

ZoomBrowser EX 4.6

Software User Guide



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NOTE

- This manual uses Windows XP screen shots and procedures in the explanations. The screen shots and procedures may appear slightly different if you are using another version of Windows.
- In this manual, the term "memory card" is used for CF cards, SD cards and PC cards.

This chapter covers the ZoomBrowser EX basics, such as starting the program, downloading images from the camera and printing them. It begins with the procedures for starting the program.

IMPORTANT

- This guide assumes that all the relevant software programs and drivers have been correctly installed on your computer. If they have not been installed yet, read the guides that accompanied your camera and install them before proceeding further.

Starting Methods

There are two ways to start ZoomBrowser EX: *“Starting by Connecting the Camera to the Computer”* and *“Starting by Clicking an Icon or Menu.”*

It is generally easier and more convenient to start it by connecting the camera to the computer.

However, you may wish to click an icon or menu to start it under the following circumstances.

- When you are using a memory card reader.
- When you wish to use ZoomBrowser EX without connecting a camera.
- When you are restarting ZoomBrowser EX with the camera still connected after the program has been closed once.

IMPORTANT

- With some versions of Windows, you may not be able to use the *“Starting by Connecting the Camera to the Computer”* method the very first time the camera is connected to the computer after it is booted up (owing to a limitation of Windows). In this case, start ZoomBrowser EX with the *“Starting by Clicking an Icon or Menu”* method. You may use the camera connection method from the second time onward.

Starting by Connecting the Camera to the Computer

You can start ZoomBrowser EX with this method by attaching the camera to the computer and preparing it to transfer data. Set the following Auto Start Settings the first time (only) that you connect the camera to a computer. If you have already set them, proceed to the steps on the next page.

IMPORTANT

- This method can only be used when the camera is connected to the computer with the interface cable.

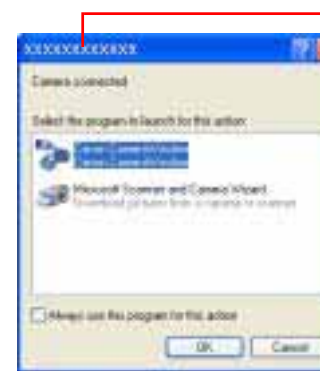
■ Settings for the First Connection to a Computer

1. Use the interface cable to connect the camera to the computer.

Please see the manual supplied with your camera for connection instructions.

With some models, the camera may need to be set to the playback mode to communicate with a computer. Consult the manual for these models to set the camera to the correct mode for communication.

A dialog similar to the following one (Events dialog) will appear. If it does not, read the *Troubleshooting* section in the *Appendices*.

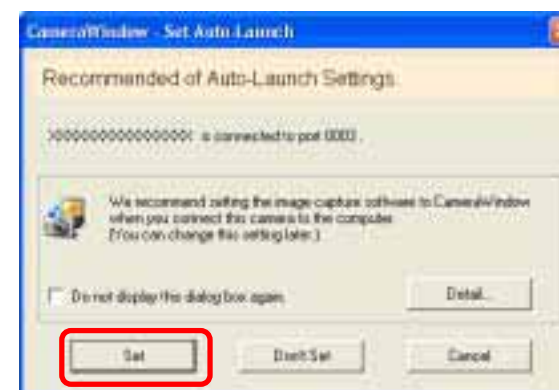


Your camera model name or "Canon Camera" will appear here.

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

3. Click [Set].

Once you click the Set button, this dialog will no longer appear when the camera is connected.



The dialog for Step 1 shown on the next page will now appear.

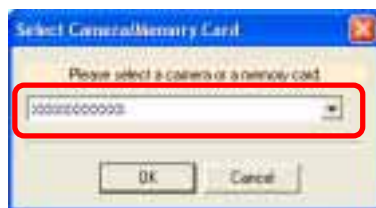
■ Procedures for Subsequent Connections to a Computer

IMPORTANT

- With some versions of Windows, you may not be able to use this method of starting ZoomBrowser EX the very first time the camera is connected to the computer after it is booted up. (The dialog shown to the right will not display even if you connect the camera to the computer correctly.)
In this case, start the program with the *Starting by Clicking an Icon or Menu* method.

REFERENCE

- If the Scanners and Cameras Wizard displays, close it and use the *Starting by Clicking an Icon or Menu* method to start ZoomBrowser EX.
- A device selection dialog will display if you have both a camera and a memory card reader connected at the same time. Confirm that your camera model name or [Canon Camera] appears in the list box and click [OK].



1. Use the interface cable to connect the camera to the computer.

Please see the manual supplied with your camera for connection instructions.

With some models, the camera may need to be set to the playback mode to communicate with a computer. Consult the manual for these models to set the camera to the correct mode for communication.

A dialog like the ones below will display.



The procedures from this point onward are described in the next topic, *“Downloading Images to a Computer”*.

Click [Browse Images with ZoomBrowser EX] if you wish to proceed to ZoomBrowser EX's main window and do not wish to download images.

The explanation about which method is used to download images after ZoomBrowser EX starts up automatically is contained in the *“Auto-Download Settings”* section of the *Appendices*.

Starting by Clicking an Icon or Menu

Use the following methods to start ZoomBrowser EX using its desktop icon or a menu.

■ The Icon Method

1. Double-click the [ZoomBrowser EX] icon on the desktop.



ZoomBrowser EX will start and open its main window.

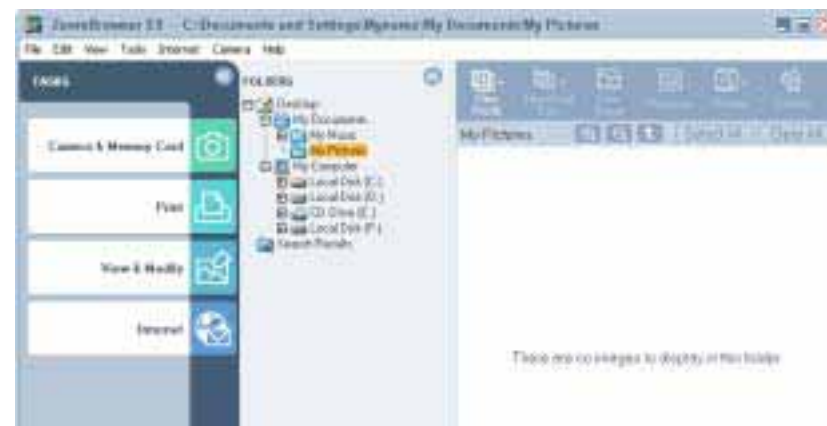


Main Window

The procedures for downloading images are described in the next topic, *"Downloading Images to a Computer."*

■ The Menu Method

1. Click the [Start] menu and select [All Programs] or [Programs], followed by [Canon Utilities], [ZoomBrowser EX] and [ZoomBrowser EX].
ZoomBrowser EX will start and open its main window.



Main Window

The procedures for downloading images are described in the next topic, *"Downloading Images to a Computer."*

Downloading Images to a Computer (1/4)

This section describes two methods for downloading images shot with a camera to a computer.

■ Downloading Images with Computer Commands

This method uses commands entered on the computer to download images from a memory card in a camera or in a memory card reader. This method can be used regardless of whether your camera supports the direct transfer function or not.

■ Downloading Images with Camera Commands

You can use this method to download images with cameras that support the direct transfer function.

Check to ensure that the computer and the camera or memory card reader are in the correct state for communication.

Using Computer Commands to Download Images

1. Read the dialog that displays.

If a dialog similar to the one below appears, proceed to Step 4.



* The dialog will vary slightly according to your camera model.

Proceed to Step 2 if ZoomBrowser EX's main window displays.

2. Click [Camera & Memory Card].



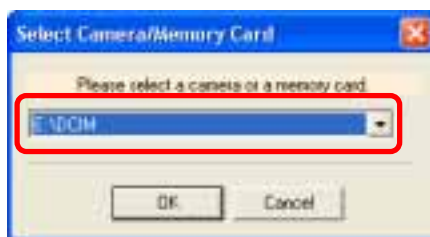
If you are using a memory card reader, check to ensure that the card is correctly inserted in the reader.

3. Click [Browse & Download Images].



REFERENCE

- A dialog will appear if multiple memory card readers are connected and loaded with memory cards, or if a camera and a memory card are connected concurrently, to allow you to select which images are shown from which device. In that case, select the desired device from the list box and click [OK].



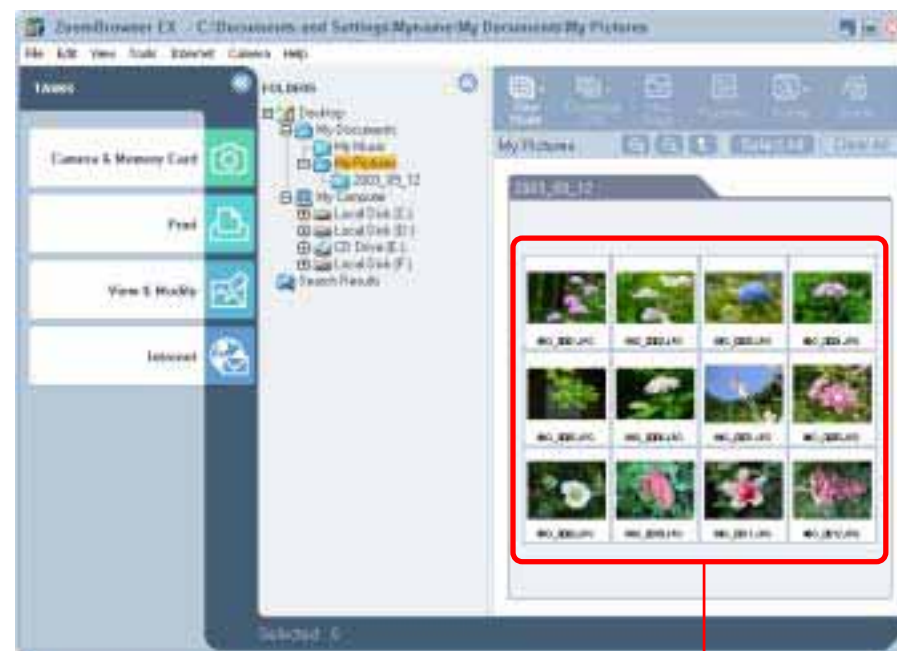
4. Click [Start Image Download].



REFERENCE


- You can view information such as the destination folder for images by clicking [Show Current Settings] in the window.
- By the default setting, the program downloads all the images that have not yet been downloaded.

The images will begin to download. The downloaded images will be saved into folders according to their creation dates. When the download is complete, the downloaded images will appear in the main window.



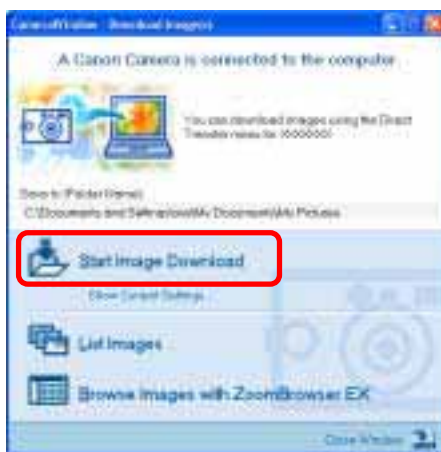
Downloaded images

Using Camera Commands to Download Images

You can download images using camera commands if your camera supports the direct transfer function (camera has a Print/Share button )

1. Read the dialog that displays.

If a dialog similar to the one below appears, proceed to Step 2. The Print/Share button will light up at this point and a direct transfer menu like the one shown at the lower right will appear in the camera's LCD monitor.

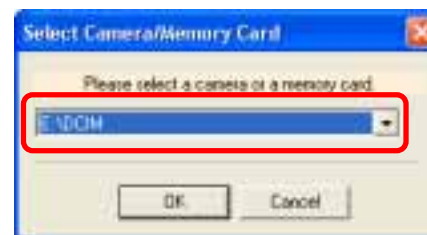


IMPORTANT

- The camera's Print/Share button cannot be used to download images if it is not lighted.

REFERENCE

- The dialog in step 1 will not display if the Camera Window or RemoteCapture Task window is open. Please close these windows.
- A dialog will appear if a camera and a memory card reader are connected concurrently to allow you to select the device from which images are shown. Select the desired device from the list box and click [OK].

