

Canon

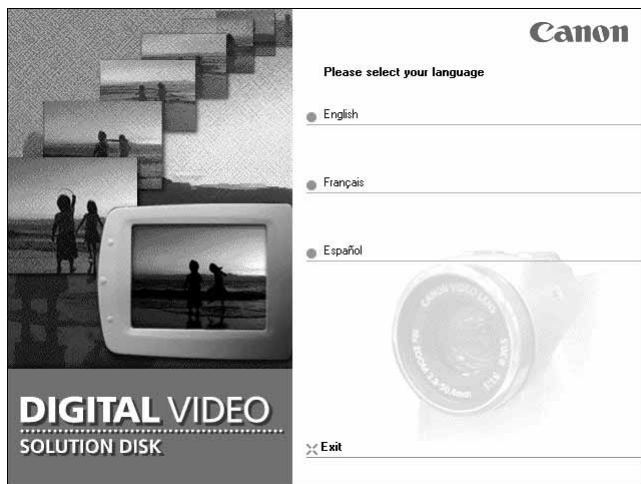
DIGITAL VIDEO SOLUTION DISK

Version 3

Software Instruction Manual

Mode d'emploi du logiciel

Manual de Instrucciones del software

 E

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Read This First

You can connect a camcorder with a USB terminal to the PC using a USB cable to download still images recorded on the memory card of the camcorder. You can also use the software provided to sort, store, and print still images.

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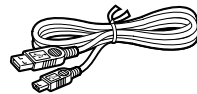
Safety Precautions

- 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.

Checking Supplied Accessories

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

- IFC-300PCU USB Cable



- Canon DIGITAL VIDEO SOLUTION DISK



- | |
|--|
| <ul style="list-style-type: none">- Windows users: Move on to p. 8.- Macintosh users: Move on to p. 53. |
|--|

Windows System Requirements

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

Computer Model:	IBM PC/AT compatible
OS:	Windows 98 (First or Second Edition), Windows Millennium Edition (Windows Me), Windows 2000, Windows XP Proper operation is not guaranteed on an OS that has been upgraded from a previous version.
CPU:	Pentium 150 MHz or better (Windows XP: Pentium 300 MHz or better)
RAM:	Windows 98: 32 MB or more, Windows Me/Windows 2000: 64 MB or more, Windows XP: 128 MB or more
Interface:	USB: only preinstalled Windows 98/Windows Me/Windows 2000/Windows XP systems with built-in USB ports
Free Hard Disk Space:	<ul style="list-style-type: none">• Canon Utilities<ul style="list-style-type: none">- ZoomBrowser EX: 120 MB or more (Including the PhotoRecord printing program)- PhotoStitch: 40 MB or more
Display:	800 × 600 pixels/256 colors (8 bit) or better, 1,024 × 768 pixels/High Color (16 bit) or better is recommended



Notes:

- 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 for all computers that meet the above requirements.
- A CD-ROM drive is required to install the software.
- 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.

What Can Be Accomplished with the Software

This topic introduces the main features of the software programs contained on the CD-ROMs.

■ DVC Storage Driver (12)

- Driver software required for connecting the camcorder to your PC using a USB cable. Makes it possible to use the camcorder as a memory card reader/writer.

■ ZoomBrowser EX (33)

- Downloading Still Images from a Memory Card to your Computer.
- Categorizing and Organizing Large Volumes of Images*.
- Searching and Organizing Images Chronologically*.
- Creating Mail Attachments from Images*.

■ PhotoRecord (42)

- Laying Out and Printing Images.
- Printing Indexes.

■ PhotoStitch (45)

- Merging Panoramic Images.

*: For instructions on these features, refer to the ZoomBrowser EX Software User Guide.

How to view the ZoomBrowser EX Software User Guide



In order to view the ZoomBrowser EX Software User Guide, it is required that Adobe® Acrobat® Reader is installed on your computer. If it is not, install it according to "How to install Adobe Acrobat Reader" below.

1. Place the Canon Digital Video Solution Disk in the computer's CD-ROM drive.
The installer panel will be displayed.
2. In the installer panel, click [ZoomBrowser EX Software Guide].
The guide will be displayed.
- If the installer panel does not appear automatically, open the [Readme] and [English] folders on the CD-ROM and double-click the [ZOOMBROWSER EX GUIDE.PDF] file.

How to install Adobe Acrobat Reader

1. Place the Canon Digital Video Solution Disk in the computer's CD-ROM drive.
 2. Open the [Readme], [Acrobat-English] folders.
 3. Double-click the [ar405eng.exe] file to start the installer.
- Follow the onscreen instructions to install Adobe Acrobat Reader.

Installing from the Canon DIGITAL VIDEO SOLUTION DISK

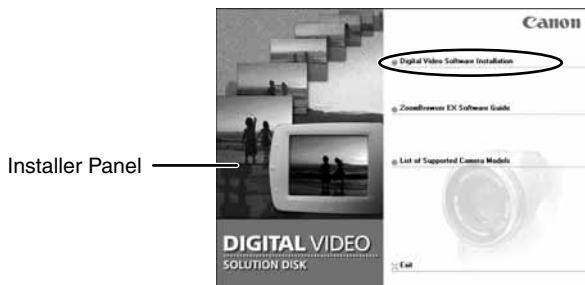
1. Close any programs that are running.

- Users of Windows 2000, Windows XP Professional must first log in as an Administrator to install programs.

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

- The installer panel opens automatically.
- If the installer panel does not appear automatically, use the following procedures to display it.
 1. Double-click the [My Computer] icon on the desktop to open it and double-click the CD-ROM icon.
 2. Double-click the [Setup] icon.

3. Click [Digital Video Software Installation].



4. Read the license agreement and click the [Yes] button.

5. Confirm the target folder for the installation and click the [Next] button.

- Normally, select (C:\Program Files\Canon).

6. Click the [Next] button.



7. Confirm the program selection and click the [Next] button.


- The installation starts.
- Follow the onscreen messages to proceed with the installation.

8. After the installation is complete and the installer panel displays again, click the [Exit] button.

- The installer panel disappears.
- Depending on the computer you are using, the installer panel might not display again after the installation is complete. Restart your computer if you are prompted to.





Next, install the DVC Storage Driver. Do not remove the CD-ROM from the computer's drive.

Note:

- For uninstalling programs contained in the DIGITAL VIDEO SOLUTION DISK such as the ZoomBrowser EX, see "Uninstalling the Software" ( 50).

Installing the DVC Storage Driver

The procedure for installation of the DVC Storage Driver differs depending on the computer you are using. Confirm the OS of your computer and go to the appropriate page as stated below.


Windows 98 ( 12), Windows Me ( 17), Windows 2000 ( 21), Windows XP ( 27).



- Be sure to install the DIGITAL VIDEO SOLUTION DISK before you connect the camcorder to the computer.
- Once you connect the camcorder to your computer after installing the Digital Video Solution Disk, make absolutely sure not to turn off the camcorder before installation of the DVC Storage Driver is complete.

Windows 98

Installing the DVC Storage Driver

- 1. Connect the Power Adapter to the camcorder.**
- 2. Connect the camcorder to the computer using the supplied USB cable ( 32).**
- 3. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.**
 - The Add New Hardware Wizard will open.
- 4. Click [Next].**



- 5. Select [Search for the best driver for your device. [Recommended].] and then click [Next].**

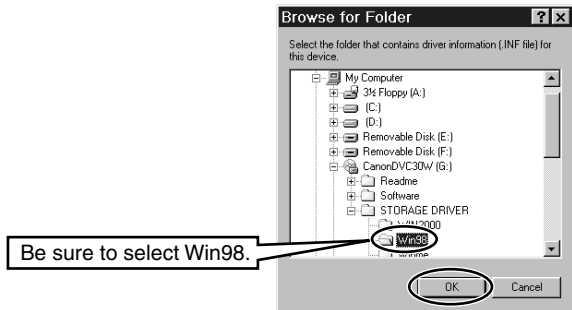


6. Select [Specify a location:] and then click [Browse...].

- If a check mark () is displayed beside [CD-ROM drive], click it to remove it.



7. On the [Browse for Folder] window, select [Win98] in the folder named [STORAGE DRIVER] on the CD-ROM, and then click [OK].



8. For [Specify a location:] display [G:\STORAGE DRIVER\WIN98], and then click [Next].

- The drive letter (e.g. "G:") varies depending on the computer you are using.



Installing the DVC Storage Driver

9. Click [Next].

- Driver installation starts.



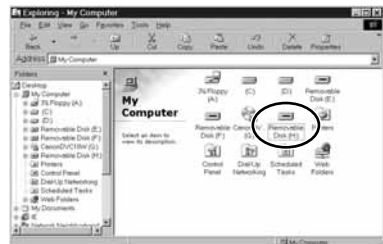
10. Click [Finish].

- Installation ends and the driver is registered by Explorer as [Removable Disk].



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

- Check if "Removable Disk" is shown in Explorer. If "Removable Disk" is not shown, restart your computer. In case "Removable Disk" does not appear even if you have restarted your computer, installation has not been done correctly (☒51).



Disconnecting the Camcorder From the Computer

1. Turn off the camcorder and detach the USB cable.

- To detach the cable, always hold the connector by its sides to pull it out.
- Turn off the camcorder before inserting/removing the memory card.

● When Uninstalling the DVC Storage Driver

If DVC Storage Driver installation has not been done correctly, or when otherwise necessary, uninstall the driver.

1. Connect the Power Adapter to the camcorder.

2. Connect the camcorder to the computer using the supplied USB cable (📖 32).

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

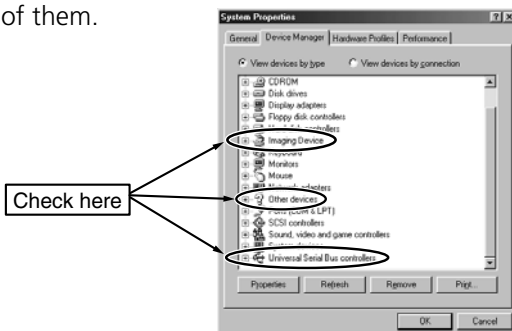
4. On the [Start] menu, select [Settings] ► [Control Panel].

5. Double-click the [System] icon.

6. Click the [Device Manager] tab.

7. Check if [Canon DVC] or [USB device] is displayed under [Other devices], [Imaging Device] or [Universal Serial Bus controllers].

