

Digital Video Software Windows

Version 28

Instruction Manual





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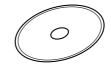
Safety Precautions

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.

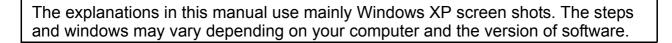
Checking Supplied Accessories

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

 Supplied USB cable The cable supplied with your camcorder may be different from the one described in this manual.



DIGITAL VIDEO Solution Disk



Install the software on a computer meeting the following minimum requirements.

OS:	 Windows Vista Windows XP (Service Pack 2) Windows 2000 (Service Pack 4) * 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 Vista: Pentium 1.3 GHz or better Windows XP/Windows 2000: Pentium 500 MHz or better
RAM:	Windows Vista: 512 MB or more Windows XP/Windows 2000: 256 MB or more
Interface:	USB: only preinstalled Windows Vista/Windows XP/ Windows 2000 systems with built-in USB ports
Free Hard Disk Space:	 Canon Utilities ZoomBrowser EX: 200 MB or more Canon DV TWAIN Driver: 25 MB or more
Display:	1024 \times 768 pixels or better/High Color (16 bit) or better



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.

o A CD-ROM drive is required to install the software.

In this Instruction Manual, product names are abbreviated as follows:

Microsoft Windows Vista:	Windows Vista
Microsoft Windows XP (Service Pack 2):	Windows XP
Microsoft Windows 2000 (Service Pack 4)	: Windows 2000

What is Digital Video Software?

Digital Video Software allows you to download still images you recorded with the camcorder to a computer and manage, print, and edit them.

ZoomBrowser EX

- Viewing still images as thumbnails
- · Managing by shooting date folders with still images
- · Categorizing, organizing, and searching large volumes of still images
- Printing still images
- Editing still images
- · Changing the data for still images and save them as new files
- · Attaching still images to e-mail
- Viewing still images in a slide show
- · Adding sound to a still image

CameraWindow

- Downloading still images from a memory card to your computer
- · Viewing still images recorded on a memory card
- Printing still images recorded on a memory card without downloading the still images to the computer

TWAIN Driver (Windows 2000 only)

• Driver software that enables you to download still images from a memory card to a computer.

This instruction manual explains how to install the software, what you can do with the main features and how to operate them. For more detailed operational instructions, refer to the Help menu of each software program.



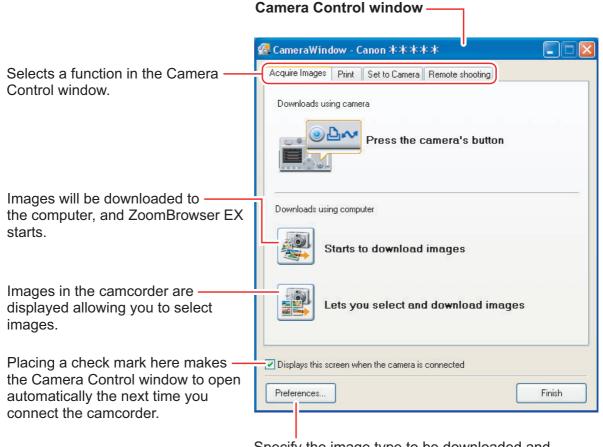
Your camcorder may not support some features of the software.

CameraWindow

After you connect the camcorder to your computer, you can use CameraWindow to download still images on the memory card to the computer. Furthermore, you can print still images recorded on the memory card without having the images downloaded to the computer (\bigcirc 42), and you can confirm and change the owner's name of the camcorder you specify (\bigcirc 85). Refer to *When Connecting the Camcorder to a Computer* (\bigcirc 28) for launching the software. The Remote capture function is not supported by the camcorder.

[Acquire Images] Tab

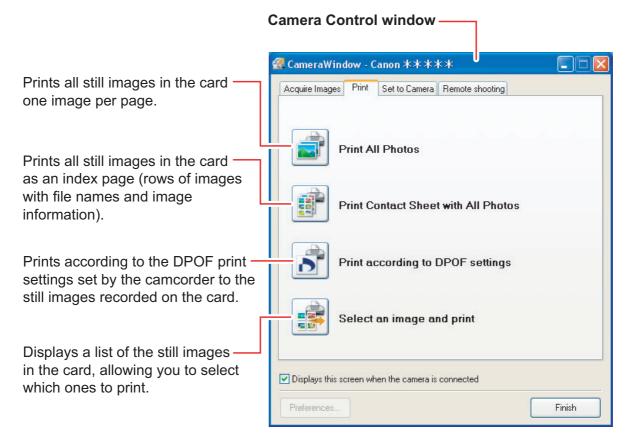
After you connect the camcorder to your computer, use this tab to download still images on the memory card to the computer.



Specify the image type to be downloaded and the destination folder.

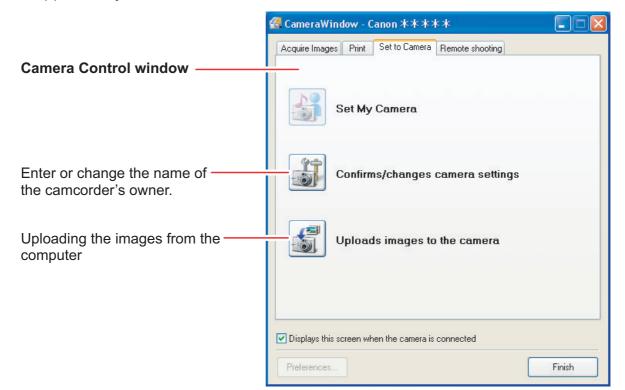
[Print] Tab

After connecting the camcorder to your computer, use this tab to print still images on the memory card without downloading them to the computer first. The window varies depending on the selected printing type. Refer to *Printing Still Images Recorded on the Memory Card* (\square 42).



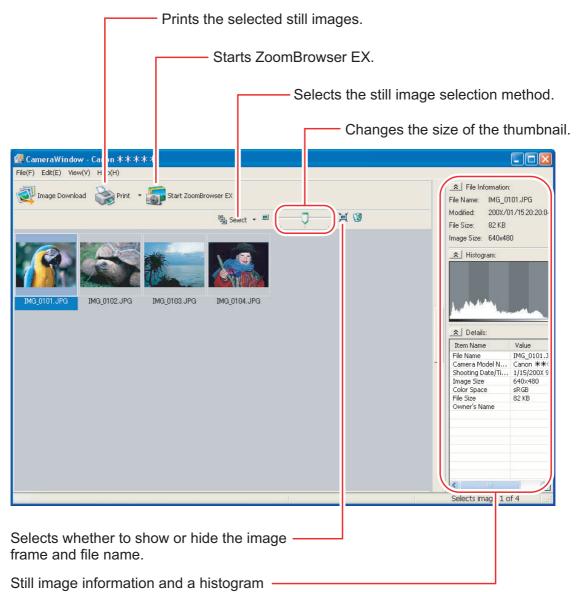
[Set to Camera] Tab

This tab is used for confirming and changing the owner's name of the camcorder you can specify (\square 85) and uploading the still images to the card. My Camera function is not supported by the camcorder.



Selecting [Manage My Camera] from the [Edit] menu displays the [My Camera] window. If you click [Creating My Camera data] in the [My Camera] window, [My Camera Maker] will be launched. [My Camera Maker] is a program that enables you to create and import My Camera contents (start-up images, start-up sound, shutter sound, operation sound and self timer sound) to camcorders that support this function. Your camcorder does not support the My Camera function.

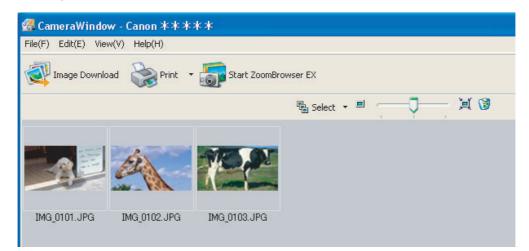
Camera Browser Window



(This will not be displayed when using a card reader/writer.)



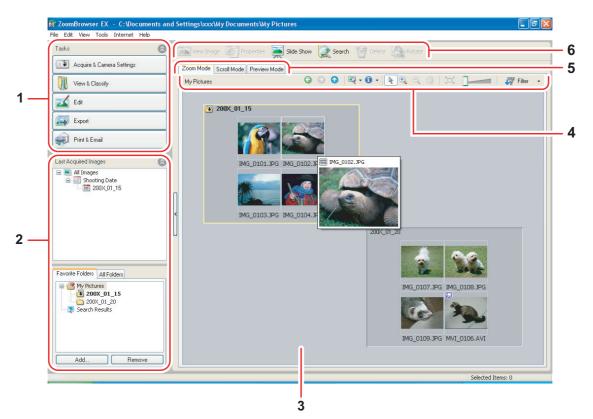
If your camcorder supports wide size still image (16:9 such as 1920 x 1080 pixels) recording, the thumbnails that appear in this window will be also 16:9 images. The sample images used on this instruction manual are normal size still images (4:3).



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Main Window

ZoomBrowser EX is a software program used for organizing, printing and editing the downloaded still images. If you wish to start ZoomBrowser EX without connecting the camcorder or card reader/writer, double-click the for a card reader/write



1 Task Area

[Acquire & Camera Settings]: Use this to display the Camera Control window to download still images, to print still images without having them downloaded to the computer and to configure the camcorder settings. [View & Classify]: Use this to view and organize still images. [Edit]: Use this to edit still images. Use this to change the data for still images and [Export]: save them as new files, extract still images from movies, back up to CD-R/RW (Windows Vista/ Windows XP), or export shooting properties to a text file. [Print & Email]: After you download still images to a computer, use this to print them or to attach them to e-mail messages.

2 Folders Area

You can select a folder to be displayed in the Browser Area. In the [Last Acquired Images] panel, the newly downloaded still images are placed into virtual folders classified by recording date. In the panel below, the folders where the downloaded still images are actually saved in are displayed. Selecting the [Favorite Folders] tab shows only the folders that are registered as favorites. The [All Folders] tab shows all available folders. Images are indicates that newly downloaded still images are in the folder. To register folders as Favorites, follow the instructions below.

When the [Favorite Folders] tab is selected:

Click [Add] and select a folder.

When the [All Folders] tab is selected:

Select a folder and click [Add to Favorites].

To remove the registered folder, select the folder, and click [Remove].

3 Browser Area

This area displays the images contained in the selected folder. If you place the cursor over a thumbnail in the browser area, [-3] will be displayed at the upper right corner. Clicking [-3] skips over folders to zoom in directly on the intended folder.



- Clicking on 2 images while holding down the [Shift] key selects also all images between the 2 images.
- Clicking on different images while holding down the [Ctrl] key selects multiple images.

4 Image display control panel

The menu items vary depending on the View Mode.

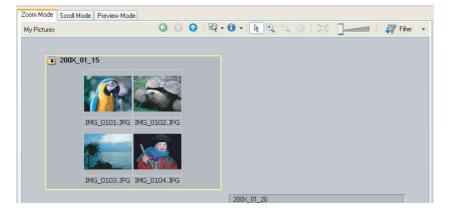


1	Previous/Next	Displays the previous/next image in the current folder.
2	Up	Displays the folder in the upper tiers of the hierarchy.
3	Select	Allows you to select all images and deselects images.
4	Information	Allows you to select the information to be shown. You can also hide the pop-up window by clearing the check box. The pop-up window appears when you move the pointer over a thumbnail.
5	Pan	Changes the area displayed when you zoom in on a folder or image in the Browser Area and drags the thumbnail list.
6	Restore Display Size	Changes the size of the thumbnail list to fit the window.
7	Zoom Slider	Enlarges/Reduces the thumbnails in the Browser Area.
8	Filter	Allows you to select which still images to display according to the star rating. When you download the images, the star rating is set to two stars as a default. To change the star rating, refer to <i>Applying Star Ratings and Keywords</i> (11 51).

5 View Mode

You can select the view mode of images in the Browser Area.

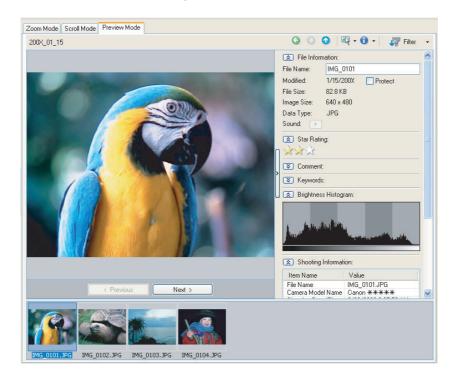
[Zoom Mode]: The images in the selected folder are shown as thumbnails.