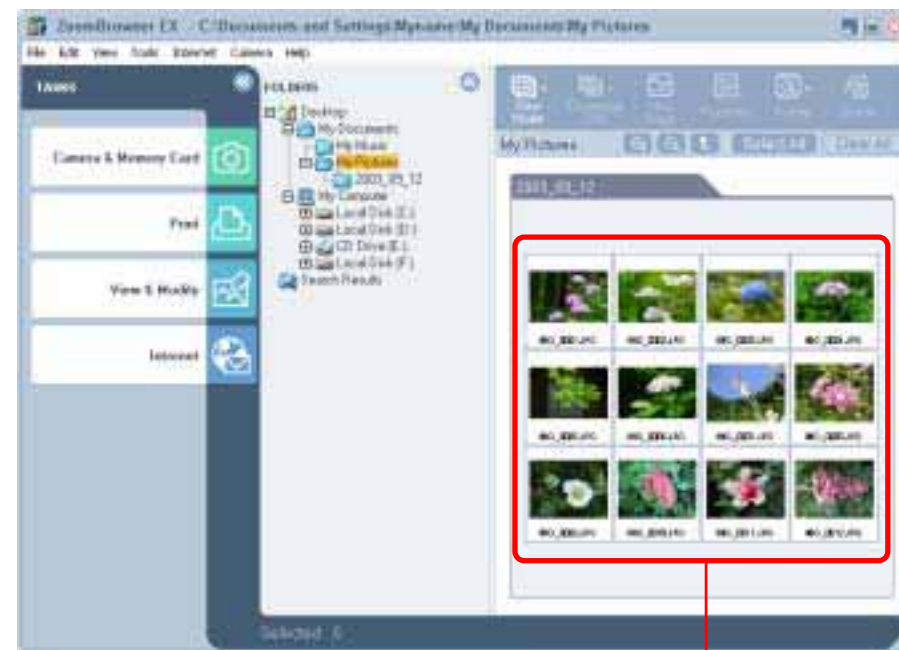


2. The image transfer will commence after you set the direct transfer setting on the camera.

REFERENCE

- See the *Camera User Guide* for the settings and procedures related to the Direct Transfer menu shown on the camera's LCD monitor.
- You can also download images by clicking the [Start Image Download] button on the program window on the computer instead of clicking the camera's Print/Share button.
- You can view information such as the destination folder for images by clicking [Show Current Settings] in the program window on the computer.
- By the default setting, the program downloads all the images that have not yet been downloaded.

The images will begin to download. The downloaded images will be saved into folders according to the shooting date. The images will display in the main window when the download is complete.



Downloaded images

You will use the PhotoRecord printing utility to print.

REFERENCE

- Images recorded in the Adobe RGB color space will appear unsaturated when printed using PhotoRecord. (Color space settings are only available on select camera models.)
- Please see the PhotoRecord Help menu for more details on using this program.

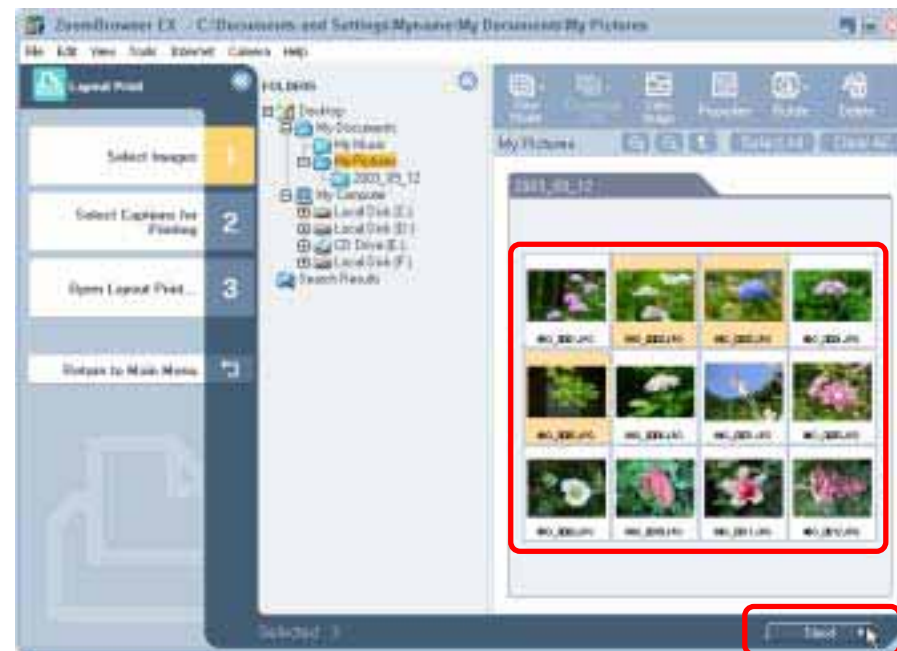
1. Click [Print].



2. Click [Layout Print] in the next menu.



3. Select the images you wish to print and click [Next]. The background of the selected images will turn orange.



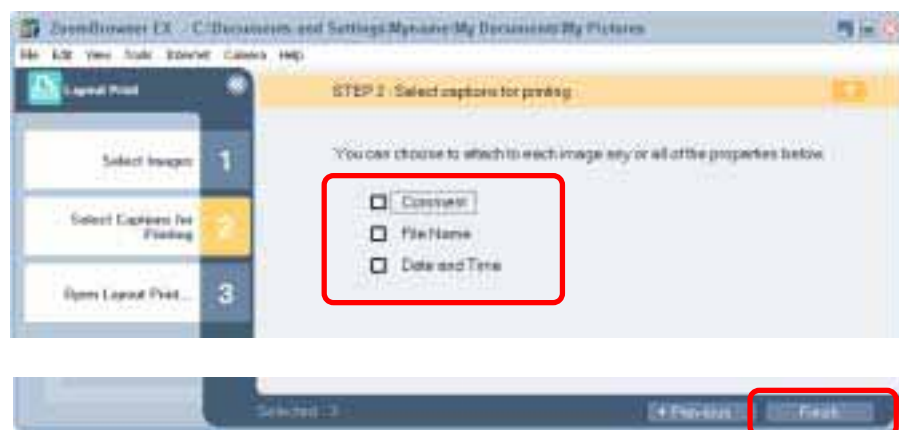
REFERENCE

- More than one image can be selected by clicking on successive images. To deselect an image, click it a second time.

4. Place a check mark in the boxes of the data you wish to include with the print (multiple selections are possible) and click [Finish].

REFERENCE

- See *Viewing Image Properties* in Chapter 4 to learn how to append comments to images.

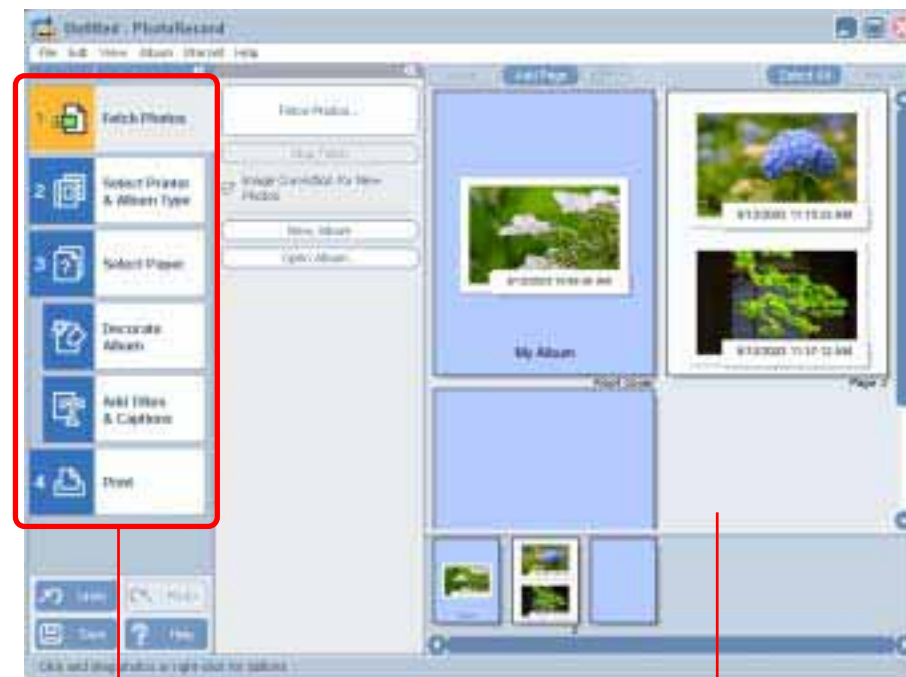


This will start PhotoRecord and display the print image in the album window.

REFERENCE

- If the PhotoRecord Guide displays at startup, read it as necessary.

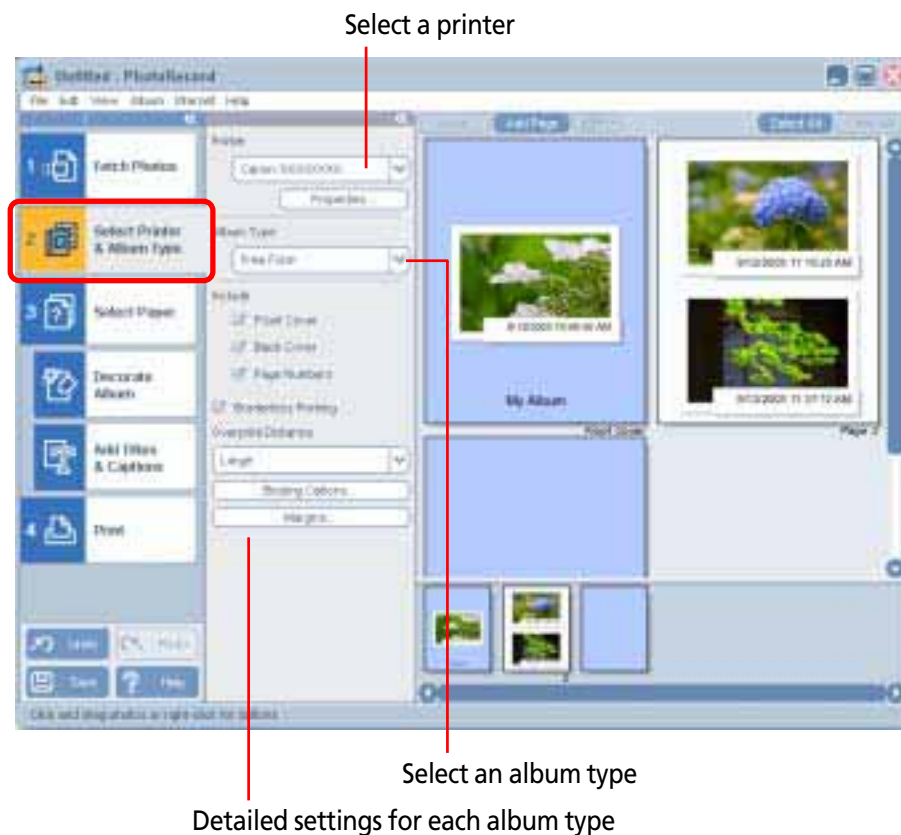
To operate PhotoRecord, follow the procedures displayed at the window's left.



