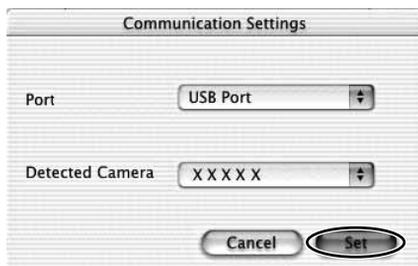
3. **Click [Canon Camera] in the Explorer View section.**

The Communications Settings window appears. This window only appears the first time the camcorder is connected.



4. **Confirm that [USB port] and a Canon camcorder are selected and click [Set].**

The Camera Window opens, displaying the camcorder images as thumbnails (small images).



Downloading Images to the Computer

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1. Mac OS 9.0-9.2: Select [Macintosh HD] in the explorer view section.

Mac OS X (version 10.1/10.2/10.3): Select the [🏠 (user name)] subfolder of the [Users] folder in [Macintosh HD].



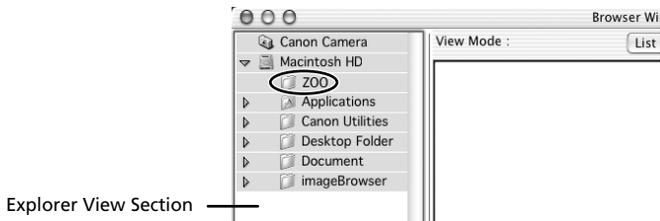
Explorer View Section

2. Create a new folder for saving images from the memory card in the camcorder.

Click the [File] menu and select [New Folder]. A folder with the name "Untitled" will be created. Click it to change the folder name as you wish. In this example, we will input "ZOO."



3. In the Explorer View Section, click the newly created folder.

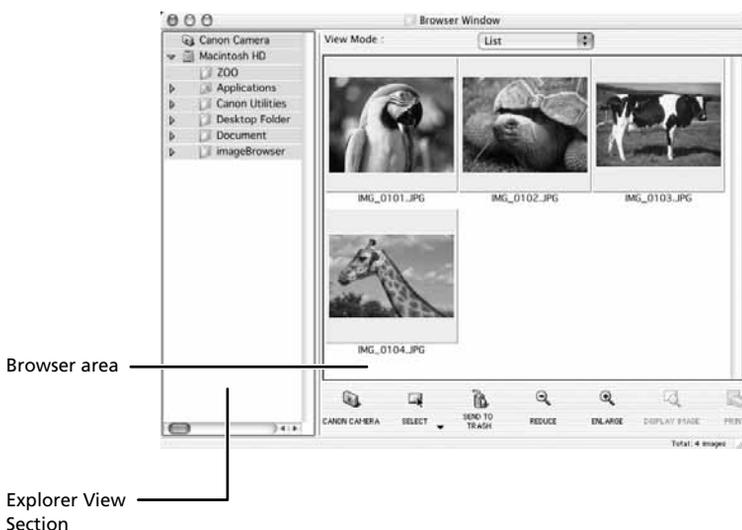
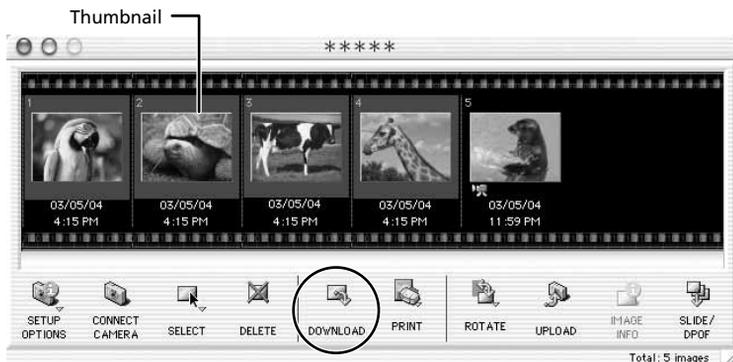


Explorer View Section

Downloading Images (ImageBrowser)

4. Select images in the Camera window and click [DOWNLOAD].

- You can select multiple images by holding down [Shift] or [Option] + [Shift] while clicking.
- A blue frame appears around the selected image.
- Downloaded images are saved to the computer and appear in the Browser area.



To disconnect the camcorder, click the close box (Mac OS 9.0-9.2) or the red close box (Mac OS X (version 10.1/10.2/10.3)) at the upper left of the Camera Window. The Camera Window will close.



- Double-clicking an image on the Camera window imports it to the computer.
- You can also download images to the computer by dragging them from the Camera window and dropping them on the Browser area or the Explorer View Section.

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Using a PC Card Reader/Writer

The basic operations of ImageBrowser are the same as when you connect the camcorder to the computer. Follow the procedure below to open the Camera Window.

For instructions on how to connect the PC Card Reader/Writer, please refer to the PC Card Reader Manual.

1. Insert a memory card into the reader.

Mac OS X (version 10.1/10.2/10.3): If a dialog appears, click the red close box.

2. Double-click the [Canon ImageBrowser] icon on the desktop.

- ImageBrowser starts.
- If the icon does not appear on the desktop, double-click the folder in which you installed the program, followed by the [Canon Utilities] and [ImageBrowser] folders and the [ImageBrowser] file.



3. Double-click the [CANON_DV] and [DCIM] folders in the Explorer View Section.

The Camera Window opens, displaying the memory card images as thumbnails (small images).



Explorer View Section

optura 500 Downloading MPEG-4 Movies to a Computer

 Movie information and thumbnails of MPEG-4 movies may not appear in ImageBrowser.

- 1. Connect the power adapter to the camcorder.**
- 2. Turn the POWER switch to PLAY (VCR) and move the TAPE/CARD switch to CARD.**
- 3. Press the CARD STILL/MOVIE button.**
- 4. Connect the camcorder to the computer using the supplied USB cable (book 37).**
- 5. Double-click the [CANON_DV] icon followed by the [SD_VIDEO] and [PRL***] folders.**

A number appears in place of the asterisk. Select the one that contains the movie file you wish to download.



- 6. Click on the movie file and drag it to the folder in which you wish to download the file.**

The movie file is copied to the selected folder.

Canon

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