[Scroll Mode]: Double clicking a folder shows thumbnails of the still images inside.



[Preview Mode]: Double clicking the folders at the bottom of the window opens the folder and shows a large still image in the folder along with detailed information. You can change file name and comments. To display another image, click [Previous]/[Next] or select an image shown at the bottom of the window.



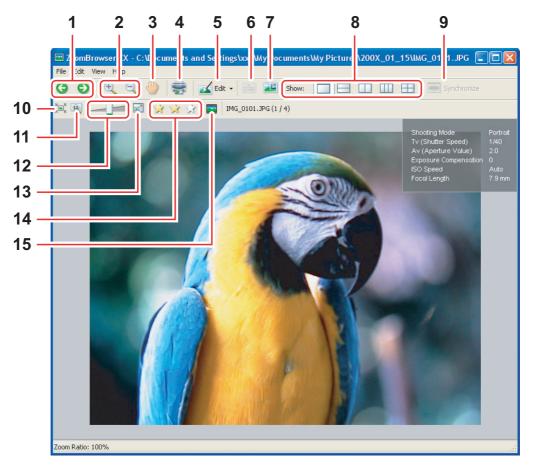
6 Command buttons



1	View Image	Displays a selected image in the [Image Viewer] window.	
2	Properties	Displays properties of the selected still image. When you select a different image while the [Properties] window is open, the information switches to the one of the selected image. The [Properties] window cannot be displayed in [Preview Mode].	
		SP Properties File Size: File Name: MG_DI01 Sub Rating: Sub Rating: Sub Rating: Sub Rating: Sub Rating: Sub Rating: Sub Rating: Sub Rating: Sub Rating: Sub Rating:	
3	Slide Show	Displays still images in a slide show.	
4	Search	Allows you to search for images (1 56).	
5	Delete	Deletes selected images.	
6	Rotate	Rotates selected still images. A movie cannot be rotated.	

[Image Viewer] Window

The [Image Viewer] window appears when you select an image and click [View Image] or double-click an image.



1	Previous/Next	Displays the previous/next image in the current folder.
2	Zoom In/Zoom Out	Enlarges/Reduces a still image.
3	Pan	When the image is larger than the window, you can move the image in the desired direction.
4	Print	Prints the selected still image. Refer to [Photo Print] (11 47).
5	Edit	Allows you to perform the following operations: red-eye correction, auto correct, color and brightness correction, sharpness adjustment, trimming, inserting text, or registering external image editing applications.
6	Auto Focus Frame	This function cannot be used for the images recorded by the camcorder.
7	Shooting Information	The shooting information of the image will be displayed.
8	Show	Allows you to display multiple images at the same time.
9	Synchronize	Synchronizes the View functions across all displayed images.

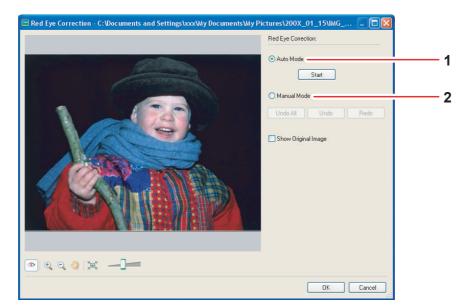
10	Fit to Window	Matches the image size to the size of the Image Viewer Window.
11	Restore	Restores the standard display size.
12	Zoom Slider	Allows you to enlarge/reduce the displayed image.
13	Show Image Full Screen	Displays an image in full screen size.
14	Change the Star Rating	Allows you to change the star rating.
15	Capturing Frames	Extracts still images from movies. (Windows Vista/Windows XP)



Windows Vista: The star rating set using ZoomBrowser EX is not related to the "Rating" setting in Windows Photo Gallery and Windows Explorer.

■ [Red Eye Correction] Window

Select [Red Eye Correction] from the [Edit] menu, or click the select icon and select [Red Eye Correction]. Use this to correct still images in which people's eyes appear red.



1	Auto Mode	Clicking [Start] corrects the red eye effect automatically.
2	Manual Mode	Point the cursor on a red eye so that the area is highlighted green, and click the mouse button.

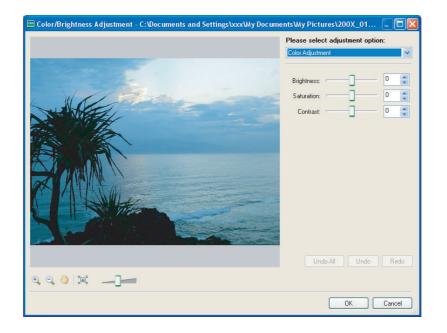
■ [Auto Adjustment] Window

Select [Auto Adjustment] from the [Edit] menu, or click the sile icon and select [Auto Adjustment]. Use this to automatically correct the color balance of the still image.



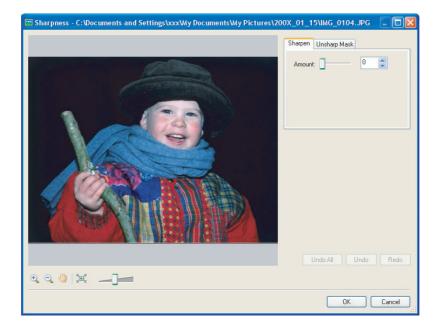
[Color/Brightness Adjustment] Window

Select [Color/Brightness Adjustment] from the [Edit] menu, or click the sice icon and select [Color/Brightness Adjustment]. Use this to adjust the brightness, saturation, contrast, intensity levels, tone curve and RGB of the still image.



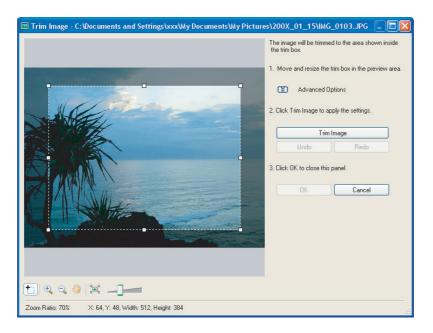
[Sharpness] Window

Select [Sharpness] from the [Edit] menu, or click the signal icon and select [Sharpness]. Use this to emphasize and clarify the outlines of people and objects.



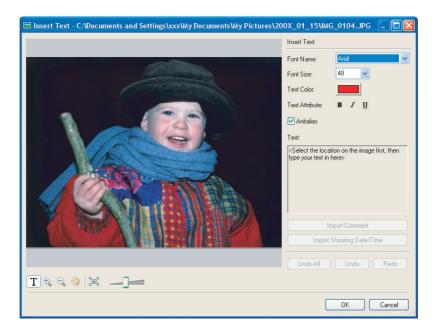
■ [Trim Image] Window

Select [Trim] from the [Edit] menu, or click the sile icon and select [Trim]. Specify the area in the still image to crop and click [Trim Image] to trim the image.



■ [Insert Text] Window

Select [Insert Text] from the [Edit] menu, or click the select icon and select [Insert Text]. Use this to write text on still images.



These image correction tools can be selected by clicking [Edit] [Edit Image] in Task Area of the Main Window.

Installing the Digital Video Software



- Be sure to install the Digital Video Software before connecting the camcorder to the computer.
- You must have authorization as a Computer System Administrator to install programs.

Windows Vista/Windows XP Users:

Your digital video camcorder is equipped with the standard Picture Transfer Protocol (PTP). This protocol enables you to download still images by simply connecting the camcorder to a computer with the USB cable (applications such as the [Scanner and Camera Wizard] start automatically).

However, note that there are several limitations to downloading still images with this method. To avoid these, install ZoomBrowser EX to download still images.

- It may take a few minutes, after connecting the camcorder, until you can download still images.
- Still images protected on the camcorder may lose this setting once they are downloaded to the computer.

1 Check that the 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 Set the DIGITAL VIDEO Solution Disk in the computer's CD-ROM drive.

- Windows Vista: When the [AutoPlay] window appears, click [Run SETUP.EXE]. Follow the instructions in the [User Account Control] window that appears after a brief period.
- Windows XP/Windows 2000: The installer panel appears automatically.
- If the installer panel does not open automatically, use the following procedures to display it.
 - Windows Vista:
 - 1) Select [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.
 - 4) Follow the instructions in the [User Account Control] window that appears.
 - 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.
 - 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.

Depending on your computer's settings, the file extension ".EXE" may not appear.

3 Select your country or region.

4 Select your language.

5

Click [Easy Installation] under Digital Video Software.

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

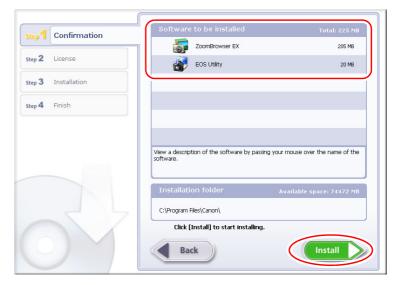


6 If other software is running, close all programs and click [OK].



Review the installation settings and click [Install].

If you selected [Custom Installation] and are using Windows 2000, select Canon DV TWAIN Driver (USB driver).

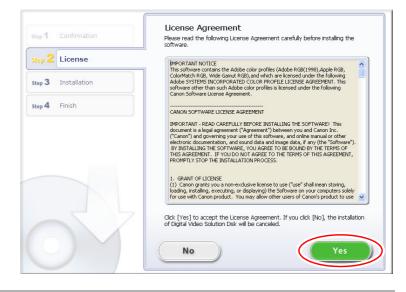




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When installing the software on Windows XP or 2000 by selecting [Easy Installation], EOS Utility (software for downloading still images from the Canon EOS Digital SLR Cameras) will be installed. This software is used only for compatible Canon EOS Digital SLR Cameras, and the camcorder does not support this software.

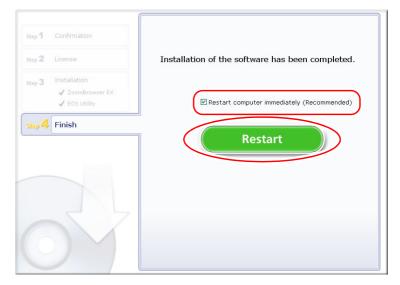
8 Read the license agreement and click [Yes] to accept the terms and to start installation.



9 Click [Next].



10 When the installation is complete, make sure [Restart computer immediately (Recommended)] is selected and then click [Restart].





When you do not need to restart the computer, the [Finish] screen will be displayed. Click [Finish]; remove the DIGITAL VIDEO Solution Disk from the CD-ROM drive, and proceed to *Before Downloading Still Images* (11 25).

11 When the computer has restarted and the regular desktop screen is displayed, remove the DIGITAL VIDEO Solution Disk from the CD-ROM drive.

When installation is complete, remove the DIGITAL VIDEO Solution Disk before you connect the camcorder to the computer.



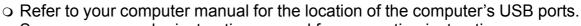
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Windows 2000: At this point, the files for the TWAIN Driver have only been copied to your computer. To download images via USB connection, finish installing the TWAIN Driver. For details, see step 4 (\square 25) in *Connecting the Camcorder to a Computer*.

Connecting the Camcorder to a Computer



- Be sure to install the Digital Video Software before you connect the camcorder to the computer.
- Make sure the camcorder is being powered using the power adapter before connecting it to a 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.

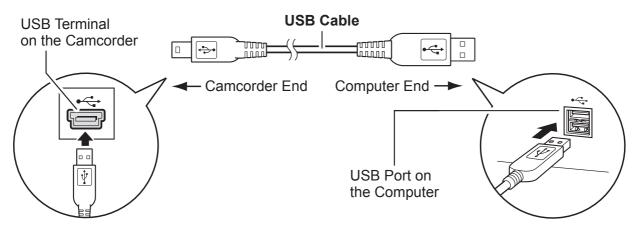


 \circ See your camcorder instruction manual for connecting instructions.



- **2** Connect the power adapter to the camcorder.
- **3** Set the camcorder to still image playback mode. 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:
 Windows 2000: Installation of the DV TWAIN Driver starts. If the "Digital signature not found" message appears, click [Yes].
 - If you are prompted to restart the computer, restart the computer.
 - A window appears allowing you to select an application program to start.

• For instructions on how to start ZoomBrowser EX and download images to the computer, see *Downloading Still Images* (1) 27).