The Steps in Order

Album Window

5. Click [2 Select Printer & Album Type] and select a printer and an album type.

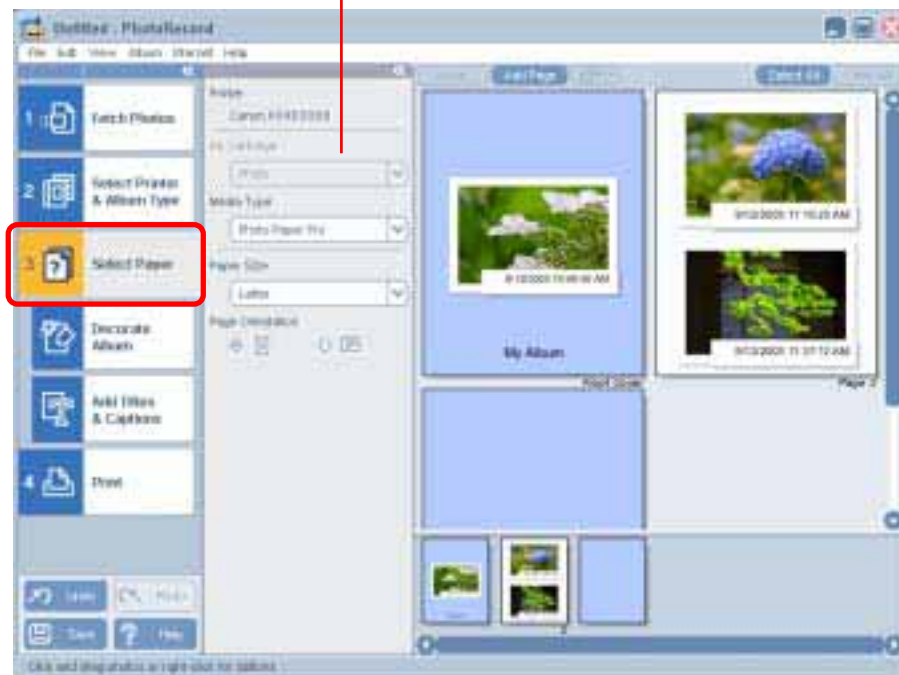


REFERENCE

- Select among the following album types. (The displayed album types may vary according to the printer in use.)
 - One Photo Per Page/One Photo Per Sheet
Prints one image on each sheet of paper.
 - Free Form
Allows images to be freely positioned on the page and printed.
 - Contact Sheet
Prints image thumbnails and their shooting information (Exif data) in a table format. The shooting information displayed in ZoomBrowser EX and the Exif data that can be printed using PhotoRecord differ slightly.
 - Fixed Size Photo
Prints images at the heights and widths you specify.
 - Mosaic
Prints a specified number of images in a spread.
 - Perforated Paper
Prints images on perforated paper.
 - 8-Sticker Label
Prints images on 8-label sheets.
- After you have selected the album type, you can set the detailed parameters for each album type in the area below, such as the margin placement and width and the number of images in an arrangement.

6. Click [3 Select Paper] and choose the media type, paper size and paper orientation.

Media Type and Paper Size Settings



REFERENCE

- The settings categories shown in this window may vary according to the printer in use.

7. Click [Decorate Album] and change the image background, frame and other design elements as desired.

Select an item to change



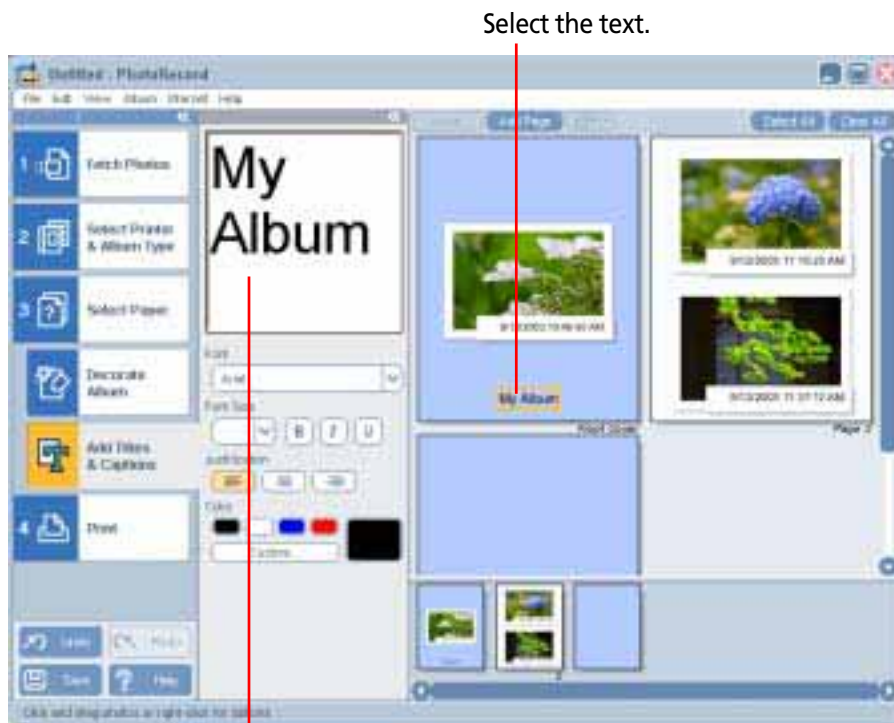
Select a design

REFERENCE

- The items that can be changed include the themes (a unified design for the background, photo frames and text frames, etc.) backgrounds, photo frames, text frames, and clip art.
- Select the target page, image or text first when choosing a background, photo frame or text frame.

8. Click [Add Titles & Captions] and change or add titles and text as desired.

Click on text that is already displayed to change it.



To add new text, click the target page and input the text.



REFERENCE

- You can also adjust the font, font size, justification and color as desired.

9. Change the size and rotation angle of the image, text or clip art as desired.

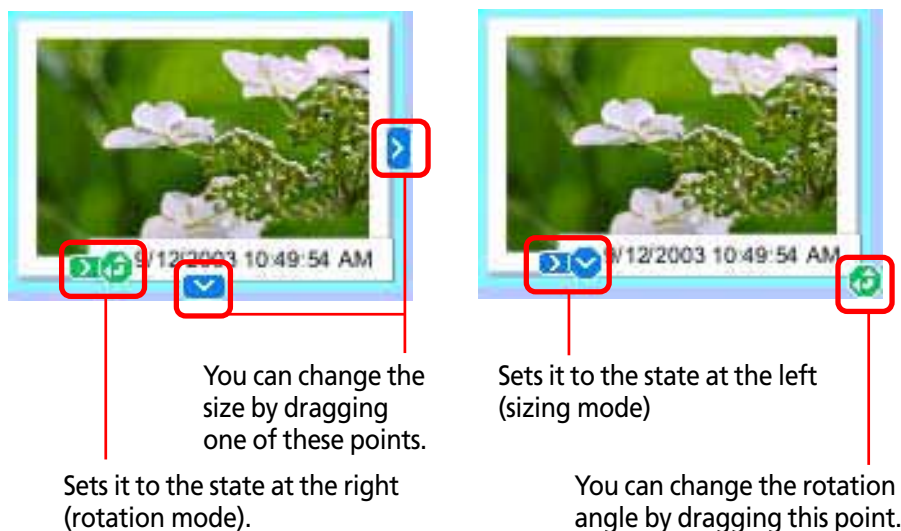
The following operations can be performed in the album window.

■ Move Items

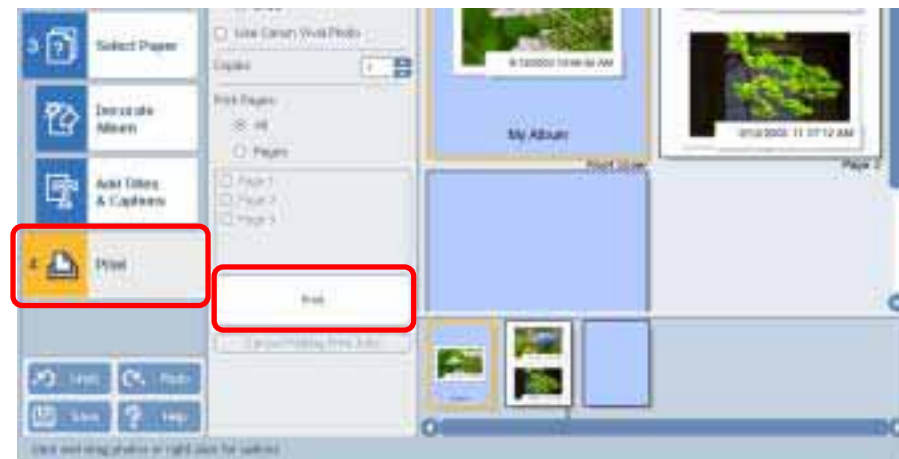
You can move images, text or clip art by dragging them.

■ Change Size or Rotation Angle

You can change the size or rotation angle of images, text or clip art by dragging the following points on them.



10. Click [4 Print], confirm the number of copies and other print settings and click [Print].



This starts the printing process.

To close PhotoRecord, click the (close box), or click the [File] menu and select [Exit].

REFERENCE

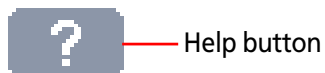
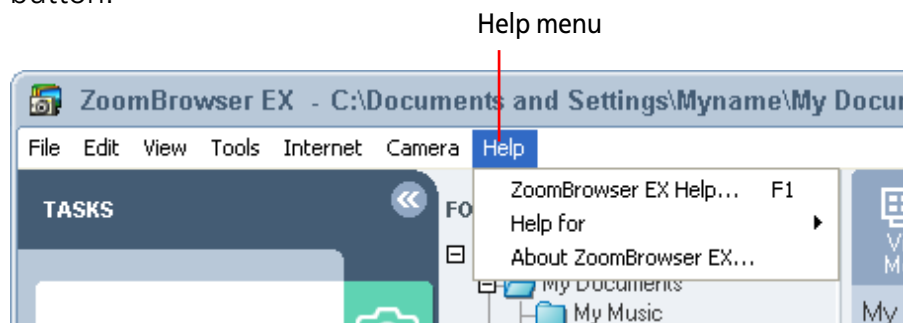
- Images captured by cameras that support the Exif 2.2 standard (nicknamed the "Exif Print" function) have the shooting settings data, such as the shooting conditions and shooting mode, embedded in them. You can obtain better prints by using this data to correct and print the images.
- PhotoRecord automatically performs image correction (default setting) on images shot by cameras that support the Exif 2.2 standard and on other image types, providing you with better print results.

In this section, we explain information that you should know to use ZoomBrowser EX.


If You Have a Problem

ZoomBrowser EX comes with a Help file. Use it when you want to learn how to do an operation, or when you want to know about the features of the program.

You can access Help from the [Help] menu or the [?] (Help) button.



Exiting ZoomBrowser EX

You can exit ZoomBrowser EX by clicking  (Close button) on the Browser Window. Alternatively, select [Exit] from the [File] menu.

This chapter explains the basic skills required to master ZoomBrowser EX. Let's begin with an overview of the main features.

Connect the camera to your computer to:

- Download images from the camera to your computer in an easy procedure.
- View an index of the images from the camera on the computer monitor.
- View information (shooting date and camera settings) about images stored in the camera.
- Use your computer to set up slide shows or DPOF print settings (not available on some models).
- Save computer images onto your camera.
- Operate the shutter of a camera connected to a computer via an interface cable to take pictures remotely, or to perform interval timer shooting after specifying an interval and the number of images to be taken (only on models supporting remote shooting).
- Convert RAW format images (change them to the TIFF or JPEG format and resave them). Adjust the brightness, contrast, color and other settings as you convert them. (Some camera models do not support RAW images.)

Use the file management features to:

- Categorize, sort and manage image files on your computer with easy procedures.
- Move or copy images.
- Perform simple editing such as cropping images or adjusting their colors.
- Create and edit movies, adding various effects: link movies and still images, superimpose titles and other text, and add background music.
- Run a slide show displaying the images in sequence in the full-screen mode.

Use the My Camera Settings function to:

- Save the My Camera Settings in the computer to the camera or vice versa.
- Handle newly created images and sounds as My Camera Settings.

REFERENCE

- The start-up image, start-up sound, shutter sound, operating sounds and self-timer sound are collectively called the My Camera Settings.
- The Canon CD-ROM supplied with your product contains several prepared My Camera Settings files. These files are automatically copied to your computer when you install ZoomBrowser EX.

By using other programs:

ZoomBrowser EX gives you additional power when you use it together with the following applications. (You can start these applications from within ZoomBrowser EX.)

■ PhotoRecord

- You can use this program to create and print beautiful layouts consisting of multiple images.
- You can select frames and backgrounds with a variety of designs.
- You can add text to images or pages.
- You can create original image albums.

■ PhotoStitch

- You can stitch multiple images (which were split and shot individually using functions like the camera's Stitch Assist mode) together to form a single, large size, panoramic picture.
- You can stitch images horizontally or vertically.
- If you shoot the surroundings in 360 degrees, you can later stitch the images to form a 360-degree cylinder. By saving this stitched image in QuickTime VR format, you can then get a virtual view of the various parts of the image.