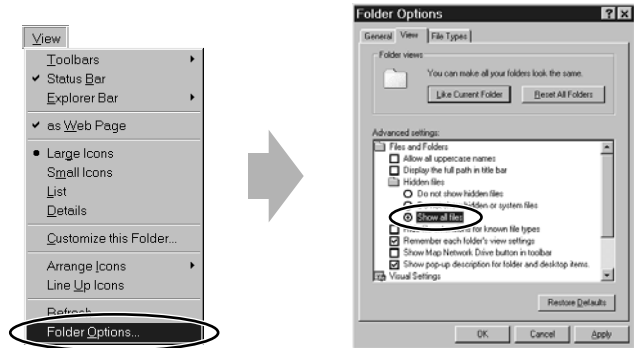
- If [Canon DVC] or [USB device] is found:
 1. Click [Canon DVC] or [USB device].
 2. Click [Remove].
 3. If a confirmation message appears, click [OK] and close [System Properties].
- If there are multiple [Canon DVC] or [USB device] entries under [Other devices], [Imaging Device] or [Universal Serial Bus controllers], delete all of them.



Installing the DVC Storage Driver

8. Double-click the [My Computer] icon on the desktop followed by the [C:] drive, the [WINDOWS], [INF] and [OTHER] folders.

- If you cannot find the [INF] folder inside the [WINDOWS] folder, perform the following steps.
 1. On the [View] menu, select [Folder Options].
 2. Click the [View] tab.
 3. Under [Hidden Files], select [Show all files].
 4. Click [OK].
 - The [Folder Options] dialog box closes.
 - You will now be able to see the folders and files you could not see previously.



9. Delete [Canon Inc. CANDV_98.INF].



- The Inf folder contains numerous files that are critical to the computer's operation. Be extremely careful not to delete the wrong files. If you delete the wrong file, you may be unable to restart Windows.

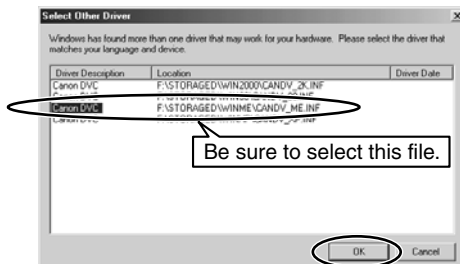
Installing the DVC Storage Driver

1. Connect the Power Adapter to the camcorder.
2. Connect the camcorder to the computer using the supplied USB cable (32).
3. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.
 - The Add New Hardware Wizard will open.
4. Select [Automatic search for a better driver [Recommended]] and then click [Next].



5. On the [Select Other Driver] window, select [F:\STORAGED\WINME\CANDV_ME.INF] and then click [OK].

- The drive letter (e.g. "F:") varies depending on the computer you are using.
- Driver installation starts.



Installing the DVC Storage Driver

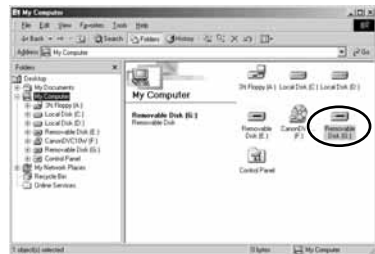
6. Click [Finish].

- Installation ends and the driver is registered by Explorer as [Removable Disk].



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

- Check if "Removable Disk" is shown in Explorer. If "Removable Disk" is not shown, restart your computer. In case "Removable Disk" does not appear even if you have restarted your computer, installation has not been done correctly (☐51).



Disconnecting the Camcorder From the Computer

1. Click the icon in the task bar.

- If the icon is not displayed in the task bar, turn off your computer and then detach the USB cable.



2. Click [Stop USB Disk - Drive[G:]].

- A message appears indicating that it is safe to remove the device.



3. Click [OK].



4. Turn off the camcorder and detach the USB cable.

- To detach the cable, always hold the connector by its sides to pull it out.
- Turn off the camcorder before inserting/removing the memory card.

● When uninstalling the DVC Storage Driver

If DVC Storage Driver installation has not been done correctly, or when otherwise necessary, uninstall the driver.

1. Connect the Power Adapter to the camcorder.

2. Connect the camcorder to the computer using the supplied USB cable (32).

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

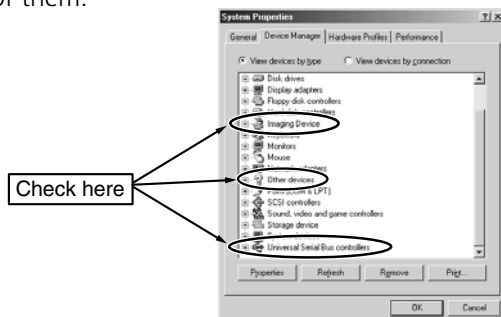
4. On the [Start] menu, select [Settings (S)] ► [Control Panel (C)].

5. Double-click the [System] icon.

6. Click the [Device Manager] tab.

7. Check if [Canon DVC] or [USB device] is displayed under [Other devices], [Imaging Device] or [Universal Serial Bus controllers].

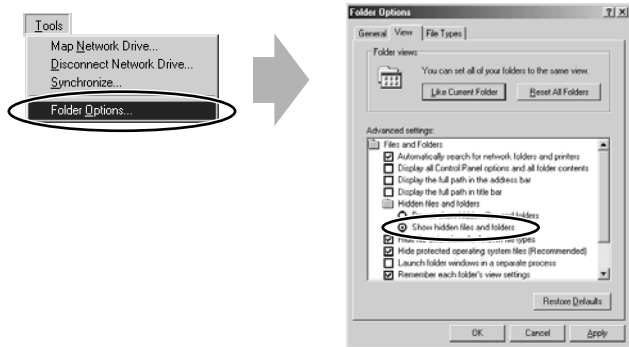
- If [Canon DVC] or [USB device] is found:
 1. Click [Canon DVC] or [USB device].
 2. Click [Remove].
 3. If a confirmation message appears, click [OK] and close [System Properties].
- If there are multiple [Canon DVC] or [USB device] entries under [Other devices], [Imaging Device] or [Universal Serial Bus controllers], delete all of them.



Installing the DVC Storage Driver

8. Double-click the [My Computer] icon on the desktop followed by the [C:] drive, the [WINDOWS], [INF] and [OTHER] folders.

- If you cannot find the [INF] folder inside the [WINDOWS] folder, perform the following steps.
 1. On the [Tools] menu, select [Folder Options].
 2. Click the [View] tab.
 3. Under [Hidden Files and Folders], select [Show hidden files and folders].
 4. Click [OK].
 - The [Folder Options] dialog box closes.
 - You will now be able to see the folders and files you could not see previously.




9. Delete [Canon Inc. CANDV_ME.INF].



- The Inf folder contains numerous files that are critical to the computer's operation. Be extremely careful not to delete the wrong files. If you delete the wrong file, you may be unable to restart Windows.

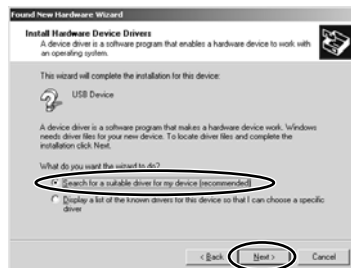
Installing the DVC Storage Driver

User of Windows 2000 must first log in as an Administrator to install programs.

1. Connect the Power Adapter to the camcorder.
2. Connect the camcorder to the computer using the supplied USB cable ( 32).
3. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.
 - The Found New Hardware Wizard will open.
4. On the [Found New Hardware Wizard] dialog box, click [Next].



5. Select [Search for a suitable driver for my device [recommended]] and then click [Next].



Installing the DVC Storage Driver

6. Select [Specify a location] and then click [Next].

- If a check mark (☑) is displayed beside [CD-ROM drive], click it to remove it.

Be sure to select this.



7. Click [Browse...].



8. For [Look in:], select the CD-ROM, [STORAGE DRIVER], [WIN2000] and [CANDV_2K], and then click [Open].



9. Click [OK].



10. Click [Next].

- Driver installation starts.



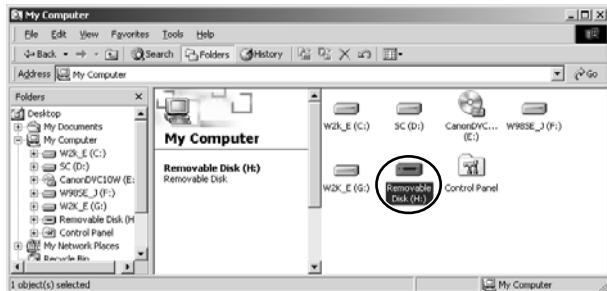
11. Click [Finish].

- Installation ends and the driver is registered by Explorer as [Removable Disk].



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

- Check if "Removable Disk" is shown in Explorer. If "Removable Disk" is not shown, restart your computer. In case "Removable Disk" does not appear even if you have restarted your computer, installation has not been done correctly (☐51).



Installing the DVC Storage Driver

Disconnecting the Camcorder From the Computer

1. Click the icon in the task bar.

- If the icon is not displayed in the task bar, turn off your computer and then detach the USB cable.



2. Click [Stop Canon DVC - Drive(H:)].

- The message [The 'Canon DVC' device can now be safely removed from the system] will appear on the display.



3. Click [OK].



4. Turn off the camcorder and detach the USB cable.

- To detach the cable, always hold the connector by its sides to pull it out.
- Turn off the camcorder before inserting/removing the memory card.

● Uninstalling the DVC Storage Driver

If DVC Storage Driver installation has not been done correctly, or when otherwise necessary, uninstall the driver.

1. Connect the Power Adapter to the camcorder.

2. Connect the camcorder to the computer using the supplied USB cable (32).

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

4. On the [Start] menu, select [Settings] ► [Control Panel].

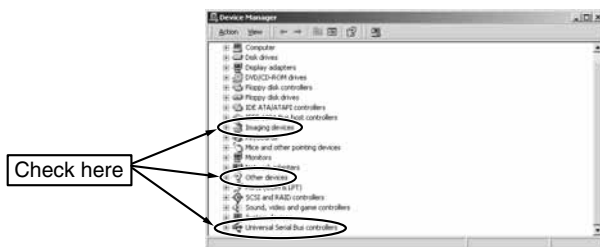
5. Double-click the [System] icon.