Downloading Still Images

- $\langle ! \rangle$
- Observe the following precautions when the camcorder's access indicator is flashing. 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 or the TAPE/CARD switches.
- Images recorded onto 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.
- Do not rotate the image using programs other than ZoomBrowser EX. The data for the original image will be changed and the image can no longer be displayed in ZoomBrowser EX or on the camcorder.
- If the Server Busy window appears when you connect the camcorder to the computer, click [Retry].
- You cannot connect the camcorder to a computer if the memory card contains 1800 images or more. In this case, use a card reader/writer to download images.
 - For instructions on how to connect a card reader/writer, see Using a Card Reader/Writer (1138).

When Connecting the Camcorder to a Computer

1 Connect the camcorder to the computer (\Box 25).

2 Select [Canon CameraWindow] and click [OK].

- Windows Vista: When the [AutoPlay] window appears, click [Downloads Images From Canon Camera using Canon CameraWindow].
- If a camcorder and 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].

Canon ****	
Camera connected	
Select the program to launch for this action:	
Canon CameraWindow Downloads Images From Canon Camera	
Canon EOS Utility Downloads images from EOS camera	
Microsoft Scanner and Camera Wizard Download pictures from a camera or scanner	
Always use this program for this action	

• The Camera Control window opens.

🖀 CameraWindow - Canon 🛪 🕸 🗐 📔
Acquire Images Print Set to Camera Remote shooting
Downloads using camera
Downloads using computer Starts to download images
Lets you select and download images
Displays this screen when the camera is connected
Preferences Finish



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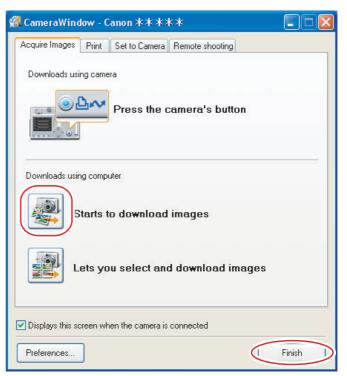
- If the camcorder is already connected to the computer, you can start the CameraWindow and display the Camera Control window by clicking [Acquire & Camera Settings] followed by [Connect to Camera] in the ZoomBrowser EX Main Window.
- o The Remote shooting function is not supported by your camcorder.

Using the Computer to Download Still Images (CameraWindow)

You can select a downloading method in the Camera Control window.

Auto-Downloading

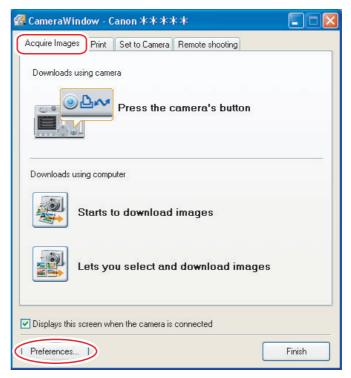
- 1 Click [Starts to download images] in the Camera Control window.
 - For instructions on how to set the Auto-download settings, see Auto-Downloading Settings (30).
 - Click [Finish] to close the Camera Control window after downloading images.



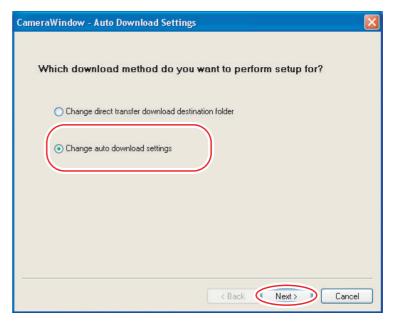
Auto-Downloading Settings

Select the setting for downloading images by operating your computer. You can change the image type and the destination folder.

1 In the Camera Control window, click the [Acquire Images] tab and click [Preferences].

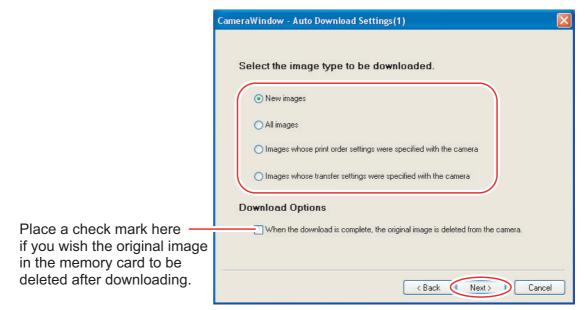


2 Select [Change auto download settings] and click [Next].

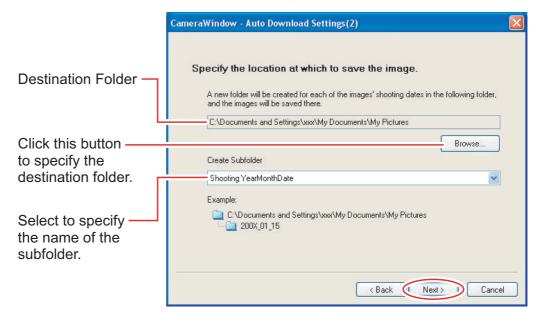


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3 Select the image type to be downloaded and click [Next].



4 Specify the destination folder settings and click [Next].



5 Specify a process to perform after the image is downloaded.

CameraWindow - Auto Download Settings(3)	
Specify process to perform after image is downloaded. O Display the folder at the save destination Perform selected processes consecutively	
Select	el

The window below will be displayed when you select [Perform selected processes consecutively] (you can redisplay the window by clicking [Select]). Select a process to perform after the image is downloaded, and click [OK].

Select Process
Please select a task to run after your images have been downloaded:
• View as a Slide Show
O Photo Print
O Index Print
OK

6 Click [Finish].

Downloading the Selected Still Images from the CameraWindow

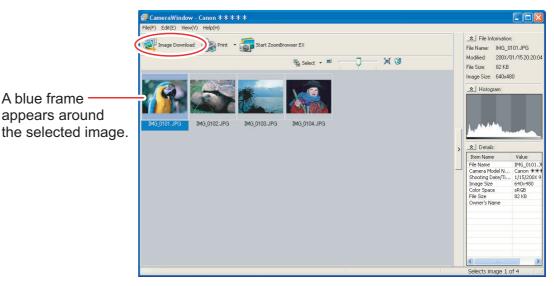
1 Click [Lets you select and download images] in the Camera Control window.

The CameraWindow opens.



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

- Clicking on 2 images while holding down the [Shift] key selects also all images between the 2 images.
- Clicking on different images while holding down the [Ctrl] key selects multiple images.



3 Confirm the settings and click [Starts Download].

 ZoomBrowser EX starts, and the downloaded images appear in the Main Window.

	CameraWindow - Download Images
	Download images according to the following settings.
	Specify Folder Save to (Folder Name) C:\Documents and Settings\xxx\My Documents\My Pictures
Settings for the folder and the	Create Sub Folder Shooting YearMonthDate
Settings for the file prefix ———— and the consecutive numbers	Do not modify
	Change Settings Starts Download Cancel

• To make changes, click [Change Settings].

34

[Specify Folder] Tab

CameraWindow - Change Settings Specify the settings of Specify Folder Specify File Name the folder and subfolder. Save to (Folder Name) C:\Documents and Settings\xxx\My Documents\My Pictures Browse.. A subfolder into which the image will be saved will automatically be created in this folder. Create Subfolder Shooting YearMonthDate ~ New Name Example: C:\Documents and Settings\xxx\My Documents\My Pictures 200X_01_15 ΟK Cancel

[Specify File Name] Tab

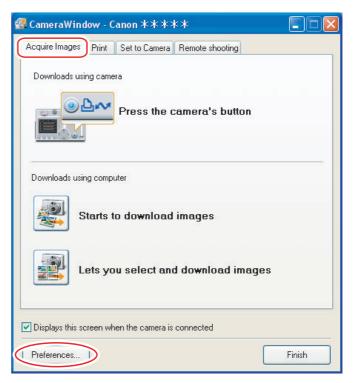
Specify the file name with which to save the images.

Do not modify				
File Prefix				
IMG				
Assign Sequence No				
Number of Digits	4	(1-9)		
Start	1	(0000-9999)		
Example:				
(xxx: file extensio	n will be the same	as the original file	name]	

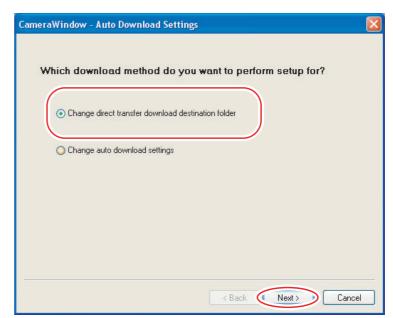
Using the Camcorder to Download Still Images (Direct Transfer Function)

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

- Setting the Direct Transfer Download Destination Folder
- **1** In the Camera Control window, click the [Acquire Images] tab and click [Preferences].

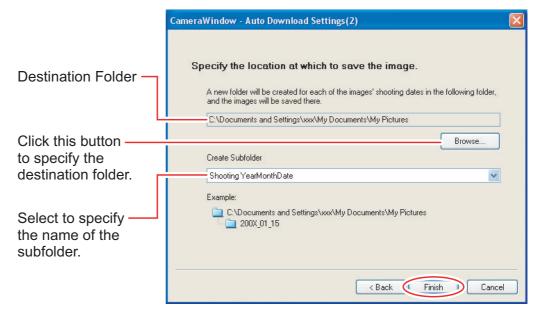


2 Select [Change direct transfer download destination folder] and click [Next].



36

Specify the destination folder settings and click [Finish].



Direct Transfer

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

- See your camcorder instruction manual for how to set and operate the camcorder to transfer images.
- The $\square \bowtie$ 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 Camera Control window appears when you connect the camcorder to the computer.
- Show image(s) in fullscreen mode
- Launch ZoomBrowser EX
- Show Window

About CameraWindow(Launcher)...

Exit

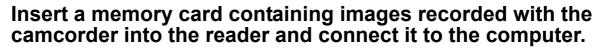
Using a Card Reader/Writer

The basic operations are the same as when you connect the camcorder to the computer. Follow the procedure below to open the CameraWindow. For instructions on how to connect the card reader/writer, refer to its manual.



1

If your card reader/writer does not support miniSD cards, please purchase an appropriate adapter for the card. If you are using SDHC cards, you need to use a card reader/writer compatible with SDHC cards.



- Windows Vista/Windows XP: When a window appears allowing you to select an application program to start, select [View/Download Images using Canon ZoomBrowser EX] and click [OK].
- Windows 2000: Click the Windows [Start] menu, and select [Programs], [Canon Utilities], [ZoomBrowser EX Memory Card Utility] and [Canon ZoomBrowser EX Memory Card Utility].



Clicking [Acquire & Camera Settings]
• [Acquire Images from Memory Card] in the Main Window of ZoomBrowser EX also opens the image download window.

2 Select a downloading method.

- [Download Images]: A progress bar will be displayed and images will be downloaded to the computer, and ZoomBrowser EX starts. For instructions on how to set the Auto-download settings, see *Auto-Downloading Settings* (1) 39).
- [Lets you select and download images]: The ZoomBrowser EX opens, displaying the still images on the camcorder's memory card as thumbnails (small images).

ZoomBrowser EX		Canon
	Downloa	d Images
	Lets you s downloa	select and d images
37	Print	Menu
	Preferences	Exit

Using the Computer to Download Still Images (ZoomBrowser EX)

Select a download method in the image download window.

Auto-Downloading

1

Click [Download Images].

- For instructions on how to set the Auto-download settings, see Auto-Downloading Settings (39).
- Click [Exit] to close the window after downloading images.



Auto-Downloading Settings

Select the setting for downloading images by operating your computer. You can change the image type and the destination folder.

1 Click [Preferences].



2 Configure the settings and click [OK].

Images	to Download]	
New im	ages 👻	
[Save Lo	ocation]	
C:\Doc	uments and Settings\xxx\My Documents\My Pictures Browse	
	Create Subfolder	
	Folder Name and Folder Structure:	
	Shooting YearMonthDate	
	C:\Documents and Settings\xxx\My D\My Pictures 200X_01_15	
[Action /		
Action /	200X_01_15	
Action /	After Download]	
Action /	200X_01_15 After Download] Oisplay the folder at the save destination	
	200X_01_15 After Download] O Display the folder at the save destination Perform selected processes consecutively	
	After Download] Display the folder at the save destination Perform selected processes consecutively Select	

The window below will be displayed when you select [Perform selected processes consecutively] or [Select] under [Action After Download]. Select a process to perform after the image is downloaded, and click [OK].