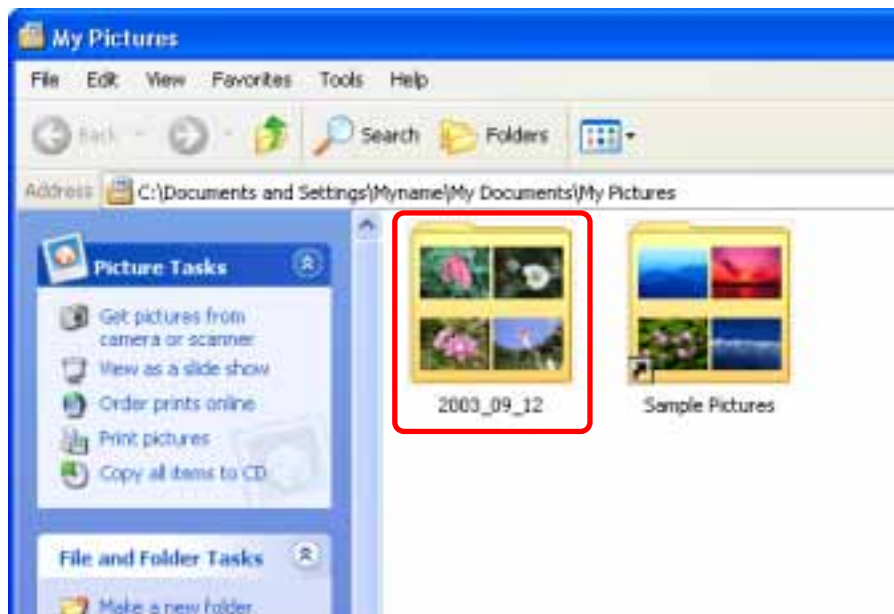
It is important to understand how folders are used in ZoomBrowser EX to store images.

Where Are Images Stored?

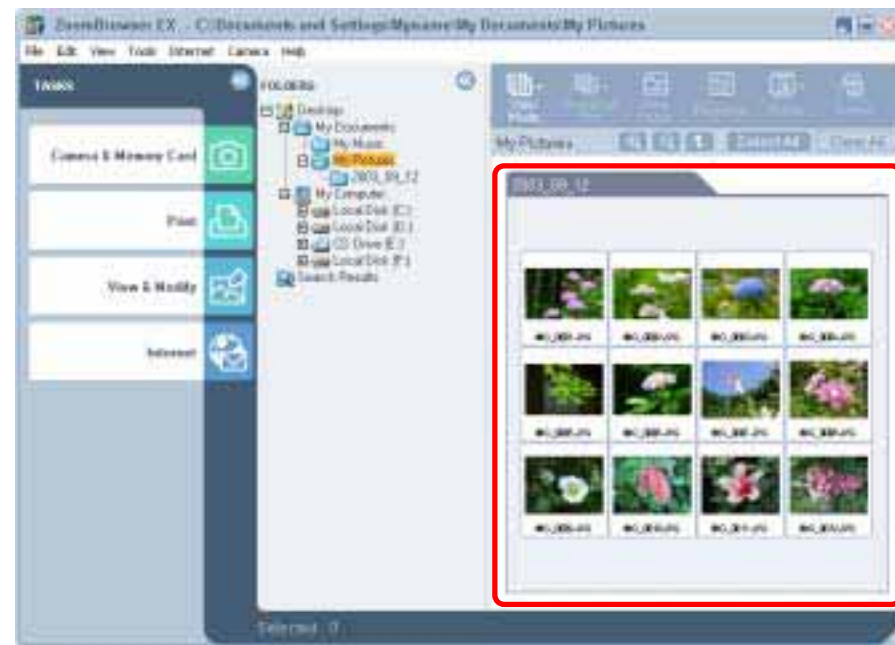
Use the following procedures to find out where image files are stored on your computer when they are downloaded from the camera.

1. Click the Windows [Start] menu and select [My Pictures].

Windows 2000/Windows Me/Windows 98 users should double-click the [My Documents] folder, followed by [My Pictures].



The images that you downloaded in Chapter 1, *Downloading Images to a Computer*, should be contained in the My Pictures folder. As you will note, the folders mentioned above also appear at the right of the ZoomBrowser EX window.



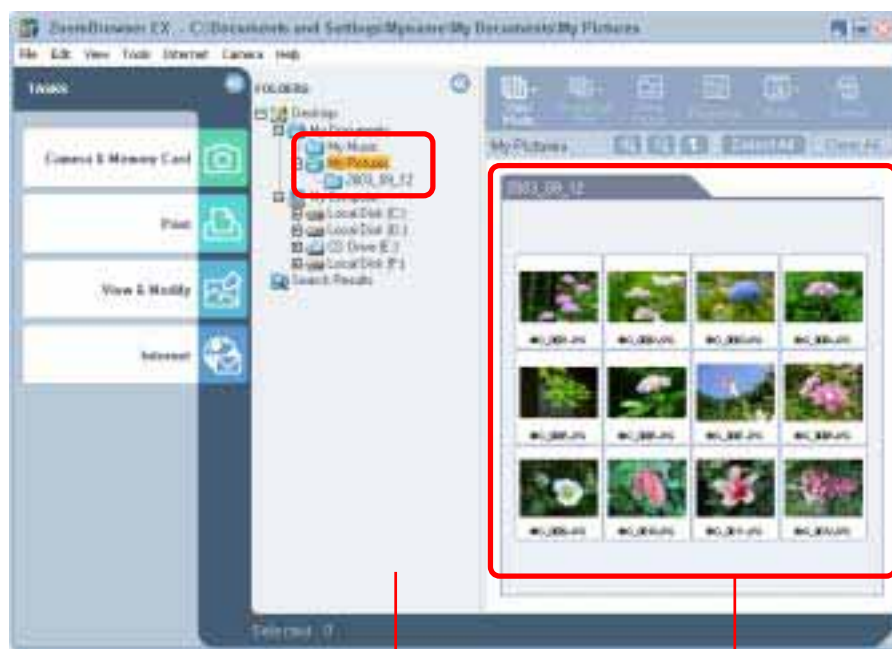
If you double-click the folders appearing in the Windows screen shot at the left, you will find image files and folders with the same names as those displayed in the ZoomBrowser EX window.

As this demonstrates, when you open a particular folder in ZoomBrowser EX and download images to it, or move images between folders, these changes are also happening in the corresponding folders shown by the Windows operating system.

Folders in the Browsing Area and Folder Area

Image thumbnails (tiny versions) are shown in the right-hand side of the ZoomBrowser EX window. This area is called the Browsing Area. The area in the middle, called the Folder Area, shows the folder directory much as it is shown in Windows Explorer.

The Folder Area shows all the folders on the computer. The orange colored folder is the currently selected folder. The images inside this folder are what are shown in the Browsing Area.

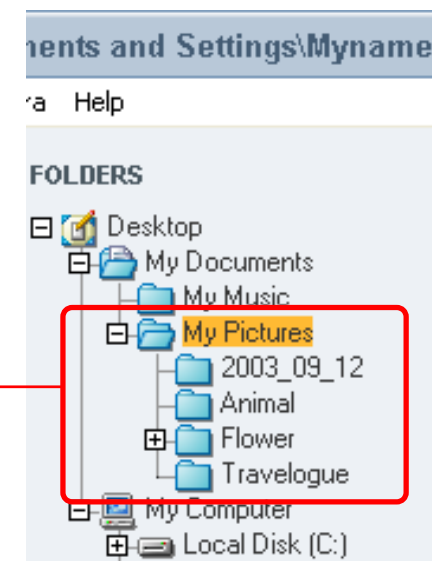


Folder Area

Browsing Area

Folders within Folders

You can create folders within folders, adding successive levels to provide detailed categories that make it easy to find and use your images.



Example of folders within folders
for categorizing images

REFERENCE

- Instructions for creating folders are included in Chapter 4.

IMPORTANT

- In ZoomBrowser EX 4, image files in folders within the Program Files folder (saved using ZoomBrowser EX 2 or 3) will not display. To display these images, follow the procedures in *If You Were Using ZoomBrowser EX Version 2 or 3* of the *Troubleshooting (2/4)* section.

This window is designed for managing images downloaded to the computer. It can also be used for various functions, such as printing and sending images by e-mail.

Main Window Components

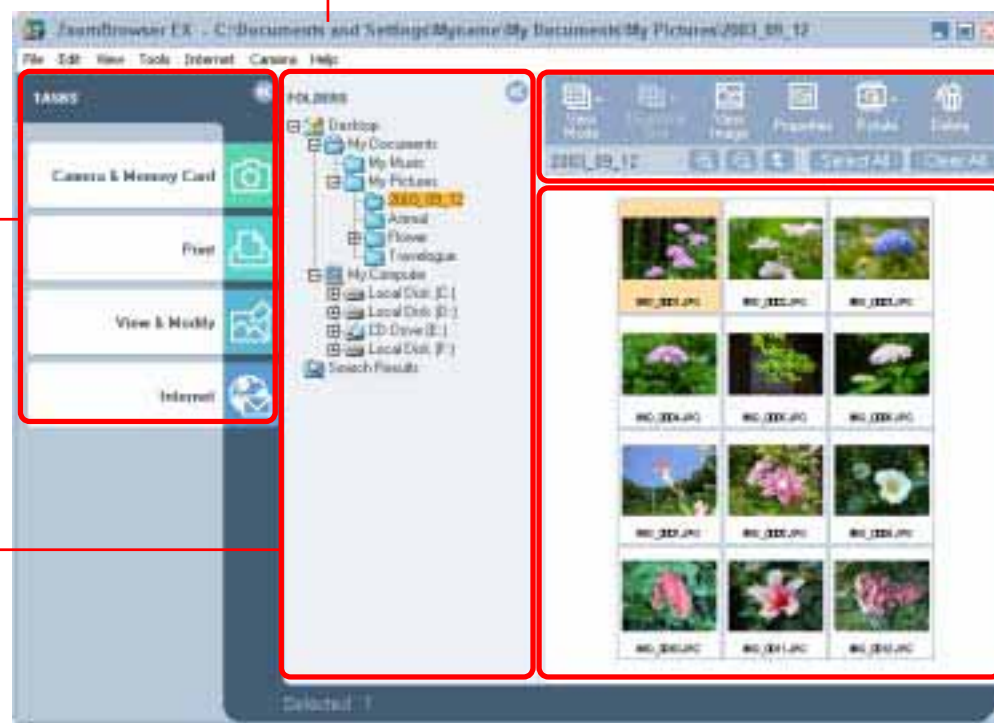
Path of the selected folder
(word string describing the location)

Task Area

Contains the buttons for frequently used tasks.

Folder Area

Displays all the folders in the computer. Use this area to select folders that contain images.



Switching to the Camera Window

To switch to the Camera Window, click the [Camera & Memory Card] task button, followed by [Browse & Download Images] in the next menu.

REFERENCE

- Images recorded in the Adobe RGB color space will appear unsaturated when displayed in ZoomBrowser EX. (Color space settings are only available on select camera models.)

Task Area and Task Buttons

The Task Area contains the four task buttons: Camera & Memory Card, Print, View & Modify and Internet. Click one of these buttons to perform the related task.

■ Camera & Memory Card

Click this to open the Camera Window or perform remote shooting.

■ Print

Click this to print images.

■ View & Modify

Click this to display images in a slide show or edit them.

■ Internet

Click this to attach images to e-mail messages.

When you click one of these buttons, the corresponding submenu to the right displays.