6. Click the [Hardware] tab in the [System Properties] dialog.

7. Click [Device Manager].

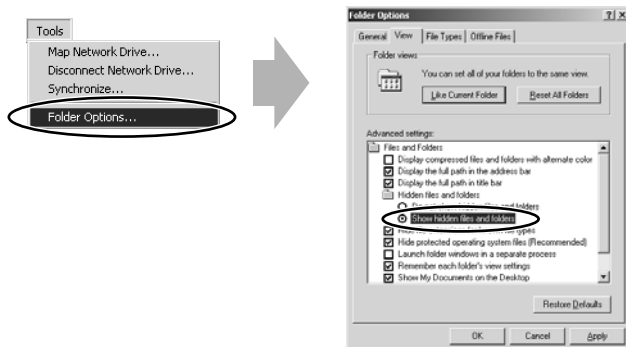
8. Check if [Canon DVC] or [USB device] is displayed under [Other devices], [Imaging Device] or [Universal Serial Bus controllers].

- If [Canon DVC] or [USB device] is found:
 1. Right-click [Canon DVC] or [USB device] and select [uninstall].
 2. If a confirmation message appears, click [OK] and close [Device Manager] and [System Properties].
- If there are multiple [Canon DVC] or [USB device] entries under [Other devices], [Imaging Device] or [Universal Serial Bus controllers], delete all of them.



9. Double-click the [My Computer] icon on the desktop followed by the [C:] drive, the [Winnt] and [Inf] folder.

- If you cannot find the [Inf] folder inside the [Winnt] folder, perform the following steps.
 1. On the [Tools] menu, select [Folder Options].
 2. Click the [View] tab.
 3. Under [Advanced Settings] [Files and Folders], select [Show hidden files and folders].
 4. Click [OK].
 - The [Folder Options] dialog box closes.
 - You will now be able to see the folders and files you could not see previously.



Installing the DVC Storage Driver

10. Double-click [Oem*].

- The asterisk (*) in the above stands for a value.
- The [Oem*] file is grouped with a file named [Oem*.pnf], which shares the same number in the position of the asterisk.
- The [Inf] file may contain multiple [Oem*] file groups.
- Double-clicking [Oem*] opens Notepad and displays the file contents. Repeat the above steps until you find the [Oem*] file with [;***Canon Digital Video Camera USB Setup File***] in its first line. After checking the content of the file, make a note of the file name.

11. Delete the [Oem*] file.


- Making sure that you do not make a mistake and delete the wrong file, delete the [Oem*] file and the [Oem*.pnf] file that corresponds to it.



- The Inf folder contains numerous files that are critical to the computer's operation. Be extremely careful not to delete the wrong files. If you delete the wrong file, you may be unable to restart Windows.

Installing the DVC Storage Driver

User of Windows XP Professional must first log in as an Administrator to install programs.

1. Connect the Power Adapter to the camcorder.
2. Connect the camcorder to the computer using the supplied USB cable ( 32).
3. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.
 - “Found New Hardware” will appear on the display.
4. On the [Found New Hardware Wizard] screen, select [Install from a list or specific location [Advanced].] and then click [Next].



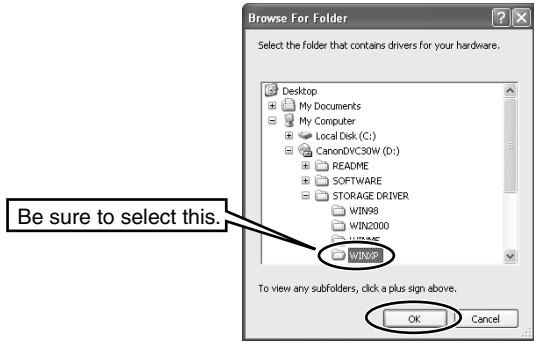
5. Select [Search for the best driver in these locations.] and then [Include this location in the search:]. Then click [Browse].
 - If a check mark () is displayed beside [Search removable media (floppy, CD-ROM...)], click it to remove it.

Be sure to select this.



Installing the DVC Storage Driver

- For [Browse For Folder], select [WINXP] in the [STORAGE DRIVER] folder on the CD-ROM, and then click [OK].



- Click [Next].

- Driver installation starts.



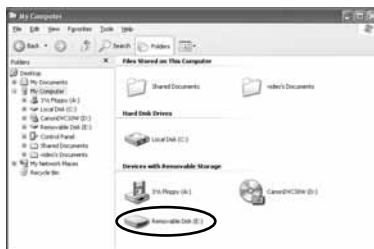
- Click [Finish].

- Installation ends and the driver is registered by Explorer as [Removable Disk].



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

- Check if “Removable Disk” or “CANON_DV” is shown in Explorer. If not, restart your computer. In case “Removable Disk” or “CANON_DV” does not appear even if you have restarted your computer, installation has not been done correctly. (51)



- Still 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.

Disconnecting the Camcorder From the Computer

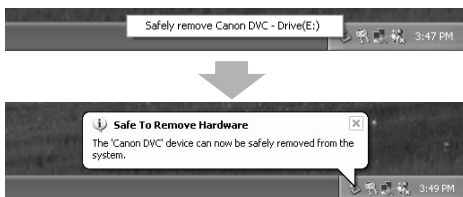
1. Click the icon in the task bar.

- If the icon is not displayed in the task bar, turn off your computer and then detach the USB cable.



2. Click [Safely remove Canon DVC - Drive (E:)].

- The message [Safe To Remove Hardware] will appear on the display.



3. Turn off the camcorder and detach the USB cable.

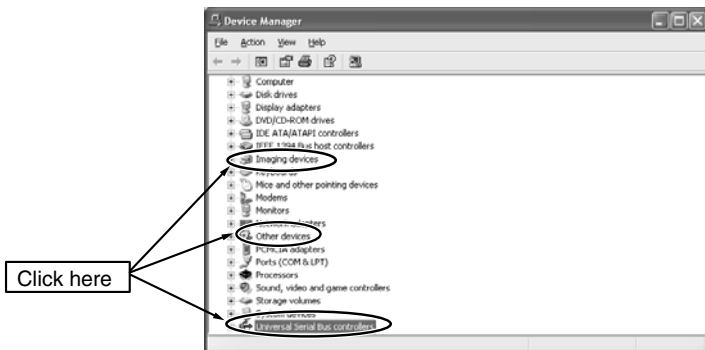
- To detach the cable, always hold the connector by its sides to pull it out.
- Turn off the camcorder before removing the memory card.

Installing the DVC Storage Driver

● When Uninstalling the DVC Storage Driver

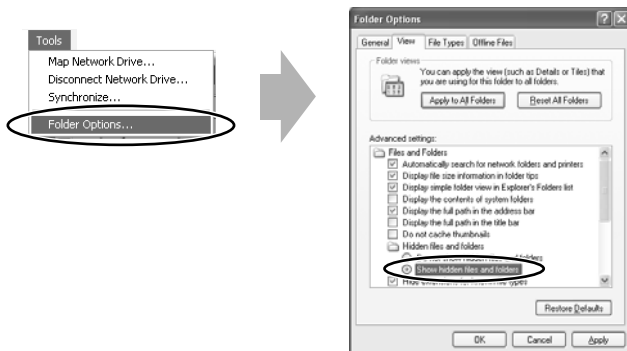
If DVC Storage Driver installation has not been done correctly, or when otherwise necessary, uninstall the driver.

1. Connect the Power Adapter to the camcorder.
2. Connect the camcorder to the computer using the supplied USB cable (32).
3. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.
4. On the [Start] menu, select [Control Panel (C)].
5. Select [Performance and Maintenance] ► [System].
6. Click the [Hardware] tab in the [System Properties] dialog.
7. Click [Device Manager].
8. Check if [Canon DVC] or [USB device] is displayed under [Other devices], [Imaging devices] or [Universal Serial Bus controllers].
 - If [Canon DVC] or [USB device] is found:
 1. Right-click [Canon DVC] or [USB device] and select [Uninstall].
 2. If a confirmation message appears, click [OK] and close [Device Manager] and [System Properties].
 - If there are multiple [Canon DVC] or [USB device] entries under [Other devices], [Imaging devices] or [Universal Serial Bus controllers], delete all of them.



9. From the [Start] menu, click [My Computer], [C:], [Windows] and [Inf] folder in succession.

- If you cannot find the [Inf] folder inside the [WINDOWS] folder, perform the following steps.
 1. On the [Tools] menu, select [Folder Options].
 2. Click the [View] tab.
 3. Under [Advanced Settings] [Hidden Files and Folders], select [Show hidden files and folders].
 4. Click [OK].
 - The [Folder Options] dialog box closes.
 - You will now be able to see the folders and files you could not see previously.



10. Double-click [Oem*].

- The asterisk (*) in the above stands for a value.
- The [Oem*] file is grouped with a file named [Oem*.pnf], which shares the same number in the position of the asterisk.
- The [Inf] file may contain multiple [Oem*] file groups.
- Double-clicking [Oem*] opens Notepad and displays the file contents. Repeat the above steps until you find the [Oem*] file with [;***Canon Digital Video Camera USB Setup File****] in its first line. After checking the content of the file, make a note of the file name and then close Notepad.

11. Delete the [Oem*] file.

- Making sure that you do not make a mistake and delete the wrong file, delete the [Oem*] file and the [Oem*.pnf] file that corresponds to it.



- The Inf folder contains numerous files that are critical to the computer's operation. Be extremely careful not to delete the wrong files. If you delete the wrong file, you may be unable to restart Windows.

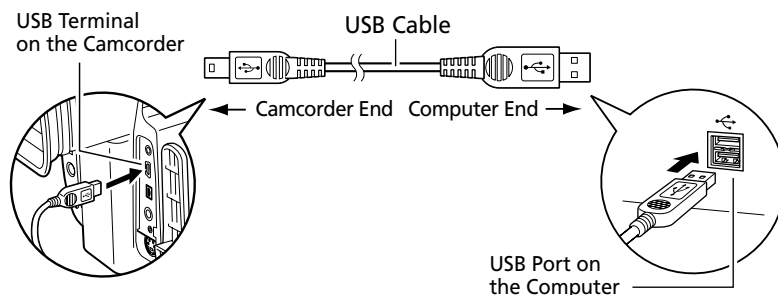
Connecting the Camcorder to a Computer

Connection Precautions

- Make sure the camcorder is being powered using the compact power adapter before connecting it to a computer.
- Be sure to install the DIGITAL VIDEO SOLUTION DISK before you connect the camcorder to the computer.
- Connect the camcorder directly to a USB port on the computer; not through a hub. The connection may not operate correctly through a 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. If it does happen, never disconnect the USB cable. Try to awaken the computer with the camcorder in the connected state. Some computers will not awaken properly if you disconnect the camcorder while they are in standby mode. Please refer to your computer manual for instructions regarding its standby mode.**

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

- You do not need to turn off the computer for this procedure.
- Refer to your computer manual for the location of the computer's USB ports.
- See your camcorder instruction manual for connecting instructions.