Select Process
Please select a task to run after your images have been downloaded:
 View as a Slide Show Photo Print Index Print
ОК

Downloading the Selected Still Images from the ZoomBrowser EX

Click [Lets you select and download images].

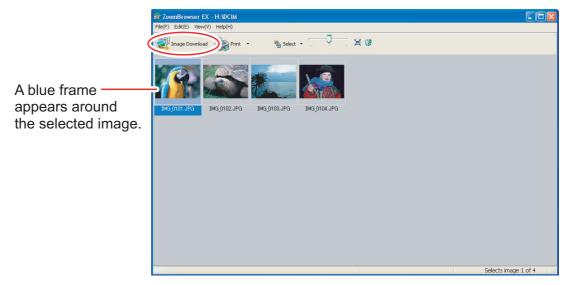
The ZoomBrowser EX opens.

1



2 In the ZoomBrowser EX, select the image you wish to download and click [Image Download].

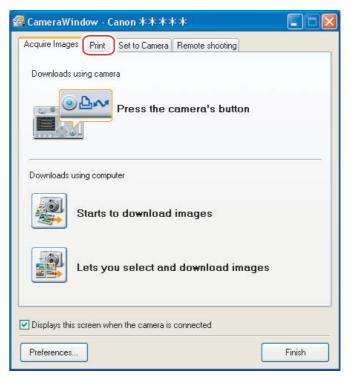
- Clicking on 2 images while holding down the [Shift] key selects also all images between the 2 images.
- Clicking on different images while holding down the [Ctrl] key selects multiple images.



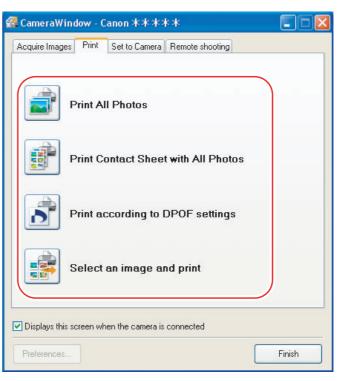
Printing Still Images Recorded on the Memory Card

This section explains how to print still images by connecting the camcorder to the computer. The steps are basically the same when using a card reader/writer. You can select one of the following 4 methods to print still images in the card without downloading images to the computer.

- [Print All Photos]
 - Prints all still images recorded on a memory card in the connected camcorder or in a card reader/writer one image per page.
- [Print Contact Sheet with All Photos]
 - Prints all still images recorded on a memory card in the connected camcorder or in a card reader/writer in an index (rows of images with file names and image information).
- [Print according to DPOF settings]
- Prints according to the DPOF print settings set by the camcorder.
- [Select an image and print]
 - A list of the still images recorded on a memory card in the connected camcorder or in a card reader/writer will be displayed, and you can select images you wish to print.
- **1** Connect the camcorder to the computer. (\Box 25)
- **2** Click the [Print] tab in the Camera Control window.



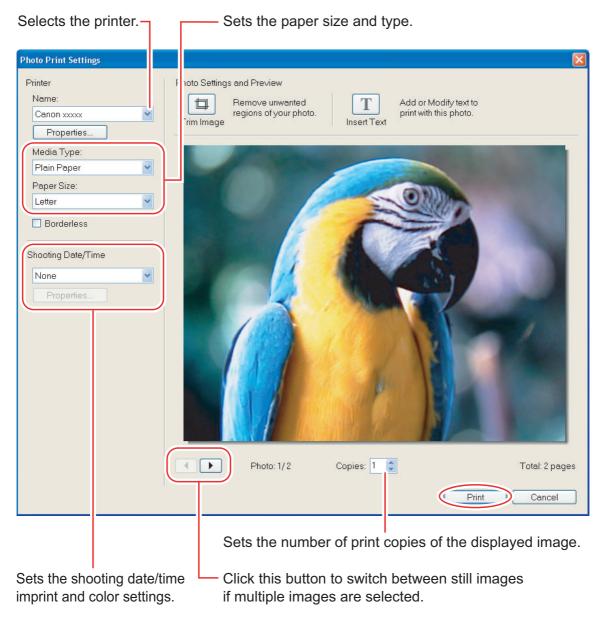
3 Click one of the 4 printing methods.



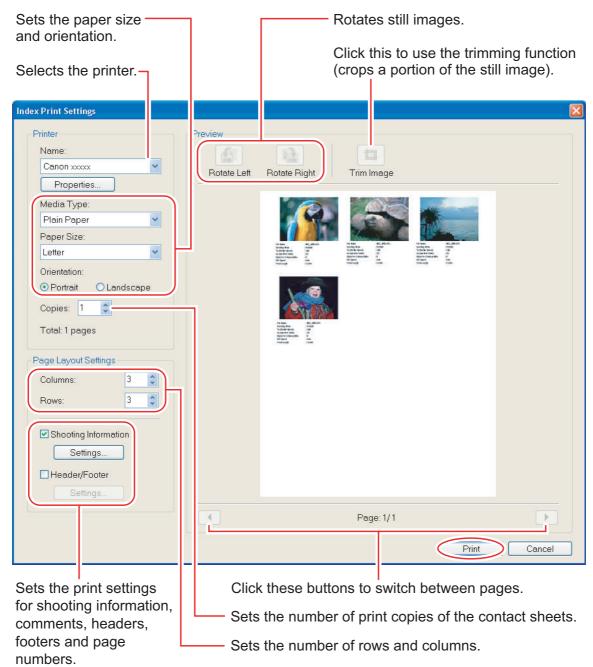
4 Specify the print settings and click [Print].

The window varies depending on the selected printing method in step 3.

When you have selected [Print All Photos]:



When you have selected [Print Contact Sheet with All Photos]:

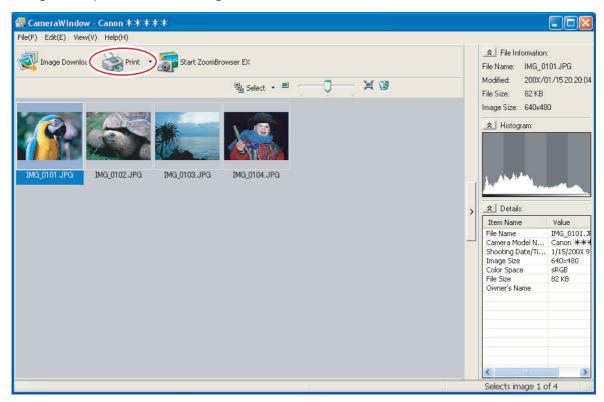


When you have selected [Print according to DPOF settings]:

• The selected still images will be printed according to the number of copies set with the camcorder. The same window described in the previous section *When you have selected [Print All Photos]:* (44) will be displayed.

When you have selected [Select an image and print]:

If you selected [Select an image and print], the following window will be displayed. Select still images you wish to print, and click [Print]. If you selected [Contact Sheet Print], the same window described in the previous section *When you have selected* [Print Contact Sheet with All Photos]: (145) will be displayed. If you selected [One Photo Per Page Print], the same window described in the previous section *When you have selected* [Print All Photos]: (144) will be displayed instead. Set the print settings and print the still images.



Printing Still Images Downloaded to the Computer

You can select one of the following 2 methods to print still images downloaded to the computer.

- [Photo Print]
- Prints one still image per page.
- [Index Print]
 - Prints selected images in rows with file names and image information.

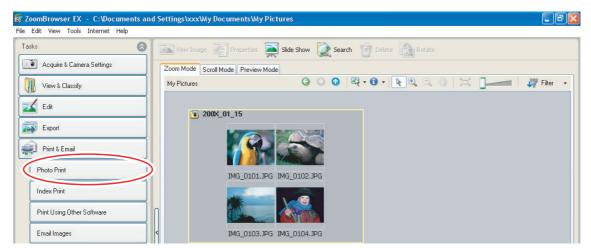


You can select the program to use for printing by clicking [Print & Email] in the Main Window and selecting [Print Using Other Software].

[Photo Print]



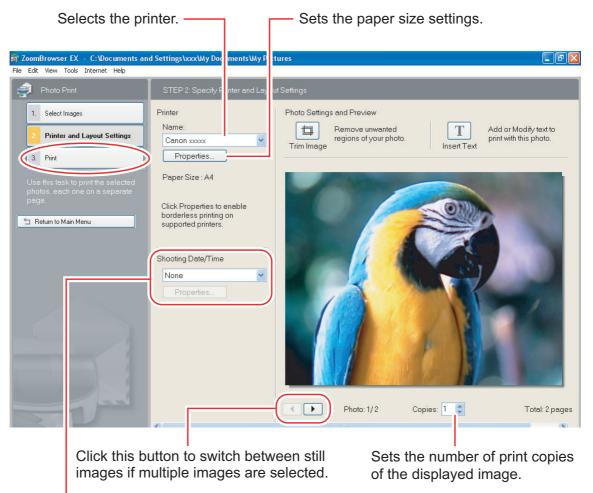
Click [Print & Email] in the Main Window and click [Photo Print].



2 Select still images you wish to print and click [Printer and Layout Settings].



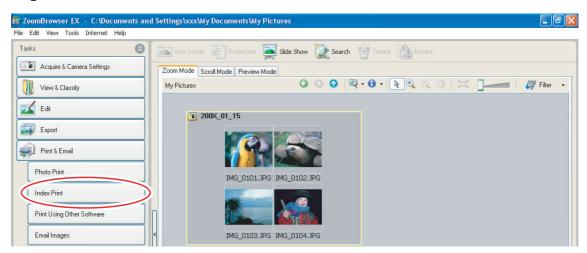
3 Specify the print settings and click [Print].



Sets the shooting date/time imprint and color settings.

[Index Print]

Click [Print & Email] in the Main Window and click [Index Print].



2 Select the still images you wish to print and click [Printer and Layout Settings].



3 Specify the print settings and click [Print].

	Rotates still images.
Sets the paper size and orientation. —	Click this to use the trimming function (crops a portion of
Selects the printer.	the still image).
SoomBrowser EX - C:\Documents and Settings\xxx\Wy Documents dy Picture	
File Edit View Tools Internet Help	
Index Print STEP 2: Specify Printer at Layout S	
1. Select Images Printer	Preview
2. Printer and Layout Settings	Rotate Left Rotate Right Trim Image
3. Print Properties	- Todas Laker ragine - Finishindage
Use this task to print the selected Plain Paper	
Phain Paper Plain Paper Plain Paper Plain Paper Plain Paper Size:	
🖆 Return to Main Menu	International Marcin Marcin <thm< td=""></thm<>
Orientation:	
Portrait O Landscape	
Copies: 1	I AND A AND
Total: 1 pages	Name Name Name Name Name Name Name Name Name Name Name Name Name
Page Lavout Settings	
Columns: 3	
Rows: 3	
Shooting Information	
Settings	
Header/Footer	
Settings	Page: 1/1
C	lick these buttons to switch between pages.
	ets the print settings for shooting information,
C	omments, headers, footers and page numbers
Sets the number of rows a	ind columns.
Sets the number of print c	opies of the contact sheets.

Applying Star Ratings and Keywords

This task allows you to apply ratings to your images from one star to three stars. The star rating can be used as one of the search conditions, or for the selection of images to be displayed in the Browser Window. The keyword can be used as one of the search conditions.

Select the image to which you wish to apply the star rating or keyword, and select [View/Modify Keywords] from the [Tools] menu.

Tools	Internet Help
Sea	rch
Viev	w/Modify Keywords
Mar	lage Neyworus
Stite	ch Photos
Pro	cess RAW Images
	tomize ferences

2 Place a check mark next to the keyword you wish to apply, or click on the stars for rating.

ople:	Places:	Events:	Others:	
Children Family	City	Birthday Holiday		
Friends	Home	Party		
				10
	+	+	+	
and the star action to a	ssign to the selected files			



1

o The default setting of the star rating is two stars.

- You can add and delete keywords, or change the keyword list in the [Manage Keywords] window by selecting [Manage Keywords] from the [Tools] menu.
- Windows Vista: The star rating set using ZoomBrowser EX is not related to the "Rating" setting in Windows Photo Gallery and Windows Explorer.

Classifying the Images

This task allows you to classify selected images according to the shooting date.

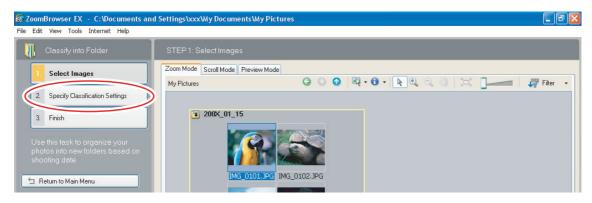
Click [View & Classify] in the Main Window.