REFERENCE

- To return to the main window, click [Return to Main Menu] at the bottom of the menu.
- To switch from one task to another, click the appropriate icon



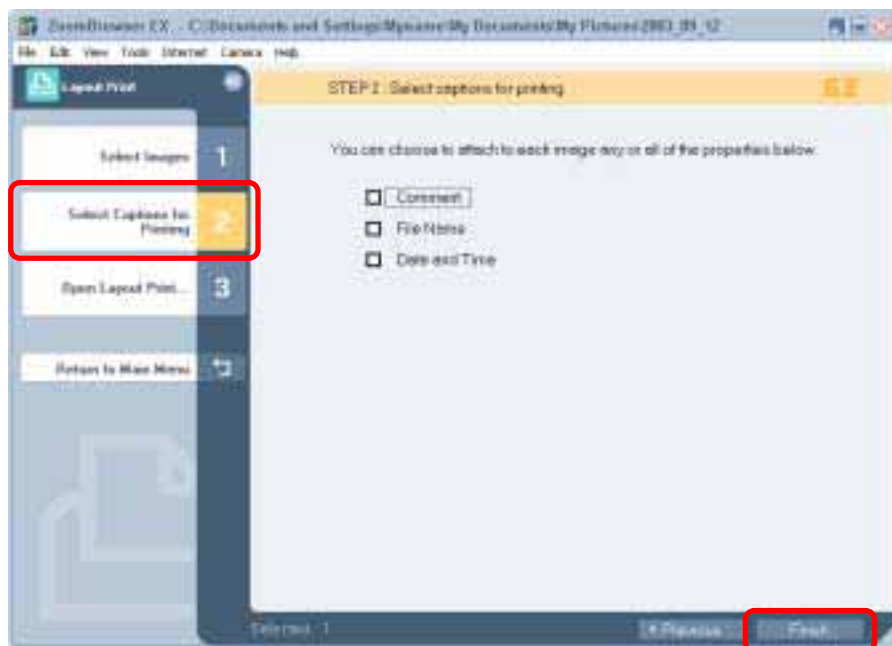
to the right of the task button.

Using the Task Windows

When you select a task from the menu, all of the steps in that task display in the task area.

Orange Button

This color marks the current step. Follow the instructions in the right-hand side of the window to proceed. When you have completed the step, click the [Next] or [Finish] button at the bottom right of the window to proceed to the next step.



REFERENCE

- Click [Previous] to return to the prior step.

Gray Buttons

Tasks that are selectable at the time are colored gray. The button turns dark gray when the mouse cursor is placed over it. You can switch between tasks by clicking another task button. However, if you have already finished selecting an image and you switch to the [Select Captions for Printing] task, you must click [Select Images] again to reselect the image.



Grayed Out Buttons

Grayed out buttons indicate tasks that are not available at the time. When you finish the task underway, the buttons will once again become selectable.



Function Buttons

The following buttons are available in the main window.



View Mode Button

Switches between the scroll mode, zoom mode and preview mode according to the context.



Thumbnail Size Button (scroll mode only)

Selects the size of images displayed in the Browser Area.



View Image Button

Displays the selected image at a larger size in the View window.



Properties Button

Displays information about the selected image.



Rotate Button

Rotates the selected image. Choose between 90° left, 90° right or 180°.



Delete Button

Deletes the selected image from the computer.



Zoom-In Button (zoom mode only)

Zooms in on images or folders in the Browser Area.



Zoom-Out Button (zoom mode only)

Zooms out from images or folders in the Browser Area.



Up Button

Advances one step up from a lower level folder.



Select All Button

Selects all the images and folders in the Browser Area.



Clear All Button

Deselects any images or folders selected in the Browser Area.

Chapters 3 and 4 explain more about the task and function buttons.

Changing the Display

You can hide the Task Area and Folder Area to make the Browsing Area larger.

■ Hiding the Task Area

Click the « button in the upper right of the Task Area to hide it and make the Browsing Area larger. Click the » button to redisplay the Task Area.

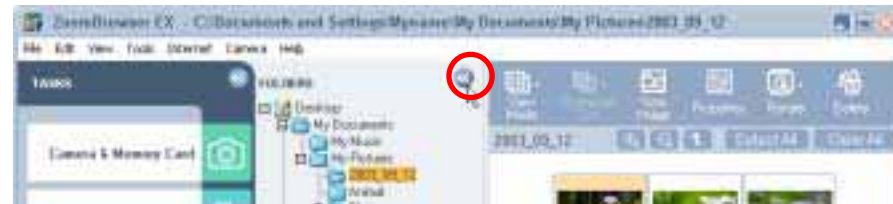


REFERENCE

- You can also hide the Task Area by clicking the [View] menu, selecting [Task Area] and removing the check mark beside it.

■ Hiding the Folder Area

Click the « button in the upper right of the Folder Area to hide it and make the Browsing Area larger. Click the » button to redisplay the Folder Area.



REFERENCE

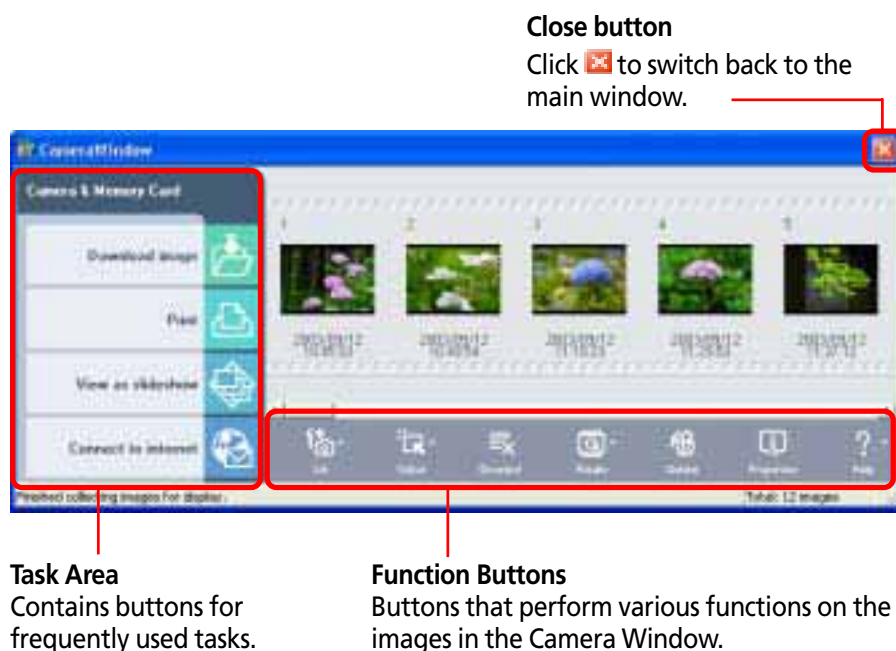
- You can also hide the Folder Area by clicking the [View] menu, selecting [Folder Area] and removing the check mark beside it.
- Both the Task Area and Folder Area can be hidden at the same time.

The Camera Window is used to view images contained in the camera (memory card) and to select and download images to a computer.

REFERENCE

- Images recorded in the Adobe RGB color space will appear unsaturated when displayed in ZoomBrowser EX. (Color space settings are only available on select camera models.)
- Methods for displaying and using the Camera Window are explained in Chapter 5.

Camera Window Components



Task Area and Task Buttons

The Task Area contains the four task buttons: Download images, Print, View as slideshow and Connect to internet. Click one of these buttons to perform the related task.

Download Image

Downloads the selected images to the computer.

Print

After the selected images have been downloaded to the computer, this button starts the printing process. A submenu like the one to the right appears when you click this button.

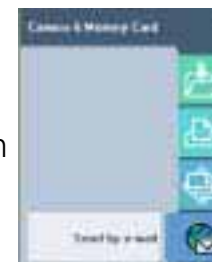


View as Slideshow

After the selected images have been downloaded to the computer, this button displays the Setup Slide Show window.

Connect to Internet

After the selected images have been downloaded to the computer, this button starts the process for creating e-mail attachments. A submenu like the one to the right appears when you click this button.



REFERENCE

- To switch from one task to another, click the appropriate icon



at the right of the task button.

Function Buttons

The following buttons are available in the Camera Window.



Set Button

Sets various settings, such as those for connecting to a camera. The following items are included in the submenu.

Reconnect
Camera Settings
Slide/DPOF
Add Image(s)
My Camera



Select Button

Selects images for further processing with other functions. Various selection methods can be chosen from the submenu.

Select All
Select New
Select Print mark
Select Send mark
Select Slide Show mark
Invert Selection



Deselect Button

Deselects a selected image.



Rotate Button

Rotates the selected image. Choose between 90° left, 90° right or 180°.



Delete Button

Deletes the selected image from the camera (memory card).



Properties Button

Displays information about the selected image.



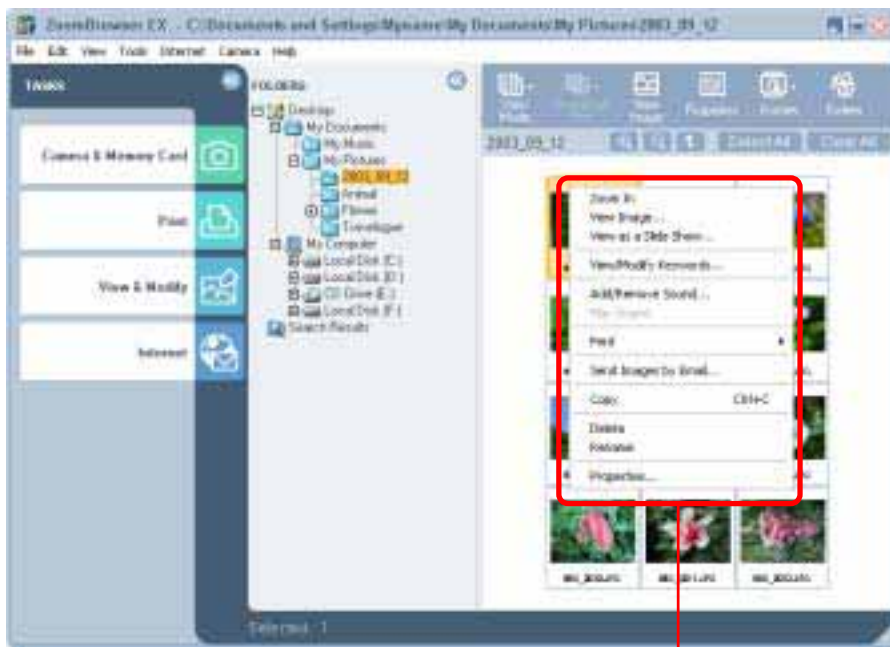
Help Button

Displays the help dialog.

Chapter 5 explains more about the task and function buttons.

With ZoomBrowser EX you can access many useful functions by using the right mouse button (right-click).

For example, if you right-click a thumbnail, the following shortcut menu appears.



Right-click anywhere on the image to display a shortcut menu.

A shortcut menu is a convenient collection of the most common window buttons and menu commands that apply to a given situation.

The right-click allows you to use ZoomBrowser EX more efficiently. After you become familiar with ZoomBrowser EX, try right-clicking in many situations and you will be impressed with its convenience.

Note that, in general, this manual does not cover operations using the right-click. (This is because explaining many shortcut menu variations would take too many pages of this manual.) However, there are a few operations that are only accessible by right-clicking. These operations are described on the corresponding pages.

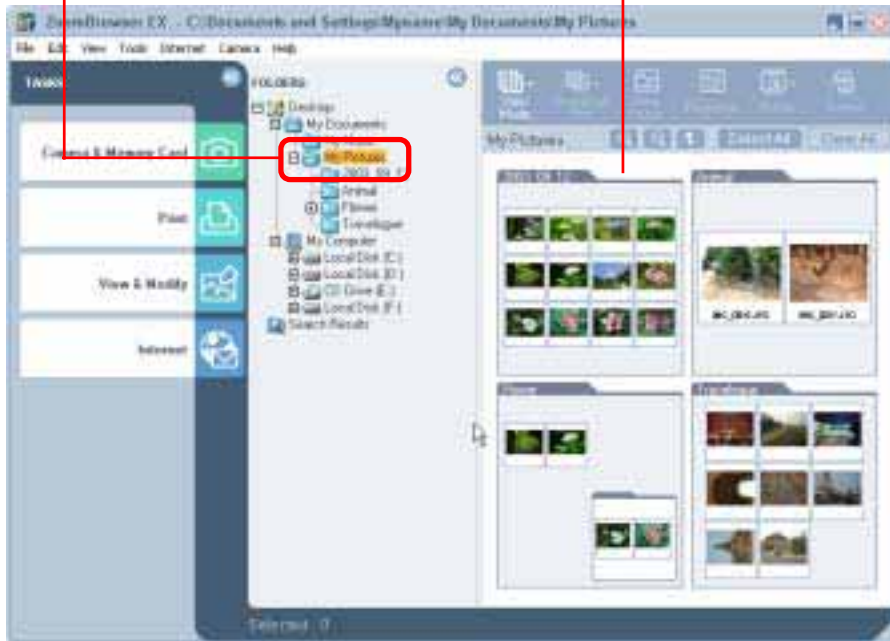
This chapter explains how to view and edit images in ZoomBrowser EX. In this section, you will learn how to use the Folder Area to select folders with images that you wish to view.