2. The driver software will install the first time (only) you connect via the USB interface. (12)

Downloading Images to a Computer (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 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.
- Format the memory card with the camcorder.
- Still 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.
- 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 the ZoomBrowser EX or on the camcorder.
- Before starting ZoomBrowser EX the first time, complete the following steps.
 1. Set the DIGITAL VIDEO SOLUTION DISK in the computer's CD-ROM drive.
 2. Double-click [My Computer].
 3. Double-click the CD-ROM icon followed by the [SOFTWARE], [ZOOMBRSR] folders, and the [ZB33_34UPD.REG] file.
 - When the Registry Editor dialog appears, click [Yes].

E

Windows

- 1. Insert the memory card to the camcorder.**
- 2. Connect the Power Adapter to the camcorder.**
- 3. Connect the camcorder to the computer using the supplied USB cable (BK32).**
- 4. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.**
- 5. Double-click the [Canon ZoomBrowser EX] icon on the desktop.**
 - ZoomBrowser EX starts.
 - If you are using Windows Me or Windows XP, the first time ZoomBrowser EX starts, a confirmation message appears asking whether you wish to register the [My Pictures] folder in ZoomBrowser EX. Click [Yes] if you plan to use the My Pictures folder.

Canon ZoomBrowser EX Icon



Downloading Images to a Computer (ZoomBrowser EX)

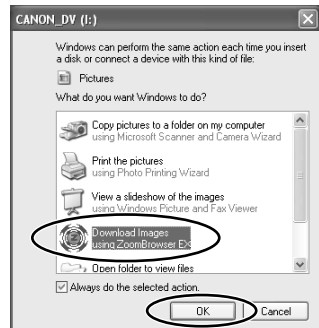
6. Click the [IMPORT IMAGES] button and select [From CANON_DV H:\Dcim...].

- Thumbnail versions of the camcorder images are displayed in the Camera Window.
- No image will be imported if you click [From Canon Camera]. Make sure you select [From CANON_DV H:\Dcim].
- The drive letter (e.g. "H:") varies depending on the computer you are using.
- If you cannot find [From CANON_DV H:\Dcim], quit ZoomBrowser EX and start it again.



Notes:

- When an enormous volume of still images/movies (such as 500 or more) is recorded onto one memory card, transferring them to a computer may take very long.
- When ZoomBrowser EX is installed under Windows XP, you can configure it to start up automatically any time the camcorder is connected to the computer.
 1. Select [Download Images using ZoomBrowser EX].
 2. Click [OK].
 - The Camera Window will appear on the display.

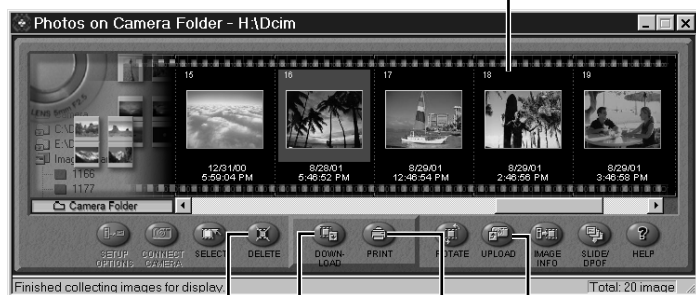


The ZoomBrowser EX Camera Window

The Camera Window opens when a connection to a camcorder is initiated. Still images/movies will be displayed as thumbnail (small) images. Buttons are activated when a still image is selected.

Thumbnail

The image is displayed reduced in size.



Delete Button

Delete selected images.

Download Button

Load the selected images onto the computer (📖 37).

Upload Button

Copy images from the computer onto the memory card (📖 48).

Print Button

Select the printing method: Layout or Index.

Notes:

About the other buttons

- [SELECT]: Selects or deselects all images.
- [ROTATE]: Rotates the image (90 degrees counterclockwise/90 degrees clockwise/180 degrees).
- [IMAGE INFO]: Displays the number of pixels and file size of the selected image.
- You cannot use the [SETUP OPTIONS] and [CONNECT CAMERA] functions.
- [SLIDE/DPOF]:
 - The SLIDE function (selecting a still image to be included in the slide show) cannot be used.
 - The DPOF index print and date/file name settings are not supported by the camcorder. Therefore, setting or erasing a print mark on the camcorder will cancel the index print and date/file name setting.
 - The [DPOF] setting in the ZoomBrowser EX allows marking up to 998 still images for printing.

Downloading Images to a Computer (ZoomBrowser EX)

The Browser Window

This section describes the various parts of the Browser Window and explains how to change the way the control panel is displayed.

Image Folder

An image folder is a folder (on your PC), which has been registered in ZoomBrowser EX for storing images.

Folder

A folder is a subfolder of an image folder that can be used to further classify images.

Tree View

This is the area in the Browser Window where folders registered as image folders are displayed.

The title bar displays the path (folder hierarchy) to the selected image folder or folder.

Browser Display Area

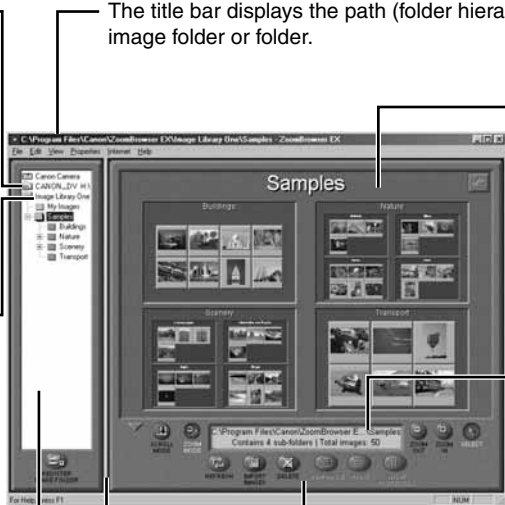
This is the area where thumbnails of the selected image folder and folders are displayed.

Message Area

This is the area where information about the selected image folder and folders is displayed.

Control Panel

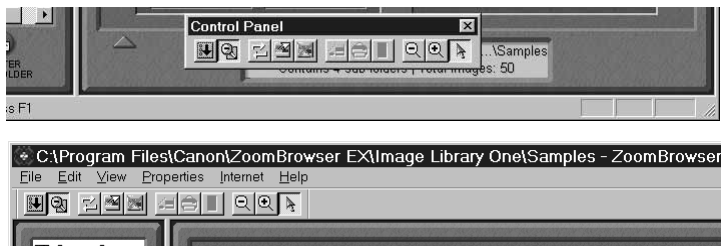
This area contains buttons that allow you to perform a variety of functions.



You can drag this line to change the position of the boundary between the Tree View and the Browser Display Area.

Changing the way the control panel is displayed

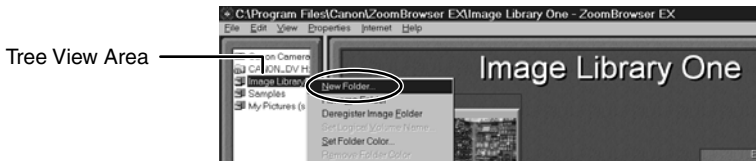
- Clicking the ▼ button displays the control panel as a floating toolbar. To return to the original state, click the ▲ button.
- Furthermore, while the control panel is displayed as a floating toolbar, you can place it under the menu or at the very bottom of the Browser Window.



Downloading and Saving Images from the Camcorder

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

- In the Tree View area, right-click the [Image Library One] folder, select [New Folder] from the pop-up menu and input a folder name. In this example, we will input "Travel." Click the [OK] button.

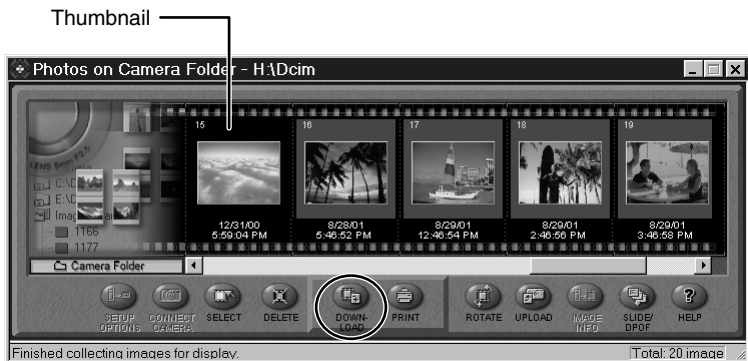


2. Click the new folder in the Tree View area.



3. Select the images you wish to download from the Camera Window and click the [Download] button.

- Click on thumbnails to select them. The color of the frame(s) around the thumbnail(s) you selected will change to be blue.
- To select multiple images, hold down the Shift key or Ctrl key while clicking.
- Downloaded images are saved to the computer disk and appear in the Browser Display Area.



Downloading Images to a Computer (ZoomBrowser EX)



Notes:

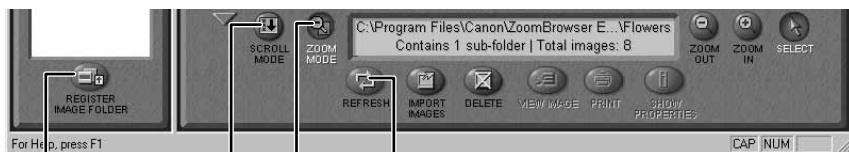
- The folder you created above normally appears within the [C:\Program Files\Canon\ZoomBrowser EX\Image Library One] folder. The downloaded image files are saved to the folder you created.
- You can also download images by dragging them from the Camera Window and dropping them on the Browser Display Area or Tree View area.
- The [My Camera] function on the ZoomBrowser EX [Edit] menu cannot be used (setting the start-up sound, start-up image etc from the computer).
- To disconnect the camcorder, click the close box **X** at the right of the Camera Window to close it.