2 Click [Classify into Folder].

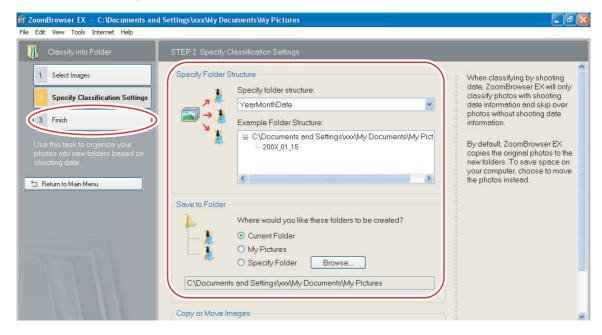
🐻 ZoomBrowser EX - C:\Documents	s and Settings\xxxXWy DocumentsWy Pictures
File Edit View Tools Internet Help	
Tasks (\delta 🔝 View Image 👔 Properties 💂 Slide Show 📡 Search 🎯 Delete 🔝 Rotate
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode
View & Classify	My Pictures O O O R + 0 + R + 0 - K Filter +
View as a Slide Show	
Rename Multiple Files	
Classify into Folder	
Search	IMG_0101.JPG IMG_0102.JPG

3 Select the images you wish to classify and click [Specify Classification Settings].



4 Specify the folder structure and the saving folder and click [Finish].

The selected images are classified into the specified folder.



Renaming Multiple Files

1

This task allows you to rename multiple files at the same time, or to rename and copy multiple files.

Click [View & Classify] in the Main Window.



2 Click [Rename Multiple Files].

寄 ZoomBrowser EX - C:\Documents an	d Settings\xxx\Wy Documents\Wy Pictures	- 2 3
File Edit View Tools Internet Help		
Tasks 🔕	View Image 📰 Properties 🜉 Slide Show 🕵 Search 🎯 Delete 🔝 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode	
View & Classify	My Pictures 😳 💿 🔍 🔍 🔍 🔍 🖓 🖓 🖓 💭 👗 🕽 🚄	Filter 👻
View as a Slide Show	3 200X_01_15	
Rename Multiple Files		
Classify into Folder		
Search	IMG_0101.JPG IMG_0102.JPG	
Edit		

3 Select the images you wish to rename and click [Specify Rename Settings].



Specify the settings and click [Finish].

😽 ZoomBrowser EX - C:\Documents and	Settings\xxx\My Documents\My Pictures	
File Edit View Tools Internet Help		
🕕 Rename Multiple Files	STEP 2: Specify Rename Settings	
1. Select Images 2. Specify Rename Settings 1.3. Finish Use this task to rename a group of files. For example, rename all of on vacation with "Sydney_xxx! ** Return to Main Venu	Rename Settings Select how files should be renamed: Image: Select how files should be rename: Image: NEWNAME_001.xxx	Renaming your photos can make searching for them much easier. 123.JPG ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Placing a check mark here makes copies of images with new names. The name of the original images will not be changed.



4

To rename a folder, select a folder, and open the [Rename Folder] window by selecting [Rename] from the [File] menu. Input the new name, and click [OK].

Searching for Images

This task allows you to search for images by star rating, modification date, shooting date, comment or keywords.

1

Click [View & Classify] in the Main Window.

You can also search for images by clicking [Search] on the Application Tool Bar. Skip to step 3.

🗑 ZoomBrowser EX 🕘 C:\Documents an	d Settings\xxx\Wy Documents\Wy Pictures	
File Edit View Tools Internet Help		
Tasks 🛞	View Image 📄 Properties 🛒 Silde Show 🔯 Search 🎯 Delete 🔝 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode	
View & Classify	My Pictures 🗿 💿 🔍 🔍 🔍 🔍 🗮 📜 💏	Filter 🝷
Edit	200x_01_15	
Export		

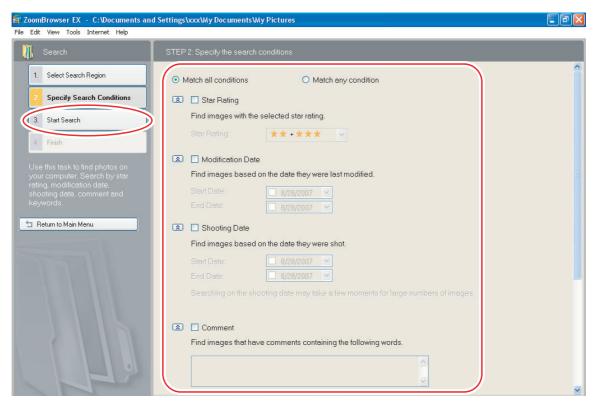
2 Select folders and images from which you wish to search and click [Search].



3

Specify the search conditions and click [Start Search].

- The search results are displayed as thumbnails.
- Select at least one search condition.



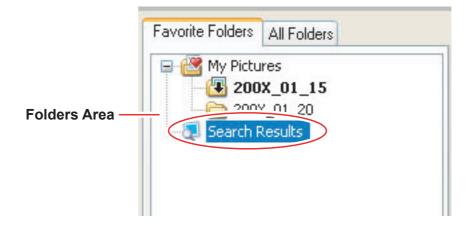


Click [Finish].

• To change the search parameters and perform another search, click [Specify Search Conditions] and repeat steps 3-4.



• The images of the search result are displayed in the [Search Results] folder. You can print or copy these images to another folder.



The searched images will remain in this folder until ZoomBrowser EX is closed or another search is performed, but if you delete an image in this folder, the corresponding original image will be deleted as well.

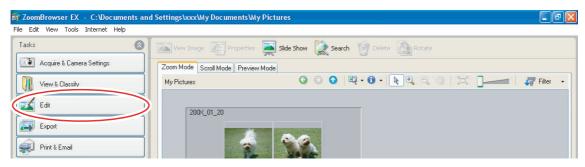
Editing Movies

You can link still images, insert text and background music, and add effects. You can also change the size of selected movies and save them as new files.



- If you are using Windows 2000, QuickTime is required to edit movies. If it is not already installed on your computer, install it from the DIGITAL VIDEO Solution Disk. Place the disk in the CD-ROM drive and click [Install] under QuickTime in the installer panel.
- If you have an AVI file in your computer, you can use this function to edit the file.

Click [Edit] in the Main Window.



2 Click [Edit Movie].



3

Select images and click [Arrange].

You can select multiple images or a folder to include all images in that folder.

👼 ZoomBrowser EX — C:\Documen	nts and Settings\xxx\Wy Documents\Wy Pictures	
File Edit View Tools Internet Help		
Edit Movie	STEP 1: Add images.	Help
1. Add Images	Zoom Mode Scroll Mode Preview Mode My Pictures Image: Comparison of the structure Image: Comparison of the structure	Filter 🗸
1 2. Arrange		
3. Apply Effect	2004_01_20	
4. Set Audio		
5. Save		
6. Exit	IMG_0107.JPG 20108.JPG 20108.JPG	

4

Arrange images and click [Apply Effect].

To change the order of images, select an image in the Storyboard Area and click [Move Left] or [Move Right].

	d Settings\xxx\Wy Documents\Wy Pictures	
File Edit View Tools Internet Help		
Edit Movie	STEP 2: Arrange images.	Help 🥐
1. Add Images	Arrange To arrange images, select the image and click on the [Move Left] or [Move Right]	
2. Arrange	buttons.	
	Move Left Move Right	
3. Apply Effect	To set the play time or rotation, select the image and click the button.	
4. Set Audio		
5. Save	Play Time Rotate	
6. Exit		
🛨 Return to Main Menu		
	< Back Next>	Cancel
		tal Time: 00:10
DIM		
		Items: 2
		Items: 2
Plays back the mov	vies Storyboard Area	
being edited.	Displays thumbnails of the displays the displayed by the	he
	selected images. The im	ages will
	be linked from left to righ	nt.
	Transition Box	
	Displays the symbol of the transition	
	effect between linked images.	

5 Apply effects to the images and click [Set Audio].

When you select [Apply effects to image.], you can use the following functions.

- [Text Effect]: Opens the [Text Effect Settings] window. You can enter text, change the font and preview the effect.
- [Filter Effect]: Opens the [Filter Effect Settings] window. You can set the filter effect type, the start and end point, and preview the effect.
- [Magnify Section]: Allows you to view a part of the image in enlarged size.
- [Transition Effect]: Opens the [Transition Effect Settings] window. You can set the transition effect type and display time, and preview the effect. To set a transition effect, you need to select a transition box in the Storyboard Area.

😽 ZoomBrowser EX — C:\Documents ar	nd Settings\xxx\Wy Documents\Wy Pictures	- 7 ×
File Edit View Tools Internet Help		
Edit Movie	STEP 3. Apply effects to images.	Help <mark>?</mark>
1. Add Images	Image Effects	
2. Arrange	Apply effects to image. To set the Text effect, Filter effect, or to magnify a section, select the image and click the appropriate button.	
3. Apply Effect	Text Effect Filter Effect Magnify Section	
4. Set Audio	When you want to set the image's Transition effect, select the [Transition Effect] box and click the [Transition Effect] button.	
5. Save	Transition Effect	
6. Exit		

6 Set the audio and click [Save].

When you select [Set audio.], you can use the following functions.

- [Add Audio]: Opens the [Add Audio] window. You can add an MP3 or a WAV file as background music.
- [Advanced Settings]: Opens the [Advanced Audio Settings] window. You can adjust the audio level of a movie or an audio file and apply audio faders. To set the advanced audio settings, you need to select a movie or an audio file which you added.

📅 Zo	oomBrowser EX - C:\Documents and	l Settings\xxx\My Documents\My Pictures	
File	Edit View Tools Internet Help		
2	🖌 Edit Movie	STEP 4: Set audio.	Help <mark>?</mark>
	1. Add Images	Audio	
	2. Arrange	• Set audio. To add audio, click the [Add Audio] button.	
	3. Apply Effect		
	Set Audio	To set advanced audio settings, select [Audio] and click the [Advanced Settings] button.	
(5. Save	Advanced Settings	
	6. Exit		

7

Click [Save].

Movies are saved in DCF type files with Motion JPEG/AVI compression.

寄 ZoomBrowser EX - C:\Documents and	Settings\xxx\My Documents\My Pictures	
File Edit View Tools Internet Help		
🗾 Edit Movie	STEP 5: Save the edit results.	Help
1. Add Images	Save file File name:	
2. Arrange	Movie Save to folder:	
3. Apply Effect	C:\Documents and Settings\vxx\My Documents Browse	
4. Set Audio	Save image type O Auto-select O Specify a save image type	
5. Save	MotionJPEG (AVI)	
6. Exit	Save image type MotionJPEG (AVI) Image Size:320 x 240 (Standard) Frame Rate:15 Frames/second Audio:16 bit. 22.050 kHz, Monaural	
In this step, you can save your edit results. When you have completed your save settings, click the [Save] button to proceed to the next step.	Click [Save] button to save the edit results.	

Select this to save as Motion JPEG compressed AVI.

Selecting [Specify a save image type] and clicking [Advanced Settings] allows you to set [Image Size], [Frame Rate] or [Audio] settings of the movie.

8 Click [Exit].

File Edit View Tools Internet Help	I Settings\xxx\My Documents\My Pictures	
Edit Movie	STEP 5: Save the edit results.	Help ?
1. Add Images	Save file File name:	
2. Arrange	Movie Save to folder:	
3. Apply Effect	C:\Documents and Settings\xxx\My Documents Browse	
4. Set Audio	Save image type O Auto-select O Specify a save image type	
5. Save	MotionJPEG (AVI)	
6. Exit	Save image type:MotionJPEG (AVI) Image Size 320 x 240 (Standard) Frame Rate:15 Frames/second Audio:16 bit, 22.050 kHz, Monaural Total Time: 00:10	
edit results. When you have completed your save settings, click the [Save] button to proceed to the next	Click [Save] button to save the edit results.	

Playing Back Movies

In the CameraWindow and Main Window, movies are displayed with the first scene as a still image with a 📃 (movie) icon.