Selecting Folders





Click a folder in the Folder Area to view its contents in the Browsing Area.



Selected folder

Images from the selected folder display (if there are folders within the selected folder, those folders and their images are shown within a folder-shaped border).



Collapsing and expanding a folder


If a folder contains subfolders, you can use the  and  buttons to collapse or expand the folder. When you click the  button to collapse the folder, its subfolders are hidden. When you click the  button to expand the folder, its subfolders are displayed.

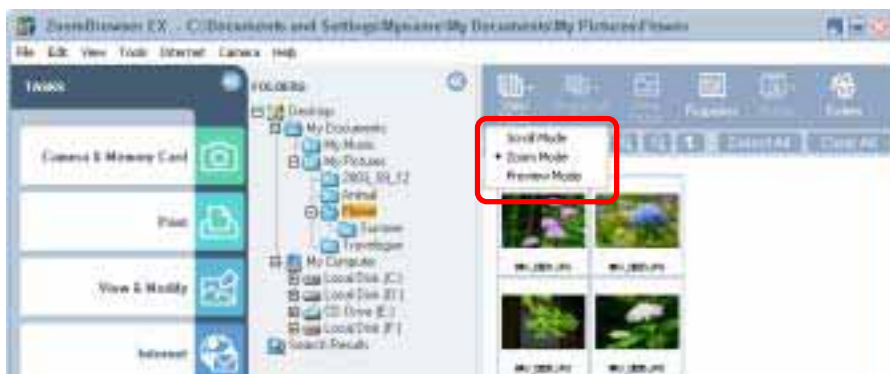
Click  to collapse a folder. Click  to expand a folder.




This section explains how to use the Browsing Area to open folders and search and view images.

Selecting a Display Mode

The Browsing Area features three display modes: the scroll mode, zoom mode and preview mode. The zoom mode is the default mode. To switch between modes, click  (View Mode) and choose an option from the menu that appears.

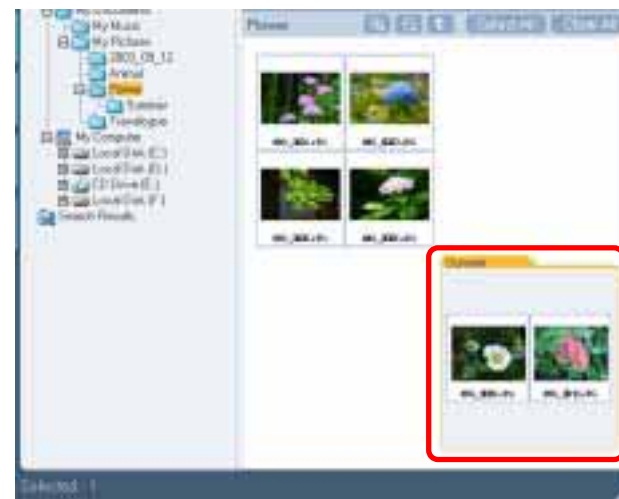


REFERENCE

- You can also switch between display modes by clicking the [View] menu and selecting one of the scroll mode, zoom mode or preview mode options.
- In scroll mode, you can change the image thumbnail size by clicking the  (Thumbnail Size) button (or by clicking the [View] menu and selecting [Thumbnail Size]) and selecting a size from the menu.

Zoom Mode

Zoom mode displays all the images in subfolders as well as the selected image folder.



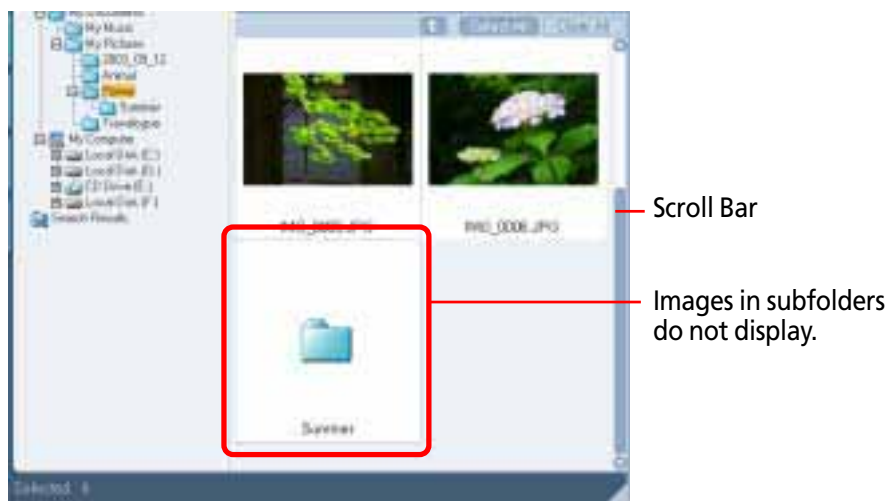
Images within nested folders also display (a folder-shaped border indicates a subfolder).

REFERENCE

- The procedures for changing the zoom speed are explained in the *Customizing Preferences (1/3)* section of the *Appendices*.
- It can be difficult to find a particular image when you have a multitude of folders and images. In this situation, you can use the Zoom mode to find a particular image by viewing all the folders and picking the most likely one to contain it.

■ Scroll Mode

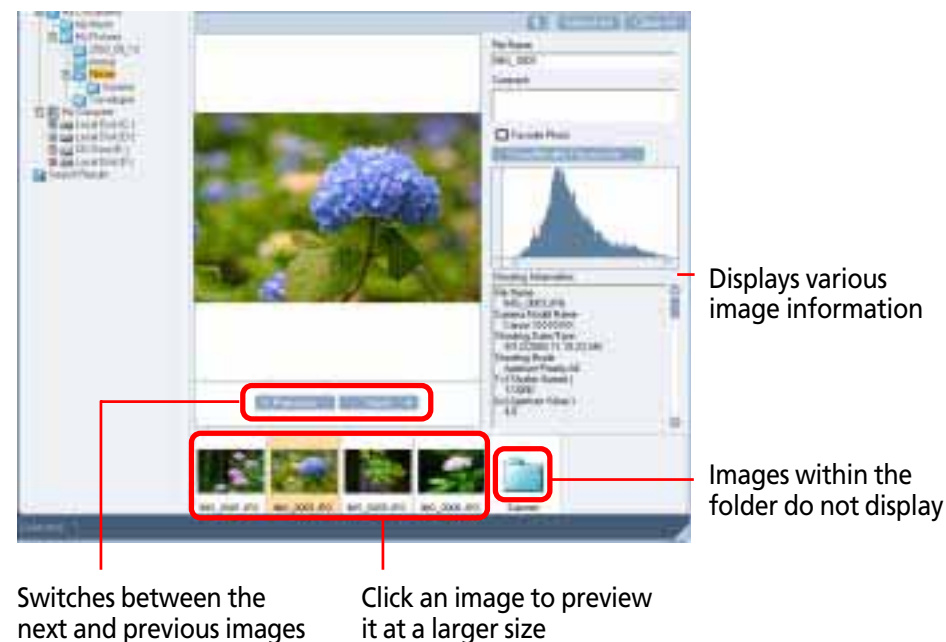
Scroll mode only displays the images in the selected image folder to show them at a larger size. A scroll bar will appear on the right side of the Browsing Area if all the images do not fit at once. If the image folder contains subfolders, only their icons display.



■ Preview Mode

This mode displays one image at a large size and information about the image.

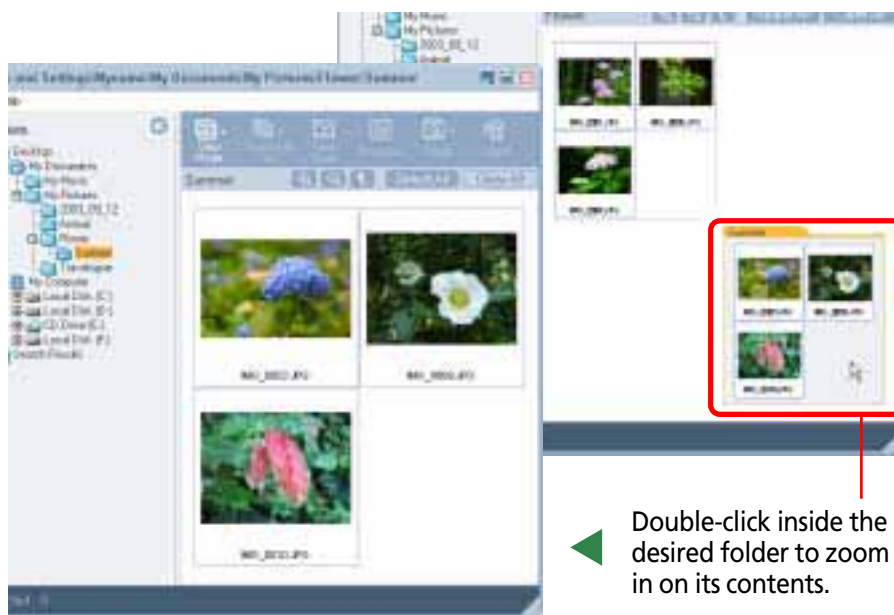
Select the image to preview from the bottom of the Browsing Area. You can also switch between preview images using the [Next] and [Previous] buttons.



Selecting Folders

■ Zoom Mode

In the Browsing Area, double-click an area where there is no image inside the folder you wish to see. The contents of the folder are displayed in the Browsing Area.

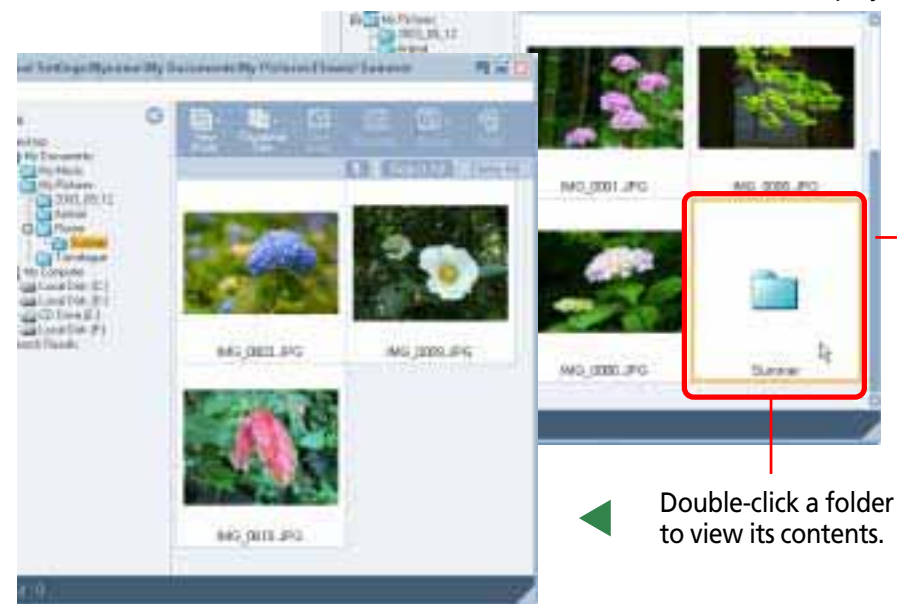


By repeating this step, you can go deeper and deeper into the folder hierarchy.

■ Scroll Mode

In the Browsing Area, double-click the icon of a displayed folder to view its images and subfolders.