ZoomBrowser EX Features

This topic introduces additional, convenient ZoomBrowser EX features (Zoom Mode/Scroll Mode/Registering a Folder as an Image Folder/Refreshing a Folder).

Using the ZoomBrowser EX Buttons

The bottom of the ZoomBrowser EX window contains the buttons that control various functions. This topic describes four of those buttons that are particularly convenient.



Scroll Mode Button

Switches to and from the scroll mode.

Refresh Button

Updates the folder contents.

Zoom Mode Button

Switches to and from the zoom mode.

Register Image Folder Button

Registers the selected folder as an Image Folder.

Switching the Display Mode

You can change between the Zoom and Scroll modes to suit your purposes when images are displayed in the Browser Display Area.



The images inside the sub-folders also display.



The images inside the sub-folders do not display.

Scroll Bar

■ Zoom Mode


When you create a folder within a folder, use this mode to display all the images inside the sub-folder too.

■ Scroll Mode

Use this mode to just display the images within one folder. When there are more images than can fit in the Browser Display Area, scroll bars appear on the right of the Browser Display Area. The sub-folders only appear as folder icons in this mode.

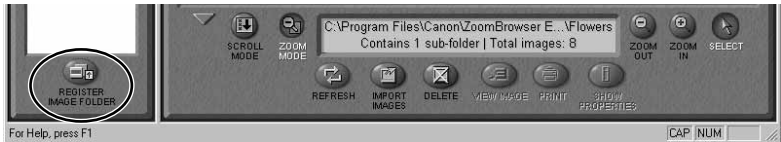
Downloading Images to a Computer (ZoomBrowser EX)

■ Registering a Folder as a Image Folder

Folders shown in the Tree View area with a  symbol are called Image Folder. ZoomBrowser EX only manages the images contained in these folders and the subfolders nestled within them.

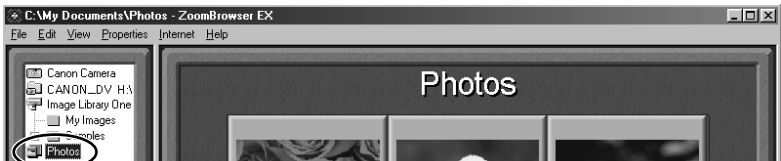
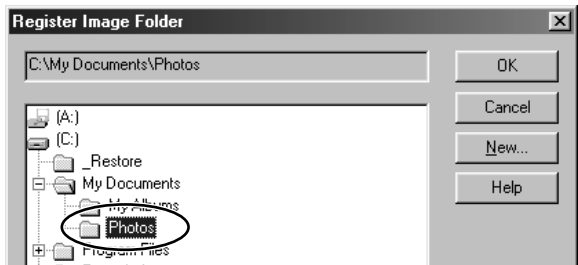
1. Click the [Register Image Folder] button.

- The Select Image Folder dialog will display.



2. Select the folder you wish to register and click the [OK] button.

- The folder is registered as an Image Folder.



■ Refreshing a Folder

Only image files that are added, copied or edited using ZoomBrowser EX will display correctly in a folder that is part of a ZoomBrowser EX image folder. If you move or copy image folders with the Windows Explorer program or edit images with another application, the information contained in ZoomBrowser EX will not be up-to-date. To update a folder, select it and click the [Refresh] button. This will refresh the images in the selected folder and any subfolders within it.

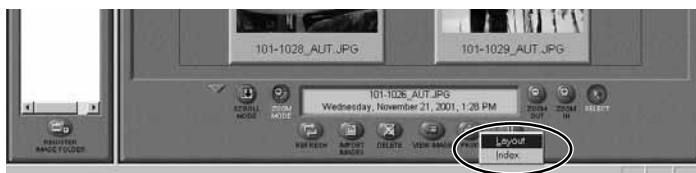


Note:

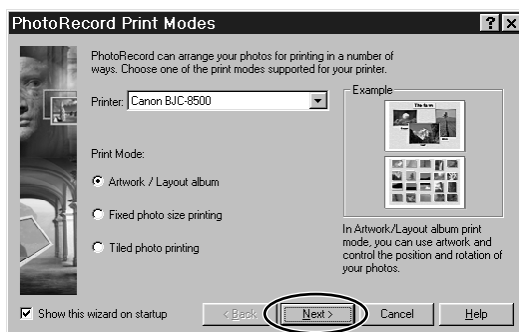
- For a more detailed explanation, please refer to the PDF manual, ZoomBrowser EX Software User Guide (📖 9) or the ZoomBrowser EX Help menu.

Printing Images (PhotoRecord)

1. Select the image(s) you wish to print in the Browser Display Area.
2. Click the [Print] button and select [Layout] from the displayed menu.
 - The PhotoRecord printing utility starts and the selected still image(s) will be displayed in a page layout.



3. Select a print mode and click [Next].
 - For the purposes of this example, please select [Artwork/Layout album].



4. In the next dialog, set the paper size and other settings and click [Next].
5. In the last dialog, set the fine settings and click [Finish].
 - The PhotoRecord window appears (📖 44).
 - If you wish to change the layout, set the printing settings in the PhotoRecord window.
6. Click the PhotoRecord [Print] button.
 - The Print dialog appears.

7. Click [OK] to start printing.



Notes:

- When you select the “Artwork/Layout album” option, you can resize or reposition images freely for printing. The other print modes allow you to do such things as tile the images for printing or arrange them for printing on Canon perforated paper. For more details, please refer to the PDF manual, “ZoomBrowser EX Software User Guide” (📖 9).
- When you click the [Print] button and select [Index] from the displayed menu, the Print Index dialog appears. Set the desired thumbnail size and paper size, then click [Print] to start printing the index.

Printing Images (PhotoRecord)

The PhotoRecord Window

The screenshot shows the PhotoRecord software window titled "Swiss Alps.alb - PhotoRecord". The window has a menu bar with "File", "Edit", "Album", "View", "Web", and "Help". The main area displays two pages of a photo album, both titled "Swiss Alps".

Page 1: Features a large landscape photo of a mountain range, a smaller photo of a person, and a text block. A vertical toolbar on the left has a downward arrow icon. A tab at the bottom of the page is labeled "Page 1".

Page 2: Features a large photo of a mountain peak, a smaller photo of a forest, and a text block. A tab at the bottom of the page is labeled "Page 2".

Control Panel (Bottom): Includes a "LAYOUT" section with "AUTO", "INDEX", "MANUAL", and "PHOTO SIZE" buttons. A "STOP FETCH" button is on the right. Below this are "PRINT MODES", "FETCH PHOTOS", "PAGE ART", "UNDO / REDO", and "PRINT" buttons. A "HELP" button is also present.

Callouts:

- Click these buttons to select a layout pattern for each page. Click the arrow ▼ to display a pop-up menu.
- Input titles or captions anywhere you wish.
- Drag still images to change the layout.
- Slide this tab to the left to shrink the image, right to expand it.
- Click this to stop importing still images.
- Switch between control panel sizes with this.
- Click this to display Help.
- Click this to set the printing mode or paper size.
- Click this to import still images.
- Click this to change the page background or borders.
- Click these buttons to undo or restore the previous action.

Merging Panoramic Images (PhotoStitch)

E

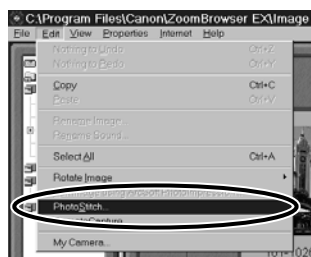
Windows

To Merge Images Registered in ZoomBrowser EX

You can merge a series of overlapping images into a single, seamless panorama.

Use of the camcorder's maximum wide angle setting is recommended when recording images for merging into a panorama.

1. Select the images in the Browser Display Area.
2. Click the [Edit] menu and select [PhotoStitch] to start the program.



3. Select [1.Selection and Arrangement] and then click [Arrange].

- Determine the sequence to be used for merging the images.
- Operational instructions are displayed in the upper section of the window.



Merging Panoramic Images (PhotoStitch)

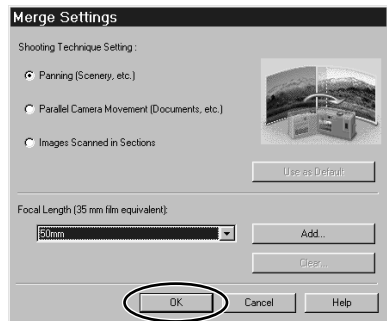
4. Select [2.Merge] and then click [Start].



1. Click [OK].



2. Select the shooting technique and the focal length in the [Merge Settings] screen.
 - If you recorded images using the maximum wide angle setting, select [50mm].
3. Click [OK].





5. Select [3.Save] and then click [Save].



Notes:

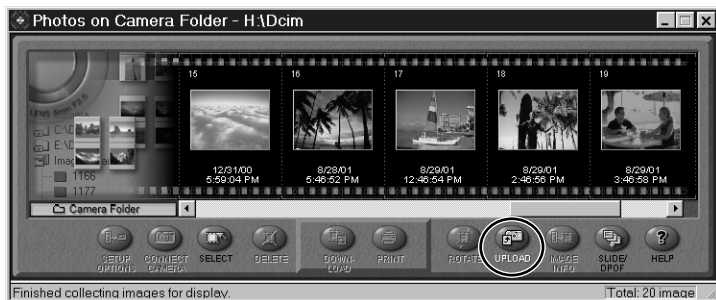
- You cannot use the Stitch Assist Mode.
- You can record the surroundings in 360 degrees, and stitch them together later to form a 360-degree cylinder. (In [1. Selection and Arrangement], select [Arrange] and [360 degrees].) By saving this stitched image in QuickTime VR format, you can then get a virtual view of the surroundings. For this, you need to have QuickTime installed on your computer. If it is not already installed, you can download it from the Apple Computer Website.
- Please refer to the PhotoStitch Help menu for more details.

Adding Still Images from Your Computer to the Memory Card

You can copy still images from your computer to the memory card.

1. On the Camera Window, click [UPLOAD].

- A window for selecting still images to be added appears.



2. Select the image file you wish to add and then click [Open].

- The [Save to Camera Folder] window appears on the display.

3. Select [Camera Model].

- Select the model name of the camcorder you are using.