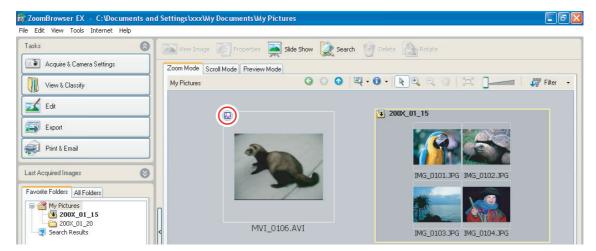
1

 If you are using Windows 2000, QuickTime is required to play movies. If it is not already installed on your computer, install it from the DIGITAL VIDEO Solution Disk. Place the disk in the CD-ROM drive and click [Install] under QuickTime in the installer panel.

 Do not double-click a movie file (.AVI extension) in Windows Explorer. That will start Windows Media Player, which may not support this file type. To play back movies, double-click the thumbnail with a movie icon in the Main Window's Browser Area.

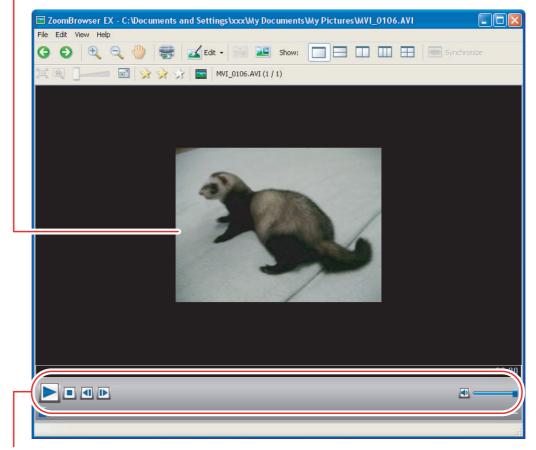
In the Main Window, double-click a thumbnail with a 📃 (movie) icon.

[Image Viewer] window appears.



- The [Image Viewer] window is displayed, and the movie will be played back. You can control (play back/stop/fast forward/rewind) the movie being played back with the buttons shown at the bottom left of the window.
- Windows Vista/Windows XP: You can extract still images from movies and save them as image files. For details, refer to *Extracting Still Images from Movies (Windows Vista/Windows XP)* (
 72).

You can save the displayed scene as a still image.



You can play movies and control the sound volume.

Exporting Images

You can change the data type for selected still images and movies and save them as new files. You can also export selected movies and still image properties to a text file or copy and rename movies and still images. Furthermore, you can export still images for use as a screen saver or a wallpaper.

Changing the File Type and Saving

Click [Export] in the Main Window.

寄 ZoomBrowser EX - C:\Documents an	d Settings\xxx\Wy Documents\Wy Pictures	
File Edit View Tools Internet Help		
Tasks 🛞	View Image 🕼 Properties 🚎 Silde Show 🗽 Search 🎯 Delete 🔝 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode	
View & Classify	My Pictures O O O R • 0 • N • O	Filter 👻
E dit	¥ 200X_01_15	
Export Print & Email		

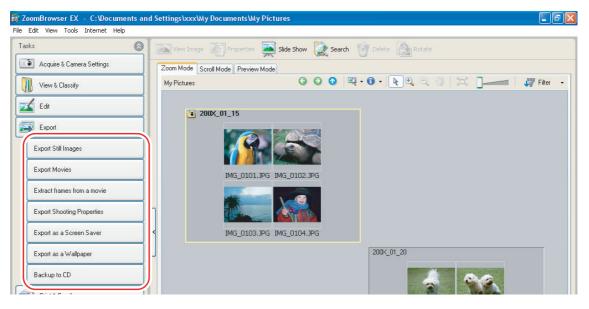
2 Select the export type.

If you selected [Export Movies], [Extract frames from a movie] or [Backup to CD], refer to the pages listed below.

[Export Movies]: Exporting Movies (1 69)

[Extract frames from a movie]: *Extracting Still Images from Movies (Windows Vista/Windows XP)* (1 72)

[Backup to CD]: Saving on CD-R/RW Disks (Windows Vista/Windows XP) (175)



3 Select images and click [Specify Export Settings].



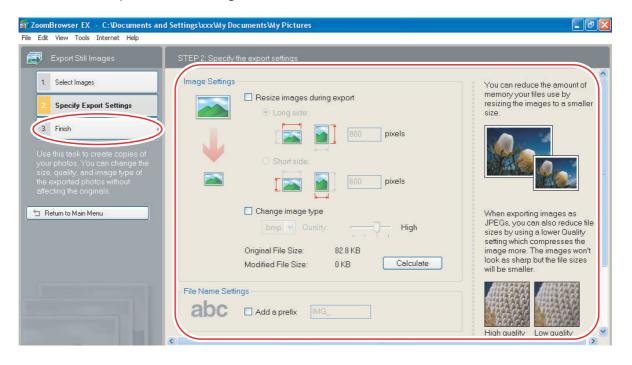
4

Specify the export settings and click [Finish].

The window varies depending on the selected export type in step 2.

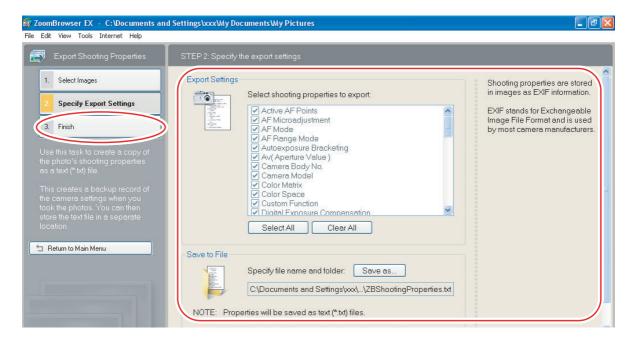
When you have selected [Export Still Images]:

You can convert still images to another file type, resize and save them as new files. You can select the file type from BMP, JPEG and TIFF. You can also specify a prefix to be added to the exported still images.



When you have selected [Export Shooting Properties]:

You can select the information you wish to export and save as a text file.



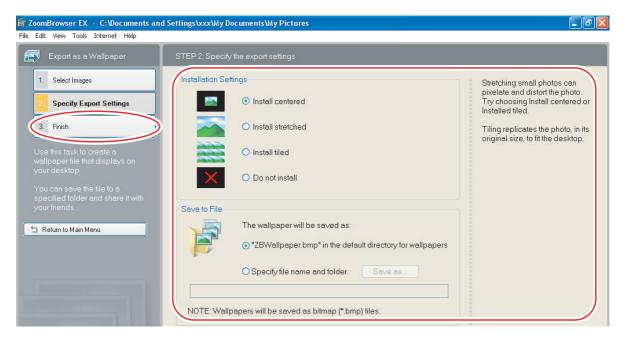
When you have selected [Export as a Screen Saver]:

You can export and save the image as a screen saver.

ZoomBrowser EX - C:\Documents and File Edit View Tools Internet Help	Settings\xxx\My Documents\My Pictures	∎∎ <mark>≥</mark>
🛃 Export as a Screen Saver	STEP 2: Specify the export settings	
Select Images Specify Export Settings Secify Export Settings Seciefy Export Setting Seciefy Export Setting Seciefy Export S	Screen Saver Settings Include images in the screen saver (larger file size) Resize images: 1024x768 Screen saver size: 0 KB Calculate Preview Screen Saver Save to File Specify file name and folder Save as	The order in which you select photos determines their sequence in the screen saver. If you selected to include images in the screen saver, you can reduce their size to fit a different screen resolution. If you choose not to include images in the screen saver, and you then move or rename these images, they will not display when the screen saver plays.
	C:\Documents and Settings\xxx\My Documents\Canon Utili ties\ZBScreenSaver\ZBScreenSaver.scr Set as default screen saver NOTE: Screen savers will be saved as Windows screen saver (*.scr) files.	NOTE: If you cannot find your screen saver file on the Windows Screen Saver tab, you need to install it. Browse to the folder that contains the screen saver file,

When you have selected [Export as a Wallpaper]:

You can export and save the image as Windows wallpaper. This task cannot be performed if you have selected multiple images.



Exporting Movies

You can change the size or file type for selected movies and save them as new files.



1

If you are using Windows 2000, QuickTime is required to export movies. If it is not already installed on your computer, install it from the DIGITAL VIDEO Solution Disk. Place the disk in the CD-ROM drive and click [Install] under QuickTime in the installer panel.

Click [Export] in the Main Window.

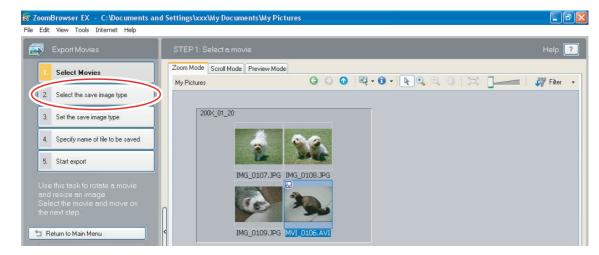
Edit View Tools Internet Help	Y
asks	🗕 🔝 View Image 📑 Properties 🜉 Slide Show 🗽 Search 🌍 Delete 🔝 Rotate
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode
View & Classify	My Pictures 🕑 🖸 🛱 + 🔀 + 💽 🔍 🔍 👘 🔭 Filter
🗹 Edit	200× 01 20
Export	
Print & Email	

2 Click [Export Movies].

📅 ZoomBrowser EX - C:\Documents an	rd Settings\xxx\My Documents\My Pictures	- 7 🛛
File Edit View Tools Internet Help		
Tasks	View Image Properties 🜉 Slide Show 🔯 Search 🎯 Delete 🔝 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode	
View & Classify	My Pictures 🕜 💿 🔍 🔍 🕀 • 🚯 • 💽 🔍 🔍 👘 📕 🚛 🛛 🖉 F	ilter 🔻
Edit	2004_01_20	
Export Export Still Images		
Export Movies	IMG_0107.JPG IMG_0108.JPG	
Extract frames from a movie		
Export Shooting Properties		
Export as a Screen Saver	< IMG_0109.JPG MVI_0106.AVI	
Export as a Wallpaper	3 200x_01_25	
Backup to CD		

3 Select a movie and click [Select the save image type].

You can select multiple images or a folder to include all images in that folder. Still images cannot be selected. For instructions on how to export still images, see *Exporting Images* (\square 65).



Select a file type and click [Set the save image type].

e Edit View Tools Internet Help	nd Settings\xxxWy DocumentsWy Pictures	
Export Movies	STEP 2: Select the save image type.	Help
1. Select Movies	Save image type	
2. Select the save image type	Motion/PEG (AVI)	
3. Set the save image type	MotionJPEG (AVI) Standard movie file used on computers. You can set the image size, frame rate and image quality in the next step.	
4. Specify name of file to be saved		
5. Start export	Rotation settings	
In this step, you can change the	Rotate	
	90 degrees left	
Select a save image type, and	O degrees right	

5 Specify the export settings and click [Specify name of file to be saved].

👼 ZoomBrowser EX 🕞 C:\Documents and	Settings\xxx\Wy Documents\Wy Pictures	
File Edit View Tools Internet Help		
Export Movies	STEP 3: Set Motion JPEG (AVI).	Help ?
1. Select Movies	Image Size	
2. Select the save image type	No change	
	Zoom specification	
3. Set the save image type	Size specification 640 × 480	
	Fix the aspect ratio	
4. Specify name of file to be saved	Frame Rate	
5. Start export	Automatic Frames/second	
In this step, you can change the	Image Quality	

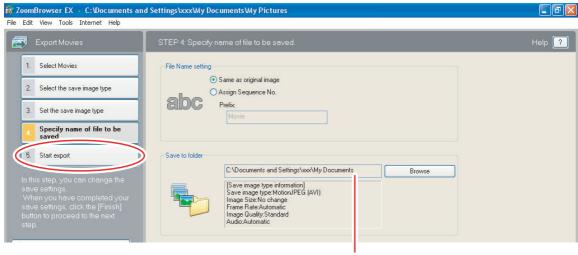
70

6

7

Specify the file name and click [Start export].

In each case, specify the destination folder and file name of the movie to be exported.



Destination Folder

Click [OK].

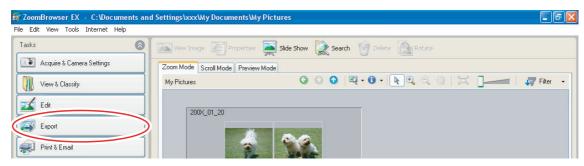
The Main Window appears.