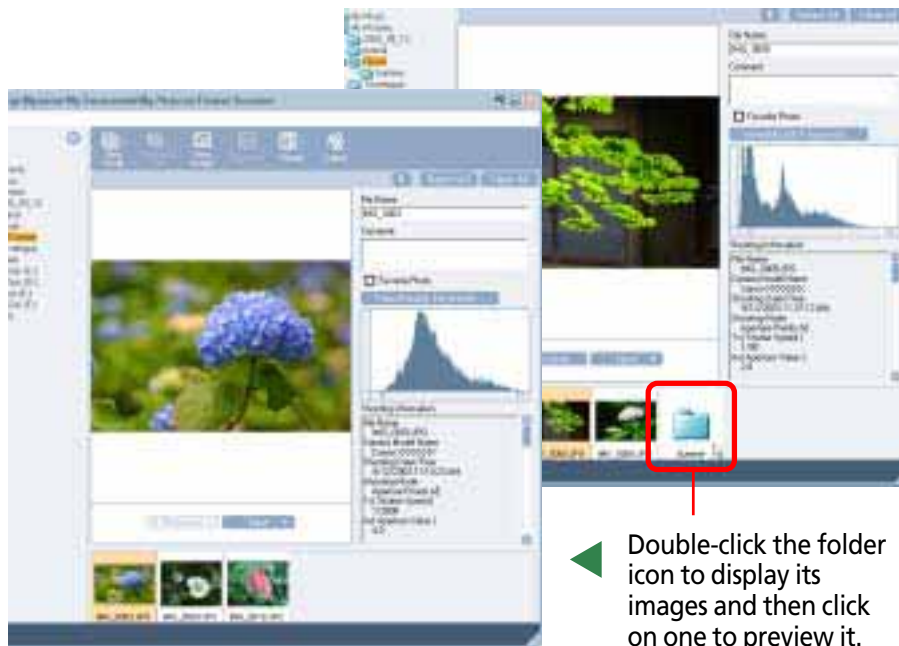
If a folder icon is not shown on the screen, click the scroll bar to display it.



By repeating this step, you can go deeper and deeper into the folder hierarchy.

Preview Mode


At the bottom of the Browsing Area, double-click the icon of a displayed folder to open it and view its images and subfolders.



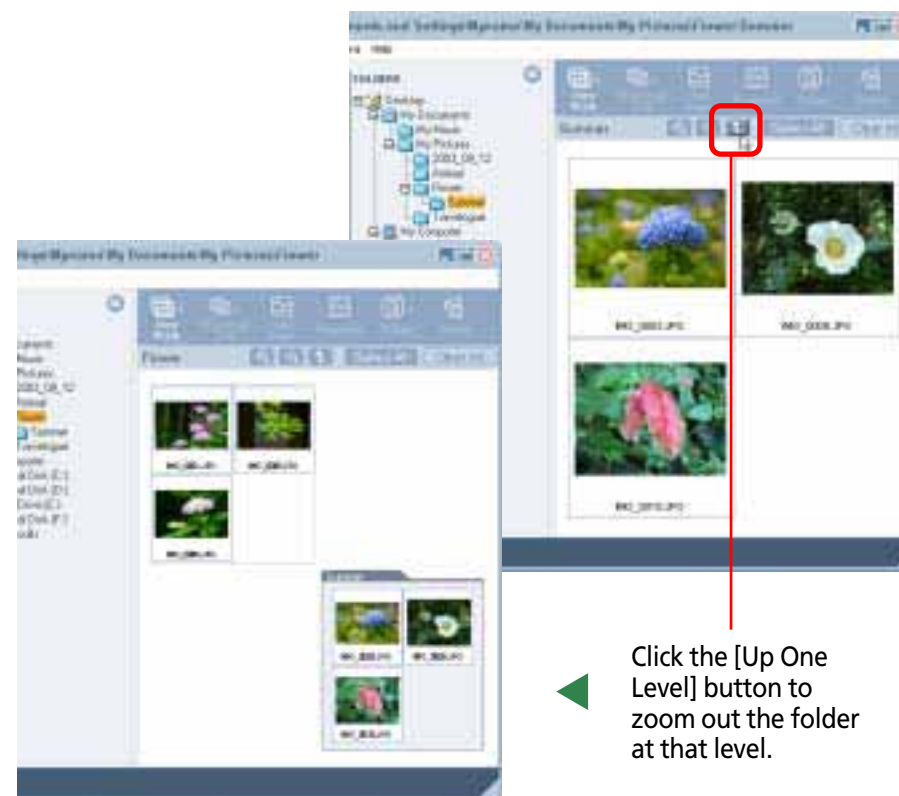
Double-click the folder icon to display its images and then click on one to preview it.

By repeating this step, you can go deeper and deeper into the folder hierarchy.

Returning to a higher level in the folder hierarchy

When you are deep in the folder hierarchy, you can use the  (Up) button to go back to a higher level.

The example below shows the zoom mode, but the procedure is the same for the other display modes.



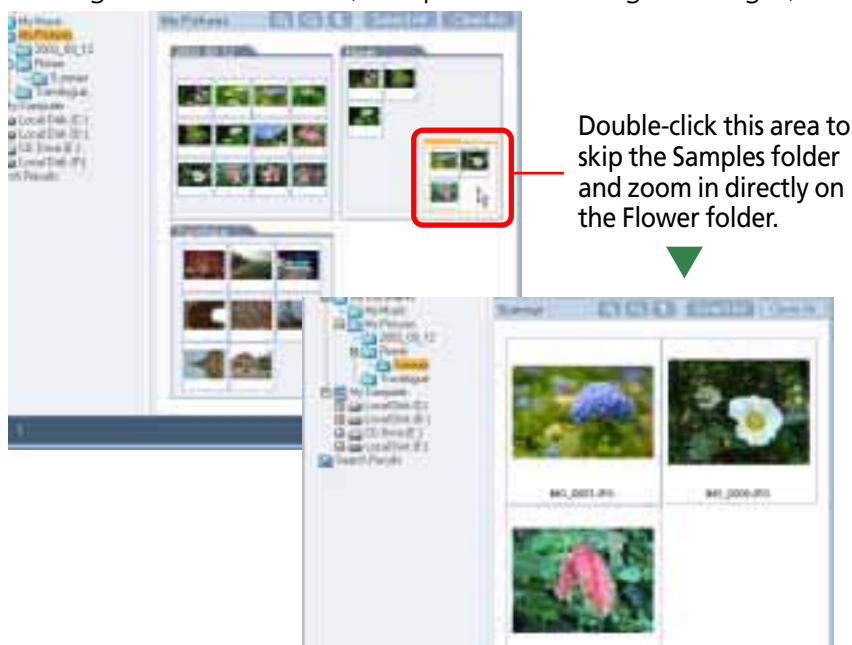
Click the [Up One Level] button to zoom out the folder at that level.

In Zoom mode, you can do this



There are more convenient ways to use the Zoom mode.

■ Zooming in by skipping levels

You can zoom in directly on a subfolder displayed in the Browsing Area without going through each successive level by double-clicking within the folder (on a point containing no images).

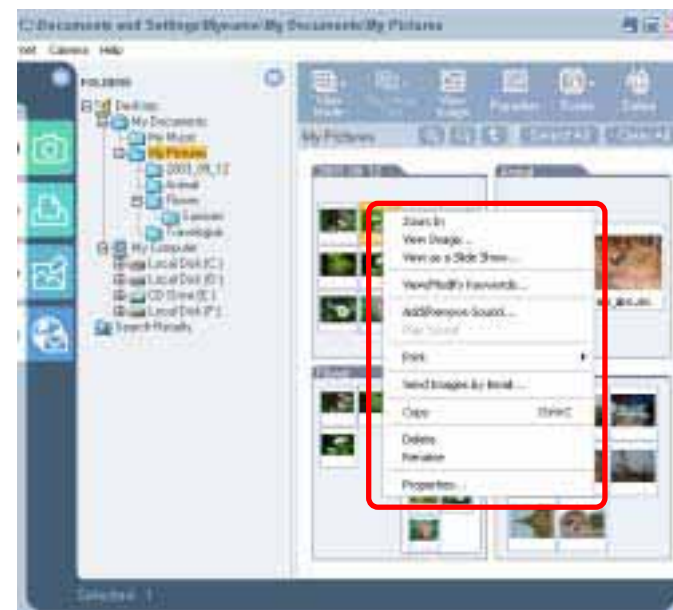


■ Using the Zoom-In or Zoom-Out Cursor

Click  in the function buttons to change the mouse cursor into a magnifying glass. You can then zoom in on a folder or image in the Browsing Area by clicking it with this cursor. Click the  button to zoom out.

■ Right-Clicking to Zoom In or Out

Right-click on any clear area in the Browsing Area to display a menu like that below. You can zoom an image or folder in or out by selecting the respective [Zoom In] or [Zoom Out] option from this menu.



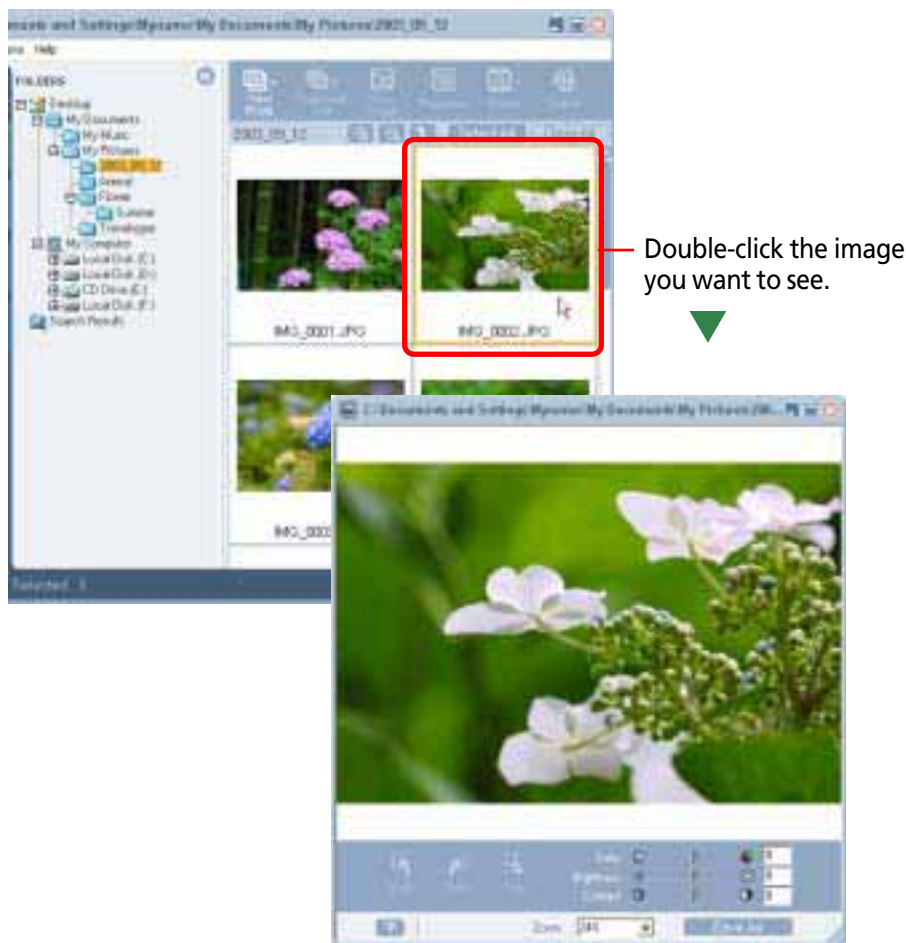
REFERENCE

- You can get the same result by using the [View] menu. Click a folder. Then, on the [View] menu, click [Zoom In] or [Zoom Out].


This section explains how to open images displayed in the Browsing Area.

How to open an image


In the Browsing Area, double-click the image that you want to open. The image appears in a new window.



REFERENCE

- After selecting an image, you can click  (View Image) to open the image.
- You can also open an image by selecting it, clicking the [View] menu and selecting [View Image].


Opening multiple images

Continue to double-click successive images or hold down the [Shift] key while you click on successive images. Then click  (View Image) to open all the images simultaneously.

REFERENCE


- A confirmation dialog will display if you attempt to open more than five images at one time.