4. Select the image size and click [Save to Camera Folder].

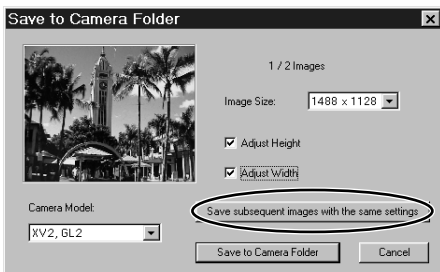
- [Adjust Height] and [Adjust Width] specify the standard for image enlargement and reduction.



Notes:

- Image enlargement and reduction are not performed when both [Adjust Height] and [Adjust Width] are deselected.
- When [Adjust Height] and [Adjust Width] are both selected, the aspect ratio of the image (the ratio between the height and width of the image) may change when the image is resized.
- JPEG, Windows bitmap, TIFF, PhotoCD, and Windows Metafile format images can be added to a memory card. Note, however, that an image becomes JPEG format when it is stored on the memory card.
- You can also add images to a memory card by using drag and drop to move the image from the browser area to the camera window.
- **To add multiple images**

Selecting multiple images in step 2 of the above procedure undims the [Save subsequent images with the same settings] button on the [Save to Camera Folder] window. Clicking this button makes it possible to add multiple images with a single setting operation.



Uninstalling the Software

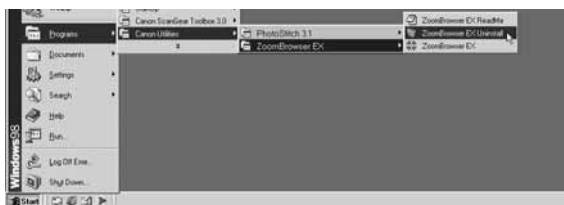
The following explanation uses the procedures for removing ZoomBrowser EX as an example for removing other programs as well.

When uninstalling the DVC Storage Driver, refer to: Windows 98 ([□ 15](#)), Windows Me ([□ 19](#)), Windows 2000 ([□ 24](#)), Windows XP ([□ 30](#)).

Uninstalling the ZoomBrowser EX

1. Click the Windows [Start] menu and select [Programs], [Canon Utilities], [ZoomBrowser EX] and [ZoomBrowser EX Uninstall].

- The uninstall utility starts and removes ZoomBrowser EX.



Notes:

- If you have uninstalled ZoomBrowser EX because of a corrupt database file or other problem, please also delete the Database folder, which can be found within the [C:\Program Files\Canon\ZoomBrowser EX] folder.
- PhotoRecord and PhotoStitch can be removed with the same procedures.

Troubleshooting

E

Windows

❓ Can't download images or camcorder is not recognized when the camcorder is connected via the USB interface.

→ Computer doesn't support the USB interface.

The USB interface is not supported for computers not in compliance with the following requirements. Acquire the necessary system to use the USB interface.

Requirements

- Built-in USB interface on a system preinstalled with one of Windows 98/Windows Me/Windows 2000/Windows XP.

→ [From Canon Camera] is selected on the browser window.

Change the selection to [From CANON_DV H:\Dcim. (The drive letter (e.g. "H:") varies depending on the computer you are using.)

→ There is no memory card in the camcorder.

Insert a memory card into the camcorder.

→ The camcorder is not set to the correct mode.

Slide the POWER switch to PLAY (VCR) and the TAPE/CARD switch to CARD.

→ Camcorder is not correctly connected to the computer.

Read "Connecting the Camcorder to a Computer" (32) and check the connection.

Ensure that you are using the correct cable and that its connectors are in good shape.

→ If you are experiencing operational problems, detach the USB cable from the camcorder and computer and terminate the connection. Restart the computer and then reconnect the camcorder.

→ DVC Storage Driver is not installed properly.

First uninstall the DVC Storage Driver and then reinstall it. To learn how to uninstall it, see "Uninstalling the DVC Storage Driver". To learn how to install it, see "Installing the DVC Storage Driver".

❓ Can't install the DVC Storage Driver correctly.

First, Check the Following

→ Does the system have a built-in USB port and did it come with Windows 98 (First or Second Edition), Windows Me, Windows 2000, or Windows XP preinstalled?

(The USB interface is not supported for systems not complying with the above conditions.)

→ Is the camcorder correctly connected to the computer?

→ Are you using the AC power adapter to power the camcorder?

• If the Problem Is Not Mentioned Above

If the DVC Storage Driver has not correctly installed, Windows may not recognize the DVC Storage Driver. Uninstall the DVC Storage Driver according to the instructions and reinstall the DVC Storage Driver.

Troubleshooting

- ❗ **ZoomBrowser EX displays a database file related error message (E_Fail error, etc.)**
 - **ZoomBrowser EX database file may be corrupted.**

Please restore the database using the procedures described in the “Troubleshooting” section of the PDF manual, ZoomBrowser EX Software User Guide. You can display the ZoomBrowser Software User Guide from the installer panel of the Canon Digital Video Solution Disk.
- ❗ **Images in the [My Images] folder, or the [Image Library One] folder are not displayed after I installed a new version of ZoomBrowser EX.**
 - **On the browser window, select [Refresh Online Registered Folders] from the [View] menu.**

Macintosh System Requirements

E

Computer Model:	Power Macintosh, PowerBook, iMac, iBook
OS:	Mac OS 8.6-9.2, Mac OS X (10.1)
CPU:	PowerPC
RAM:	Mac OS 8.6-9.2: 20 MB or more of application memory Mac OS X (Version 10.1): 128 MB or more of RAM
Interface:	USB: only systems equipped with genuine Apple-brand built-in USB interfaces
Free Hard Disk Space:	• Canon Utilities - ImageBrowser 20 MB or more - PhotoStitch 30 MB or more
Display:	800 × 600 pixels/256 colors or better, 1,024 × 768 pixels/32,000 colors or better is recommended



Notes:

- Proper operation is not guaranteed on a dual CPU PC or on a user-built PC.
- Proper operation is not guaranteed for all computers that meet the above requirements.
- A CD-ROM drive is required to install the software.
- 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.

What Can Be Accomplished with the Software

This topic introduces the main features of the software programs contained on the CD-ROMs.

■ DVC Storage Driver (56)

- Driver software required for connecting the camcorder to your PC using a USB cable. Makes it possible to use the camcorder as a memory card reader/writer.

■ ImageBrowser (59)

- Downloading Still Images from a Memory Card to your Computer.
- Categorizing and Organizing Large Volumes of Images*.
- Searching and Organizing Images Chronologically*.
- Creating Mail Attachments from Images*.
- Laying Out and Printing Images.
- Printing Indexes.

■ PhotoStitch (67)

- Merging Panoramic Images.

*: For instructions on these features, refer to the ImageBrowser Software User Guide.

How to view the ImageBrowser Software User Guide



In order to view the ImageBrowser Software User Guide, it is required that Adobe Acrobat Reader is installed on your computer. If it is not, install it according to "How to install Adobe Acrobat Reader" below.

1. Place the Canon Digital Video Solution Disk in the CD-ROM drive.
 2. Double-click the CD-ROM icon followed by the [Canon Digital Video Installer] icon.
The installer panel will be displayed.
 3. In the installer panel, click [Using the Software] and [ImageBrowser].
The guide will be displayed.
- You can also display it by opening the [Readme] and [English] folders on the CD-ROM and double-clicking [IB_guide.pdf].

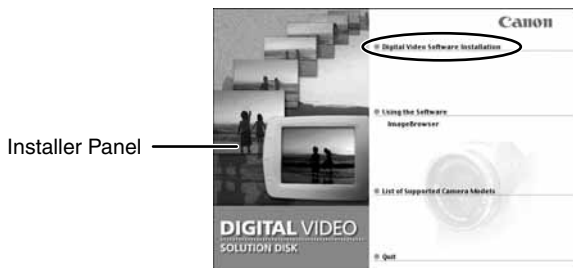
How to install Adobe Acrobat Reader

1. Place the Canon Digital Video Solution Disk in the computer's CD-ROM drive.
 2. Open the [Readme], [Acrobat_English] folder.
 3. Double-click the [Reader Installer] file to start the installer.
- Follow the onscreen instructions to install Adobe Acrobat Reader.

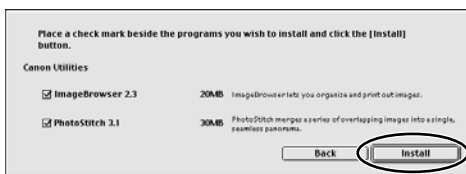
Installing from the Canon DIGITAL VIDEO SOLUTION DISK

E

1. Close any programs that are running.
2. Set the Canon DIGITAL VIDEO SOLUTION DISK in the computer's CD-ROM drive.
3. **Mac OS 8.6-9.2**: Double click the CD-ROM icon, followed by the [Mac OS 8/9] and [Canon Digital Video Installer] icons.
Mac OS X (10.1): Double click the CD-ROM icon, followed by the [Mac OS X] and [Canon Digital Video Installer] icons.
 - The installer panel appears.
4. Click [Digital Video Software Installation].



5. Click the [Install] button.
 - The installation will start.
 - Follow the onscreen messages to proceed with the installation.




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

If you are using Mac OS 8.6: Next, install the DVC Storage Driver. Do not remove the CD-ROM from the computer's drive.

Installing the DVC Storage Driver

This driver is designed for use with Mac OS8.6. For Mac OS 9 or higher, you should use the standard USB driver software that comes with the OS, without installing this driver.

- 1. Connect the Power Adapter to the camcorder.**
- 2. Connect the camcorder to the computer using the supplied USB cable ( 57).**
- 3. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.**
- 4. Double-click the CD-ROM drive icon, followed by the [Mac OS 8/9] folder.**
- 5. In [DVC Storage Driver], open the folder with the name that matches the name of your camcorder.**
- 6. Use drag and drop to move the two files inside the folder into the [Extensions] folder, which is located inside the [System Folder] folder on your hard disk.**
 - The names of these files are [DVx-USB Storage Driver] and [DVx-USB Storage Shim] (x stands for either 'G' or 'H').
- 7. Restart your computer.**
 - The [CANON_DV] icon or the corresponding drive icon will be displayed on your desktop.