MovieExport Task	
Export is completed.	
	OK Details >>

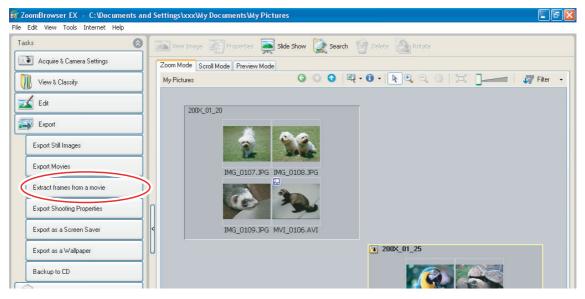
Extracting Still Images from Movies (Windows Vista/Windows XP)

You can extract still images from movies and save them as image files.

Click [Export] in the Main Window.

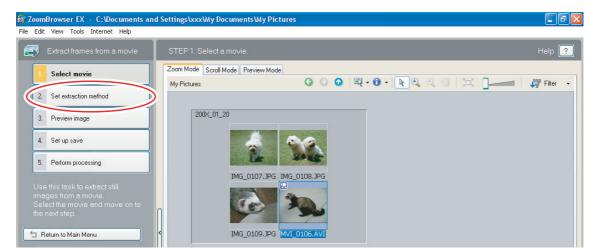


2 Click [Extract frames from a movie].



3

Select the movie from which you wish to extract still images and click [Set extraction method].



Windows

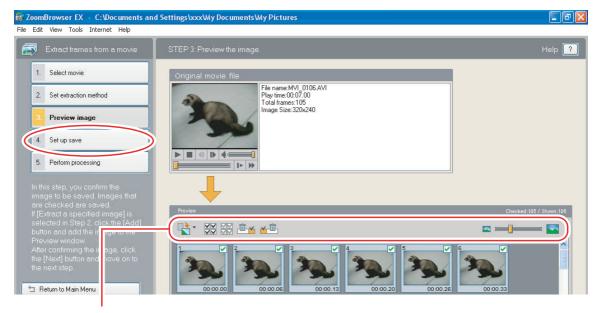
4 Select the still images extraction method and click [Preview image].

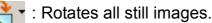
- [Extract all frames]: Extracts all frames in the movie as still images.
- [Specify an interval and extract frames]: Extracts frames as still images from a specified frame range or time interval.
- [Specify the number of copies and extract frames]: Extracts a specified number of still images from the entire movie. The extraction interval is calculated based on an equal distribution of the specified number of still images.
- [Extract a specified image]: Extracts still images from scenes that catch your attention.

🐻 ZoomBrowser EX 🕘 C:\Documents and	I Settings\xxx\Wy Documents\Wy Pictures	
File Edit View Tools Internet Help		
Extract frames from a movie	STEP 2: Set up the extraction method.	Help <mark>?</mark>
1. Select movie	Original movie file	
2. Set extraction method	File name:MVI_0106.AVI Play time:00:07.00 Total frame:105 Image 5(2):20240	
3. Preview image		
4. Set up save	Select how to extract the still images from the movie.	
5. Perform processing	 Extract all frames Extracts every frame in the movie as a still image. 	
want the still images to be extracted from the movie.	O Specify an interval and extract frames	
After selecting the extraction method, click [Next] and move on to the next step.	Specifies the interval at which still images are extracted from the movie.	
	O Specify the number of copies and extract frames	
🛨 Return to Main Menu	Specifies the number of copies of still images to be extracted from the movie. Copies	
	O Extract a specified image	
	Extracts the frame you select while watching a preview of the movie as a still image.	

5 Confirm the still images which will be extracted (images with check marks) and click [Set up save].

If you selected [Extract a specified image] in the previous window, the movie will be displayed in the upper part of the window. Display the images you want and click [Add].







I clears or adds check marks to all still images at once.

: Clears the check marks of all the still images before/after the selected still images.



6 Specify the file name and the folder where you wish to save it and click [Perform processing].

罰 ZoomBrowser EX - C:\Documents an File Edit View Tools Internet Help	d Settings\xxx\Wy Documents\Wy Pictures	
Extract frames from a movie 1. Select movie 2. Set extraction method 3. Preview image 4. Set up save 5. Perform processing	STEP 4. Set up the save.	Help 🥐
In this step, you set up how images are saved. When you have completed the save setup, click the [Finish] button and run the process.	Auto folder creation Automatically create a folder with the same name as the original movie Specify folder name for auto creation	

Saving on CD-R/RW Disks (Windows Vista/Windows XP)

You can copy and save images to CD-R or CD-RW disks. The shooting information is copied along with the images.



1

This function can only be used on a computer that came with a CD-R/RW drive as standard equipment.

Place a CD-R/RW disk in the computer's CD-R/RW drive.

2 If the following window appears, click [Cancel].

a disk (ws can perform the same action each time you ins or connect a device with this kind of file: lank CD
What o	lo you want Windows to do?
	using Windows Explorer
0	Take no action
Ala	ays do the selected action.

3 Click [Export] in the Main Window.

👼 ZoomBrowser EX — C:\Documents an	d Settings\xxx\Wy Documents\Wy Pictures	PX
File Edit View Tools Internet Help		
Tasks 🛞	View Image 🕞 Properties 🛼 Side Show 🗽 Search 🎯 Delete 🔝 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode	
View & Classify	My Pictures O O O R + 0 + R + 0 101] 27 Film	er 🕶
Edit	200X_01_15	
Export		

Click [Backup to CD].

4

sks	🙆 Wew Image 📰 Properties 🔄 Slide Show 🔯 Search 🍿 Delete 🎧 Rotate
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode
View & Classify	My Pictures G O O 🛱 + 🖲 + 💽 🔍 🖑 🎵 💏 Filte
🖌 Edit	
Export	3 200X_01_15
Export Still Images	
Export Movies	IMG_0101.JPG IMG_0102.JPG
Extract frames from a movie	
Export Shooting Properties	
Export as a Screen Saver	< IMG_0103.JPG IMG_0104.JPG
Export as a Wallpaper	2004_01_20

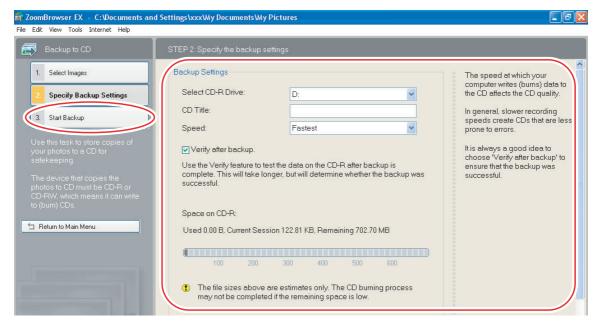
5 Select the folders or images you wish to save and click [Specify Backup Settings].



6

Set the backup settings and click [Start Backup].

The disk will be ejected from the drive when copying is complete.



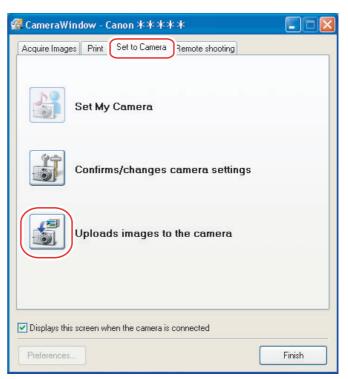


You can add images to a CD-R/RW disk that already contains images.

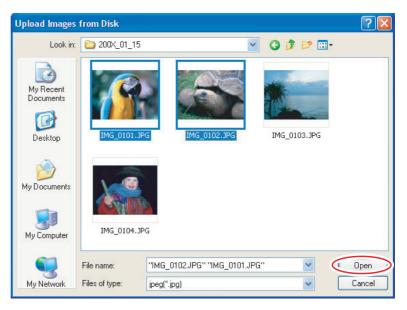
Adding Still Images to the Memory Card

You can add still images (JPEG) from the computer to a memory card in the camcorder or card reader/writer.

- Adding Still Images to the Memory Card in the Camcorder
- **1** Connect the camcorder to the computer ($\square 25$).
- 2 Click the [Set to Camera] tab and click [Uploads images to the camera].



3 Select the still images you wish to save and click [Open].



4 Select the image size and click [Add].

Add image	×
Image will be added after setup is performed.	
 Add image as is Send after changing the image to VGA size (640×480 dots) 	
Add	

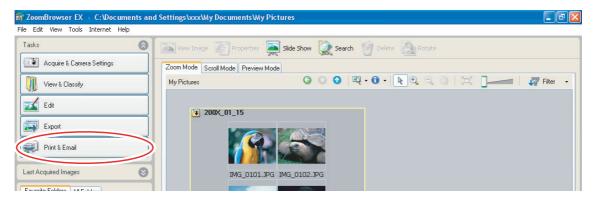


When you upload images edited with another application, image properties may be lost.

Attaching Still Images to E-mail Messages

You can attach selected still images to an e-mail message. If necessary, you can make the image file size smaller.

1 Click [Print & Email] in the Main Window.



2 Click [Email Images].

e Edit View Tools Internet Help	ts and SettingsbooxMy DocumentsMy Pictures	
Fasks	🙆 🖾 View Image 📰 Properties 🜉 Slide Show 🗽 Search 🎲 Delete 🎧 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode	
View & Classify	My Pictures 🕒 🖸 🖓 🕈 🕅 🗮 📜 🔤	📹 🛛 🖓 Filter 🗸
🗾 Edit	€ 200×_01_15	
Export	• 200A_01_13	
Print & Email		
Photo Print	IMG_0101.JPG IMG_0102.JPG	
Index Print		
Print Using Other Software		
1 Email Images	IMG_0103.JPG IMG_0104.JPG	
	200% 01 20	

3 Select the still images you wish to send and click [Change Image Size].

👼 ZoomBrowser EX — C:\Documents and	I Settings\xxx\Wy Documents\Wy Pictures	- 7 🛛
File Edit View Tools Internet Help		
Email Images	STEP 1: Selectimages	
Select Images Change Image Size Change Image Size Size Thish Use this task to attach JPEG images to an email message. You can change image size and quality to reduce the size of the email attachments.	Zoom Mode Scroll Mode Preview Mode My Pictures 200X_01_15 3 200X_01_15 3 1MG_0101.J.PG 1MG_0102.JPG	Filter •

4 Select image size and quality, and click [Finish].

- If you selected [Using the recommended settings.], your e-mail software starts and the selected still images appear as an attachment in the message window. Input address, subject and your comments and send the message.
- E-mail software not supporting MAPI does not start automatically. In this case, select [Save to Folder] in the [Custom Settings] screen and select a destination folder for the still images.

寄 ZoomBrowser EX - C:\Documents a	nd Settings\xxx\My Documents\My Pictures	
File Edit View Tools Internet Help		
🚔 Email Images	STEP 2: Change the image size and quality	
Select Images Change Image Size Finish Use this task to attach JPEG	Email Settings Send these images: Using the recommended settings. Using custom settings. Custom Settings	Reducing the total email size to 1MB or less insures that others can receive your images. To reduce the size of the email, do one of the following: - Click Custom Settings to resize or after the quality of images.
	Confirm Current Settings	- Return to Step 1 and reduce your selection of images. Consider sending

• If you select [Using custom settings.], change the settings in [Custom Settings] and click [OK].

Custom Settings	
Attachment Setting	\$
Image Size:	Small (640x480 pixels) 🛛 👻
Quality:	High
Original File Size:	82.8 KB
Modified File Size	: Click Calculate button
Calculate	Preview
	ng message if the modified file size is e maximum attachment size below.
 After Finishing the ¹ Attach to Ema Save to Folde C:\Document 	il
-	OK Cancel



- To use this function, the e-mail software must be enabled as MAPI client. For details, refer to the instruction manual of the e-mail software.
- This function uses the e-mail software configured in [Internet Options]. To change the software, first exit ZoomBrowser EX. Next, in Internet Explorer, select [Tools], [Internet Options] and the [Programs] tab. Set the desired software in [E-mail] and click [OK]. (This procedure may change depending on your Web browser.)

Running a Slide Show

You can view selected still images in a slide show.

1

Click [View & Classify] in the Main Window.

You can also view a slide show by clicking [Slide Show] on the Application Tool Bar. Skip to step 4.