Connecting the Camcorder to a Computer

E

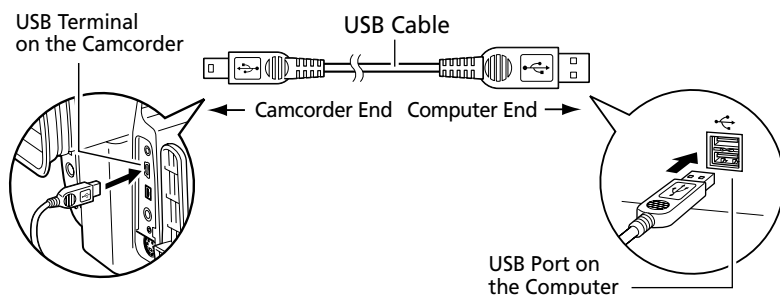
Connecting to a USB Port

Connection Precautions

- Make sure the camcorder is being powered using the compact power adapter before connecting it to a computer.
- Be sure to install the DIGITAL VIDEO SOLUTION DISK before you connect the camcorder to the computer.
- Connect the camcorder directly to a USB port on the computer; not through a hub. The connection may not operate correctly through a 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. If it does happen, never disconnect the USB cable. Try to awaken the computer with the camcorder in the connected state. Some computers will not awaken properly if you disconnect the camcorder while they are in standby mode. Please refer to your computer manual for instructions regarding its standby mode.**

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

- You do not need to turn off the computer for this procedure.
- Refer to your computer manual for the location of the computer's USB ports.
- See your camcorder instruction manual for connecting instructions.



Connecting the Camcorder to a Computer

Disconnecting the Camcorder From the Computer

- 1. On the desktop, drag [Canon_DV] or the corresponding drive icon into the Trash.**
- 2. Turn off the camcorder and detach the USB cable.**
 - To detach the cable, always hold the connector by its sides to pull it out.
 - Turn off the camcorder before inserting/removing the memory card.

Downloading Images to a Computer (ImageBrowser)



- 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 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.
- Format the memory card with the camcorder.
- Still 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.

E

- 1. Insert the memory card to the camcorder.**
- 2. Connect the Power Adapter to the camcorder.**
- 3. Connect the camcorder to the computer using the supplied USB cable (57).**
- 4. Slide the POWER switch to PLAY(VCR) and the TAPE/CARD switch to CARD.**
 - The [CANON_DV] icon or the corresponding drive icon appears on the display.
 - Mac X (10.1): If a dialog appears, click the red close box.
- 5. 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.

Canon ImageBrowser Icon



- 6. Double-click the [DCIM] folder in the Explorer View Section.**
 - No image will be imported if you click [Canon Camera]. Make sure you select [DCIM].
 - The images from the memory card appear as thumbnails in the Camera Window (60).

Explorer View Section

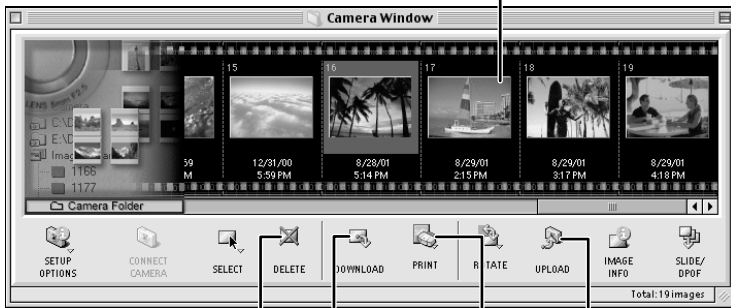


Downloading Images to a Computer (ImageBrowser)

The ImageBrowser Camera Window

The Camera Window opens when a connection to a camcorder is initiated. Still images will be displayed as thumbnail (small) images. Buttons are activated when a still image is selected.

Thumbnail
The image is displayed reduced in size.



Delete Button
Delete selected images.

Download Button
Load the selected images onto the computer (📖 62).

Upload Button
Copy images from the computer onto the memory card (📖 70).

Print Layout Button
Select the printing method: Layout or Index.

Notes:

About the other buttons

- [SELECT]: Selects or deselects all images.
- [ROTATE]: Rotates the image (90 degrees counterclockwise/90 degrees clockwise/180 degrees).
- [IMAGE INFO]: Displays the number of pixels and file size of the selected image.
- You cannot use the [SETUP OPTIONS] and [CONNECT CAMERA] functions.
- [SLIDE/DPOF]:
 - The SLIDE function (selecting a still image to be included in the slide show) cannot be used.
 - The DPOF index print and date/file name settings are not supported by the camcorder. Therefore, setting or erasing a print mark on the camcorder will cancel the index print and date/file name setting.
 - The [DPOF] setting in the ImageBrowser allows marking up to 998 still images for printing.

Mac OS X (10.1): Be careful when erasing images in the ImageBrowser Camera Window. Even images you protected with the camcorder will be erased permanently.

The Browser Window

This section describes the various parts of the Browser Window display.

Explorer View Section

Displays the disks and folders that you can use on your computer. If you click the disclosure triangle on the left edge of the display, you can switch between collapsing and expanding the contents of that folder.

Browser Area

This is the area where thumbnails of images in the selected folder are displayed.

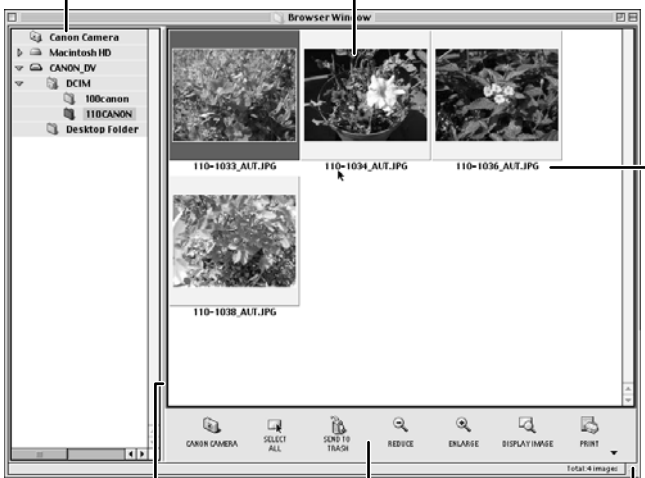


Image Name

This is where the file name of each individual image is displayed.

You can drag this line to change the position of the boundary between the Explorer View Section and the Browser Area.

Control Panel

This area contains buttons that allow you to perform a variety of functions.

You can drag this part of the frame to change the size of the Browser Window.

Downloading Images to a Computer (ImageBrowser)

Downloading and Saving Images from the Camcorder

When using the ImageBrowser's Camera Window to download images from the camcorder's memory card, make sure to select [Macintosh HD]. The image will not be saved to the computer when [DCIM] is selected. Follow the instructions below.

- 1. Mac OS 8.6-9.2:** Select [Macintosh HD] in the explorer view section.

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

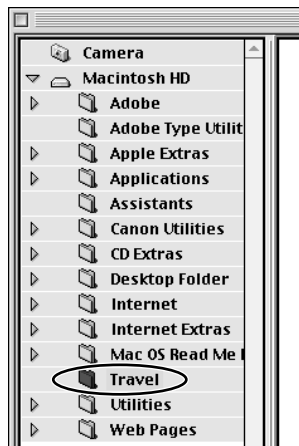


- 2. Create a new folder for saving images from the memory card in the camcorder.**

- 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 "Travel."

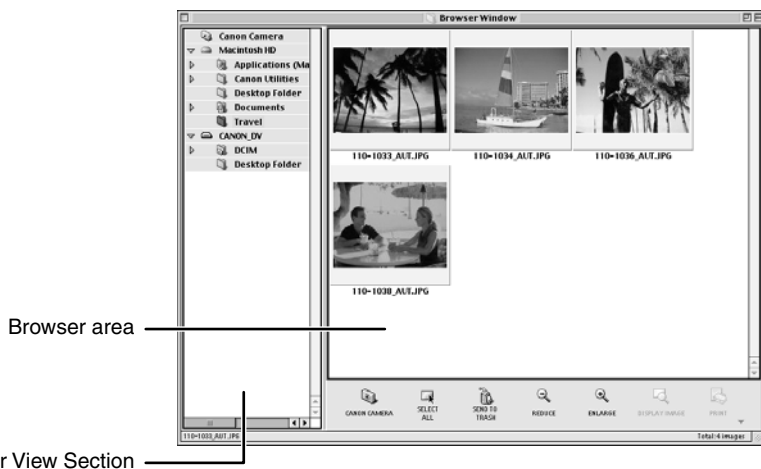
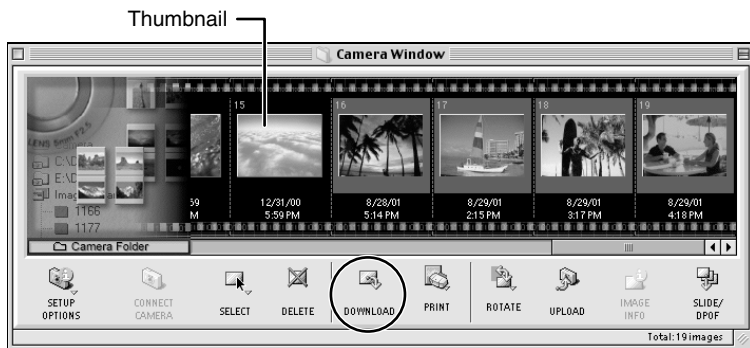


- 3. In the Explorer View Section, click the newly created folder.**



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

- Click a thumbnail to select it or press [Shift] and click to select multiple thumbnails. The color of the frame(s) around the thumbnail(s) you selected will change to blue.
- Downloaded images are saved to the computer and appear in the Browser area.



To disconnect the camcorder, click the close box (Mac OS 8.6-9.2) or the red close box (Mac OS X (10.1)) at the upper left of the Camera Window. The Camera Window will close.

Downloading Images to a Computer (ImageBrowser)



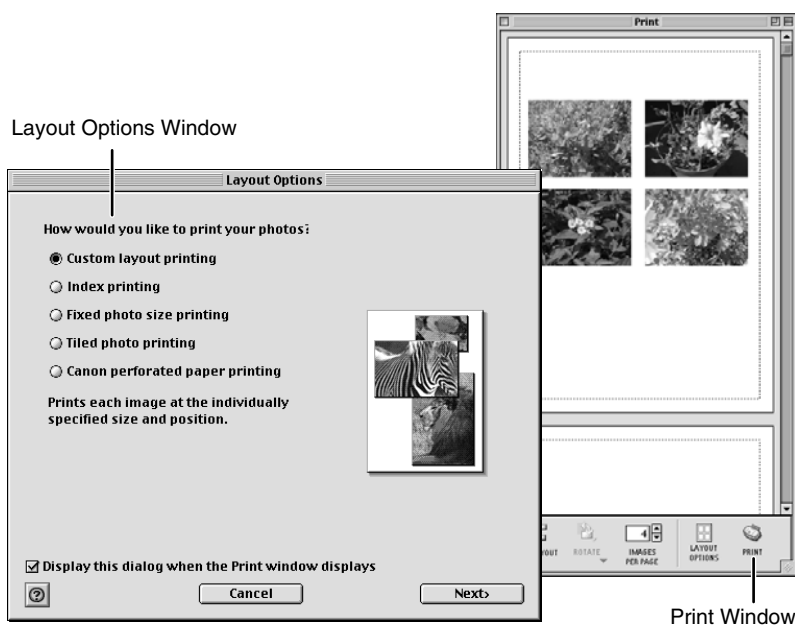
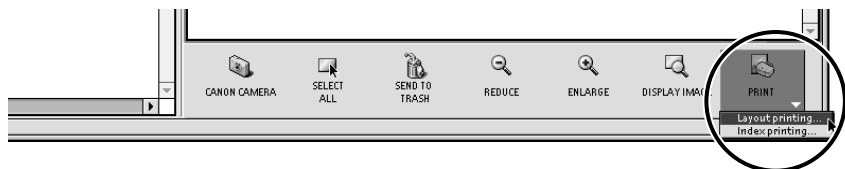
Notes:

- Double-clicking an image on the Camera Window imports the image 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.
- You can select multiple images by holding down [Shift] or [Option] + [Shift] while clicking.

Printing Images (ImageBrowser)

E

1. Select the image(s) you wish to print in the Browser Window.
2. Click the [Print] button and select [Layout Printing] from the displayed menu.



Macintosh

3. In the Layout Options window, select the desired layout and click the [Next] button.
 - Select the [Custom layout printing] option for the purposes of this example.
4. In the next window, select a paper size and click the [OK] button.
 - The Layout Options window closes and the Print window opens, allowing you to change the layout and printing settings.
 - The settings available in Step 4 will vary according to the type of layout selected in Step 3.


Printing Images (ImageBrowser)

5. Click the [Print] button in the Print window.

- The Print dialog appears.

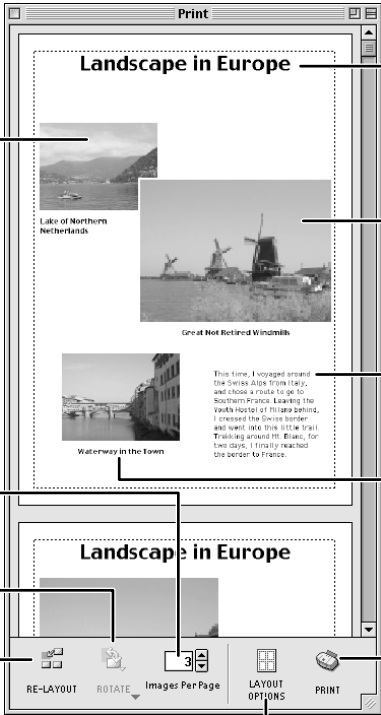
6. Click [OK] to start printing.

Note:

- The Custom Layout printing option in the Layout Options window allows you to freely change the size and position of the images for printing. The other options allow you to print an index or print onto Canon perforated paper. For more details on the Layout Options window, please refer to the PDF manual, ImageBrowser Software Guide ( 54).

The Print Window

When the Custom layout printing option is selected in the Layout Options window, you can freely change the size and position of the images for printing.



Change the Image Size
Drag the border to resize the image.

Edit the Page Title
Open the [Edit] menu and select [Edit Header].

Change the Layout
Drag the images to change the layout.

Add Text
Open the [Edit] menu and select [Add Text].

Add Captions to Images
Click the image and then the [Edit] menu and select [Edit Caption].

Change the default number of images printed per page.

Click this to rotate the selected still image.

Click this to reset the layout.

Click this to display the Print dialog.

Click this to select a layout type.

The screenshot shows a 'Print' window with a preview of a page titled 'Landscape in Europe'. The preview contains three images: 'Lake of Northern Netherlands', 'Great Not Retired Windmills', and 'Waterway in the Town'. A text block is also present. Below the preview is a control panel with buttons for 'RE-LAYOUT', 'ROTATE', 'Images Per Page' (set to 3), 'LAYOUT OPTIONS', and 'PRINT'. Lines connect these controls to the descriptive text blocks.

Merging Panoramic Images (PhotoStitch)

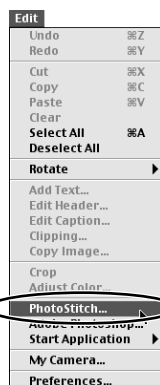
E

To Merge Images Registered in ImageBrowser

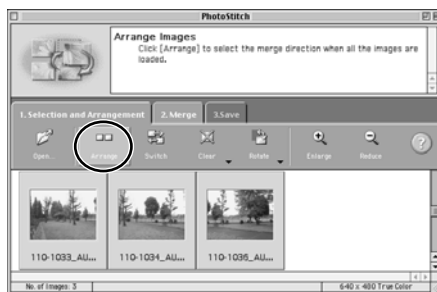
You can merge a series of overlapping images into a single, seamless panorama.

- Use of the camcorder's maximum wide angle setting is recommended when recording images for merging into a panorama.

1. Select the images in the Browser Window.
2. Click the [Edit] menu and select [PhotoStitch] to start the program.



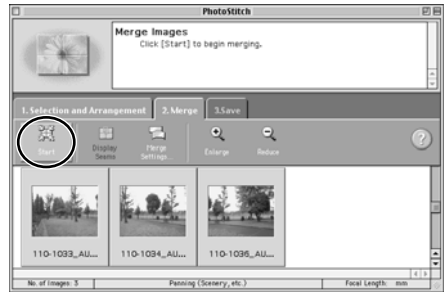
3. Select [1.Selection and Arrangement] and then click [Arrange].
 - Determine the sequence to be used for merging the images.
 - Operational instructions are displayed in the upper section of the window.



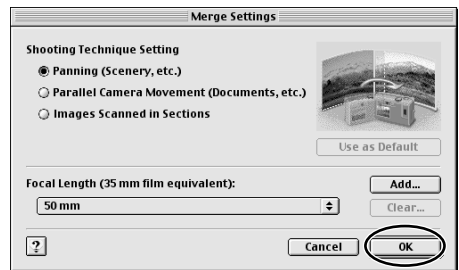
Merging Panoramic Images with PhotoStitch

4. Select [2.Merge] and then click [Start].

1. Click [OK].



2. Select the shooting technique setting and the focal length in the [Merge Settings] screen.
 - If you recorded images using the maximum wide angle setting, select [50mm].
3. Click [OK].



5. Select [3.Save] and then click [Save...].



Notes:

- You cannot use the Stitch Assist Mode.
- You can record the surroundings in 360 degrees, and stitch them together later to form a 360-degree cylinder. (In [1. Selection and Arrangement], select [Arrange] and [360 degrees].) By saving this stitched image in QuickTime VR format, you can then get a virtual view of the surroundings.
- For more details, please refer to the PDF manual, "ImageBrowser Software User Guide" or the PhotoStitch Help menu.

Adding Still Images from Your Computer to the Memory Card

You can copy still images from your computer to the memory card.

1. On the camera window, click [UPLOAD].

- A window for selecting images to be added appears.



2. Select the image file you want to add and then click [Open].

- The [Save to Camera] window appears on the display.

3. Select [Camera model].

- Select the model name of the camcorder you are using.

4. Select the image size and then click [Save to Camera].

- [Large] corresponds to 1488 x 1128 and [Small] to 640 x 480.
- [Adjust Height] and [Adjust Width] specify the standard for image enlargement and reduction.



Notes:

- Image enlargement and reduction are not performed when both [Adjust Height] and [Adjust Width] are deselected.
- When [Adjust Height] and [Adjust Width] are both selected, the aspect ratio of the image (the ratio between the height and width of the image) may change when the image is resized.
- JPEG, TIFF, PICT, and Windows bitmap format images can be added to a memory card. Note, however, that an image becomes JPEG format when it is stored on the memory card.
- You can also add images to a memory card by using drag and drop to move the image from the browser area to the Camera Window.
- **To add multiple images**

Selecting multiple images in step 2 of the above procedure undims the [Save subsequent images with the same settings] button on the [Save to Camera] window. Clicking this button makes it possible to add multiple images with a single setting operation.



Uninstalling the Software

Uninstalling Application Programs

Move the program's folder into the Trash to uninstall programs such as ImageBrowser and PhotoStitch.



Note:

- If the program folders contain subfolders into which images have been saved, be careful not to accidentally delete those subfolders.

Troubleshooting

E

This topic explains some of the causes for and solutions to problems with the software.

❏ **Can't download images, camcorder is not recognized when the camcorder is connected via the USB interface.**

→ **Computer doesn't support the USB interface.**

The USB interface is not supported for computers not in compliance with the following requirements. Acquire the necessary system to use the USB interface.

Requirements

- Genuine Apple Computer brand computer with a built-in USB interface.

→ **[Canon Camera] is selected on the Explorer view section.**

Change the selection to [DCIM].

→ **There is no memory card in the camcorder.**

Insert a memory card into the camcorder.

→ **The camcorder is not set to the correct mode.**

Slide the POWER switch to PLAY (VCR) and the TAPE/CARD switch to CARD.

→ **Camcorder is not correctly connected to the computer.**

Read "Connecting the Camcorder to a Computer" (57) and check the connection.

Ensure that you are using the correct cable and that its connectors are in good shape.

→ **If you are experiencing operational problems, detach the USB cable from the camcorder and computer and terminate the connection. Restart the computer and then reconnect the camcorder.**

→ **If you are running Mac OS8.6, check to make sure the following two files are contained in the [Extensions] folder, which is located in the [System Folder].**

- DVx-USB Storage Driver
 - DVx-USB Storage Shim
- 'x' stands for either 'G' or 'H'.



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