局 ZoomBrowser EX → C:\Documents and	l Settings\xxx\My Documents\M	y Pictures	- 7 🛛
File Edit View Tools Internet Help			
Tasks	View Image Propertie:	Slide Show 🕵 Search 🎯 Delete 🔝 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview	Mode	
View & Classify	My Pictures	○ ○ ○ ○ ○ · ○ · ○ · ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Filter 👻
Edit	200x_01_15		
Export			
Print & Email			

2 Click [View as a Slide Show].

寄 ZoomBrowser EX - C:\Documents and	I Settings\xxx\Wy Documents\Wy Pictures	
File Edit View Tools Internet Help		
Tasks 🛞	🔝 View Image 📗 Properties 🜉 Slide Show 🗽 Search 🎯 Delete 🔝 Rotate	
Acquire & Camera Settings	Zoom Mode Scroll Mode Preview Mode	
View & Classify	My Pictures G O O R + 0 + R Q Q U 101	🕎 Filter 👻
View as a Slide Show	200X_01_15	
Rename Multiple Files		
Classify into Folder		
Search	IMG_0101.JPG IMG_0102.JPG	
Edit		

3 Select the images and click [Setup Slide Show].



Windows

Select the slide show settings.

4

- [Image Size]: Select the size of the still images.
- [Image Information]: Select to show image information such as file name or title.
- [Advance to Next Slide]: Select to advance manually or automatically. When you select "Every 3 second(s)", you can select the interval in the control below (from 1 to 120 seconds).
- [Loop]: Select to stop the slide show after the last image or to continuously run it in a loop.
- [Transitions]: Select the transition effect to be used when moving from one slide to another. When you click an effect, you can check the effect in the preview window.

mBrowserEX - C:\Documents and \$ dit View Tools Internet Help	Settings\xxx\My Documents\M	y Pictures		
View as a Slide Show	STEP 2: Slide Show Setup			
1. Select Images	Slide Show Settings			
2. Setup Slide Show		Loop:	Transitions:	
3. Start Slide Show				
Jse this task to create a slide how from a group of photos, ither in the same or different	Linter a statistics	and the state	III = M I	
olders.	***			
he order in which you select hotos determines their	Image Size:			
equence in the slide show.	Image Size:	 Actual Size Best Fit 		
Return to Main Menu		Maximum Stretch	\rightarrow \leftarrow 1	
metum to main menu				
	Image Information:	 No Information 		
		 Show Information 		
		O Controls Only		
	Advance to Next Slide:	O On clicking the left mouse button		
		 Every 3 second(s) 		
		7		

5 Click [Start Slide Show].

Click
 in the lower right corner to end the slide show.

Adding Sound to a Still Image

- You can add a sound to an image. The sound file that can be added to the image must be WAVE type (extension ".wav").
- The sound cannot be played back on the camcorder.

1 In the Main Window, select an image and select [Add/ Remove Sound] from the [Edit] menu.

Edit	View	Tools	Internet	Help	
Co	ру				Ctrl+C
Pa	iste				Ctrl+V
C	opy to F	=older			
M	ove to F	=older			
Se	elect All				Ctrl+A
Se	elect Bra	acketed			
	ear Sele	ection			Ctrl+R
R	otate				
R	otate A	ccording) to Rotatic	n Informat	tion
Cł	ange 9	ikan baru			•
A	ld/Rem	ove Sou	ind		
Pla	ау Боог	Ium			
Edit Image					
L					

2 Click [Add].

ត្រី Sound	
Currently Selected Sound File:	
	Play
Add Remove	
ОК	Cancel

3 Select the sound file and click [Open].

4 Click [OK].

- The sound file will be copied to the same folder as the image.
- To play back the sound, select an image with a sound icon and select [Play Sound] from the [Edit] menu.



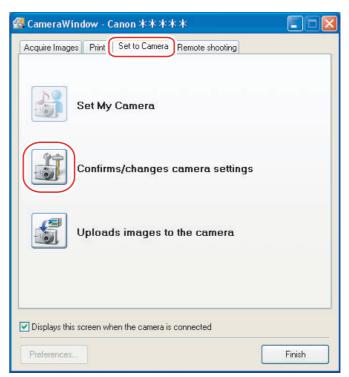
84

- To remove sound from an image, select [Remove] on the Sound window in step 2. Im disappears and the copied sound file will be deleted.
- ${\rm o}$ The [Play Sound] window appears and plays back the sound.

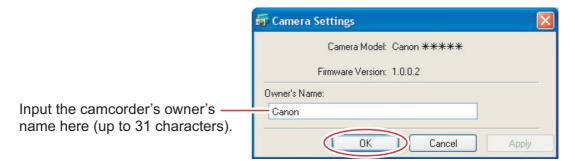
Reviewing and Changing the Owner Name of the Camcorder

You can change and confirm the owner's name of the camcorder.

- **1** Connect the camcorder to the computer (\square 25).
- **2** Click the [Set to Camera] tab and click [Confirms/changes camera settings].



3 Enter the camcorder's owner's name and click [OK].



Uninstalling the Software

Uninstall the software when you wish to delete it from your computer or when reinstallation is required to fix corrupted files.

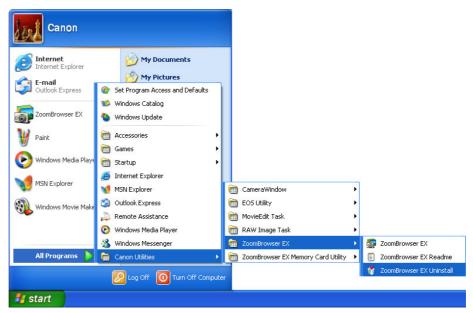


You must have authorization as a Computer System Administrator to uninstall programs.

Uninstalling ZoomBrowser EX

Other programs in the [Canon Utilities] folder can also be uninstalled in the same way.

1 Click the Windows [start] menu and select [All Programs] ▶ [Canon Utilities] ▶ [ZoomBrowser EX] and [ZoomBrowser EX Uninstall].





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- Uninstall all programs in [Canon Utilities] when you have uninstalled ZoomBrowser EX.
- RAW Image Task is used with Canon digital camera. The camcorder does not support the program, but you can uninstall the program in the same way as uninstalling the ZoomBrowser EX.

Uninstalling the TWAIN Driver (Windows 2000 only)

- **1** Connect the camcorder to the computer (\square 25).
- 2 If a window for selecting an application program or the Scanners and Cameras Wizard appears, click [Cancel]. If ZoomBrowser EX started, close it.
- **3** Click the Windows [Start] menu and select [Settings] and [Control Panel].
- **4 Double-click the [Scanners and Cameras] icon.** If you cannot find the [Scanners and Cameras] icon, see *TWAIN Driver Uninstallation* (189).
- **5** Delete [Canon Camera] from the [Scanners and Cameras Properties] list.
- **6** Click [OK] to close the window.
- 7 Turn the camcorder POWER switch to OFF and remove the USB cable from the computer.
- 8 Click the Windows [Start] menu and select [Programs], [Canon Utilities], [DV TWAIN Driver x.x] and [TWAIN Driver Uninstall].

A version number appears in place of "x.x".

- **9** When the Confirm Uninstall window appears, click [OK]. The uninstall process starts.
- **10** When the Maintenance Complete window appears, click [Finish].

Troubleshooting

Connection

- **2** Camcorder is not recognized when connected to the computer.
 - → Computer does not support the USB interface. Refer to System Requirements (□ 5).
 - → There is no memory card in the camcorder. Insert a memory card into the camcorder.
 - → The camcorder is not set to the correct mode. Set the camcorder to still image playback mode.
 - → Camcorder is not correctly connected to the computer. Read Connecting the Camcorder to a Computer (□ 25) 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.
- → TWAIN Driver is not installed properly. First uninstall the TWAIN Driver, then reinstall the driver from the DIGITAL VIDEO Solution Disk (remove the check marks from the other programs when prompted to select the programs to be installed).

ZoomBrowser EX Operation

Cannot download still images.

- → The camcorder is not set to the correct mode. Set the camcorder to still image playback mode.
- Image files or folders do not appear in ZoomBrowser EX.
 - → Images or folders shown in ZoomBrowser EX and the actual file contents may be different when an image file has been moved or copied using Windows functions or edited with a separate program. Click the [View] menu and select [Refresh Current Folder].

TWAIN Driver Installation Windows 2000

- **?** Cannot install the TWAIN Driver correctly.
 - → Does the system have a built-in USB port and did it come with Windows 2000 preinstalled? Refer to System Requirements (□ 5).
 - → Camcorder is not correctly connected to the computer. Read Connecting the Camcorder to a Computer (□ 25) and check the connection.

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

- → Are you using the power adapter to power the camcorder?
- ➔ If the problem is not mentioned above, the TWAIN Driver may not have been recognized by Windows.

Uninstall and reinstall the driver.

TWAIN Driver Uninstallation Windows 2000

If you have problems when uninstalling the driver, use the following procedure to remove it. Leave the camcorder connected to the computer.



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.



Use the procedure below for the following circumstances too.

- If you do not find [Scanners and Cameras] in the [Control Panel] or [Printers and Other Hardware].
- If [Canon Camera] or your camcorder model name does not appear in the [Scanners and Cameras Properties] or [Scanners and Cameras].
- If you connected the camcorder to the computer via the USB cable before installing the Digital Video Software.
- **1** Click the Windows [Start] menu and select [Settings] and [Control Panel].
- **2** Double-click the [System] icon.
- **3** Click the [Hardware] tab.
- **4** Click the [Device Manager] button.
- **5** If [Canon Camera] or your camcorder model name appears under the [Other Devices] and/or [Imaging Devices] categories, use the following procedure to delete it.
 - 1. Select [Canon Camera] or the name of the camcorder model, right-click the mouse button and select [Delete].
 - 2. In the confirmation dialog, click [OK].
 - Click [OK] to close the [System Properties] dialog. Remove all copies of [Canon Camera] or your camcorder model name that appear in the [Other Devices] or [Imaging Devices] categories, or that appear more than once in one category.
- **6** Double-click the [My Computer] icon on the desktop, followed by the [C:] drive, and the [Winnt] and [Inf] folders. If the [Inf] Folder Is Not Visible in the [Winnt] Folder

Use the following procedure to show all files and folders.

- 1. Click the [Tools] menu and select [Folder Options].
- 2. Click the [View] tab.
- 3. In the [Advanced setting] section, set the [Hidden files and folders] category to the [Show hidden files and folders] option. If [Hide extensions for known file types] is selected, remove its check mark.
- 4. Click [OK] to close the dialog.This makes the [Inf] folder and the files in the [Inf] folders visible.

7 Look for the file for Canon digital camcorders starting with [Oem*].

- A number such as "0" or "1" will appear in place of the asterisk (*) above. You will also find another file called [Oem*.pnf], which will have the same number as the [Oem*.inf] file. The two constitute one set.
- There may be many file sets starting with "Oem".
- If you double-click an [Oem*.inf] file, the Windows Notepad program will start and show the file contents. Click each [Oem*inf] file until you find one that contains "*** Canon Camera Driver Setup File***" in its first line. When you find the correct file, note down its name and close the Notepad window.

8 Delete the [Oem*] file set.

Delete all [Oem*.inf] and [Oem*.pnf] files, taking great care to delete the correct files.

If You Were Using ZoomBrowser EX Version 2 or 3 (This manual explains version 6.x)

Titles and comments added using a prior version than ZoomBrowser EX version 4 do not appear in ZoomBrowser EX 4 or higher.

- ➔ Titles and comments added using a prior version of ZoomBrowser EX will not be displayed. Use the following procedure to display them.
 - 1. In Windows Explorer, open the [Program] folder under the folder in which you installed ZoomBrowser EX 4 or higher (C:\Program Files\ Canon\ZoomBrowser EX\Program).
 - 2. Double-click [dbconverter.exe].
 - Select the database you were using until now (C:\Program Files\Canon\ ZoomBrowser EX\Program) and click the [Start] button. Note that with ZoomBrowser EX 4 or higher, both titles and comments appear in the comment list.
- Cannot find the image folders saved with a prior version than ZoomBrowser EX 6.x.
 - ➔ Image folders saved under the [Program Files] folder (such as [Image Library One]) cannot be displayed in the Main Window's Folder Area of ZoomBrowser EX 4 or higher. Use the following procedure to display them.
 - 1. In Windows Explorer, open the [Program Files] folder under the folder in which you installed ZoomBrowser EX 4 or higher (C:\Program Files\ Canon\ZoomBrowser EX\Program\Image Library One).
 - 2. Select the image folder you wish to display and copy the folder to a different destination.



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The information in this manual is verified as of 1 January 2008.