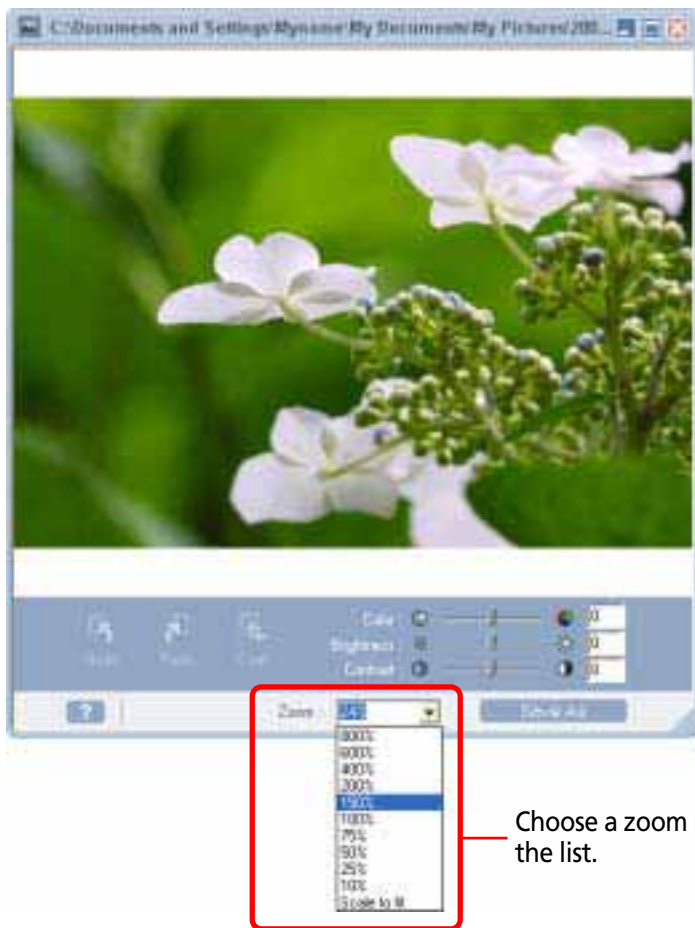
Closing an image

Click  (Close button) on the image window to close the image.

This section explains how to zoom an image.

How to select a zoom ratio

Click the  at the bottom of the window to open a submenu and click an option to change the display to that zoom ratio.



Choose a zoom ratio from the list.

Scaling to the window size

You can scale the image to fit the window size. From the zoom ratio list, click [Scale to Fit]. The image is adjusted to the size of the window.



The mouse cursor changes to an arrow when you place it here. Click and drag in this state to change the window size.

Typing a zoom ratio

You can display an image at a ratio you set by typing a value in the zoom ratio box and pressing the [Tab] or [Enter] key.



Enter a value (%) and press the [Tab] or [Enter] key.

This section explains how to edit an open image.

Edit Panel Features

An edit panel for revising images displays beneath images that have been opened.



Edit Panel

Using the edit panel, you can perform the following editing operations.

■ Crop

Crop the image, cutting out parts that are not needed.

■ Color, Brightness, Contrast

Change the image appearance by adjusting color density, brightness, and contrast.

■ Undo, Redo

Undo or redo the previous editing operation. This allows you to try various changes until you are satisfied with the image.


■ Save As

After you have modified an image, you may want to save it under a different name. This function allows you to do so.

See the following pages for detailed descriptions of these functions.

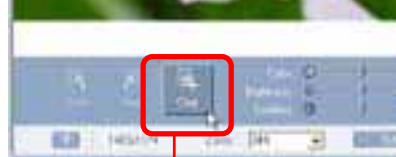
■ Crop

Use this function to extract only part of an image, leaving out unneeded portions.

Place the mouse pointer within the image you want to crop. Click and drag to form a rectangular frame. Then, click  (Crop) to extract the area within the frame.




① Drag to frame the area for cropping.




② Click this button.

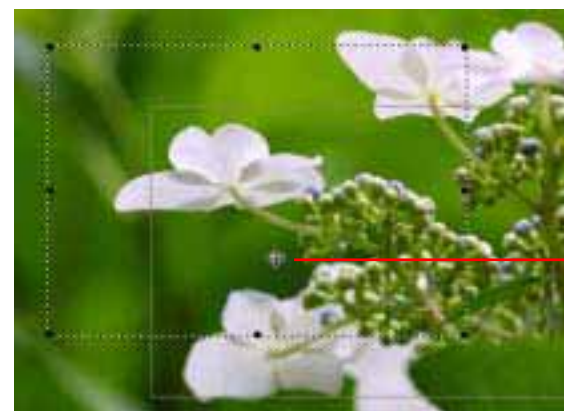


REFERENCE

- You can drag any of the anchor points  located along the frame to adjust the size of the area for cropping. Also, if you want to change the position of the whole frame, place the mouse pointer within the frame and drag it.



Drag the anchor points  to adjust the size of the area for cropping.



Drag within the frame to adjust position of the frame.

Color, Brightness and Contrast

You can adjust the color (saturation), brightness or contrast by dragging the respective slider in the edit panel.

REFERENCE

- You can adjust the color (saturation), brightness and contrast by entering a value in the box beside the slider and pressing the [Tab] or [Enter] key.



Decrease color saturation



Increase color saturation



Decrease brightness



Increase brightness






Decrease contrast



Increase contrast



Undo, Redo

After you edit an image, the result may not satisfy you and you may want to go back to the previous step. In this case, click  (Undo) to cancel the operation and return to the previous step. Keep clicking  (Undo) to continue going back. If you feel that you have undone too many steps, you can reverse it by clicking  (Redo).

Save As

After you have modified an image, you can save it under a different name so that the original image remains intact. Click [Save As] to display the Save As dialog. Type a new name and specify the kind of file and the image quality. Then, click [Save].




Click this button.

Overwriting the original image

After you have modified an image file, you can save it under the same file name (overwriting the original image). In this case, click [Save As]. When the Save As dialog box appears, type the same name as the one of the original image. (To find out the name of the original image, check the title bar of the image window.)

REFERENCE

- After you have modified an image, if you click  (Close button) without saving the changes, a message appears to prompt you to save the edited image.



To save the changes, click [Yes]. When the Save As dialog box appears, type a name and specify the kind of file and the image quality. Then, click [Save].
If you do not want to save the changes, click [Cancel].

This section explains how to edit an image selected in ZoomBrowser EX using another image editing program that has been registered with ZoomBrowser EX.

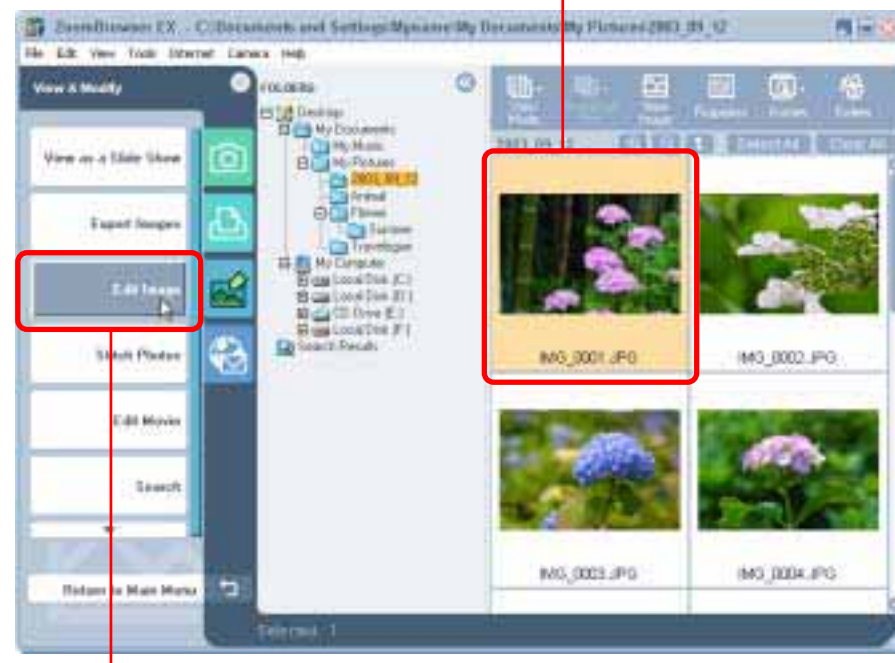
REFERENCE

- If you installed the image editing program included with your product (contained on a CD-ROM other than the Solution Disk), it should automatically be registered in the ZoomBrowser EX menu.
- The procedures for registering programs are included in the *Image Editor Tab* section of the *Customizing Preferences (2/3)* topic in the *Appendices*.

How to edit an image with other programs

Click [View & Modify] in the main window, followed by [Edit Image] in the next menu.

① Select an image.



② Click this.

This will start the image editing program and open the selected image in it.

REFERENCE

- You can also open an image after you have selected it by clicking the [Edit] menu and selecting [Edit Image].

This chapter explains how to manage images effectively with ZoomBrowser EX. It starts with the method for creating a new folder within an existing one.

Creating Folders

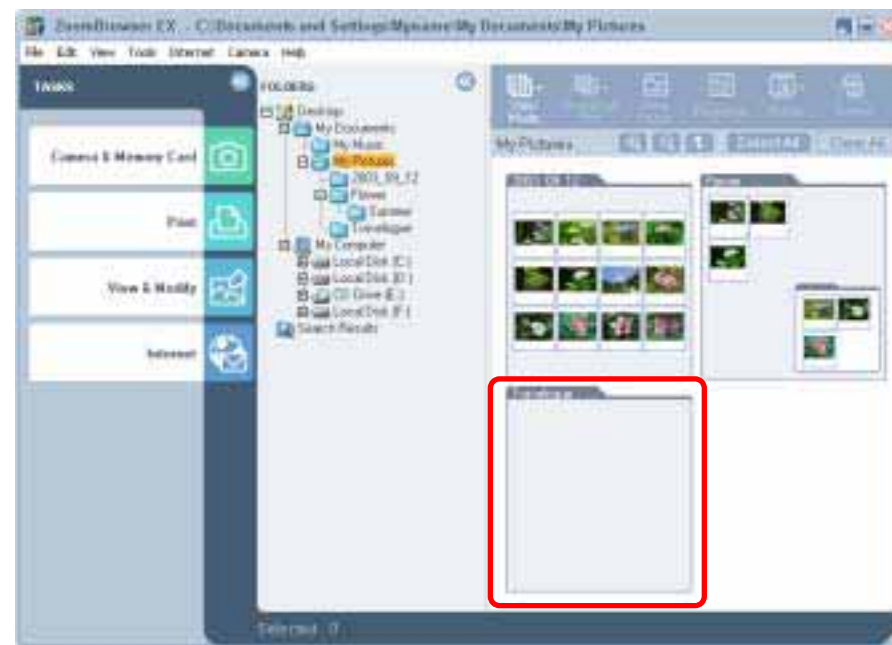
1. Select a folder in the Folder Area.
You will be creating a new folder within the folder selected here.



- 2 Click the [File] menu and select [New Folder].



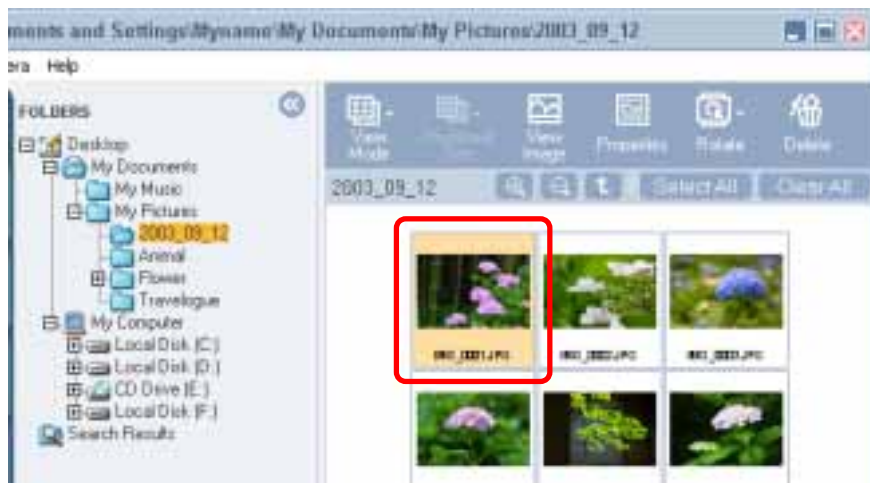
3. Type a name for the new folder and click [OK].
You have created a new folder.



This section explains how to select images in the Browsing Area.

Selecting a Single Image

Click on an image to select it. The background color of the selected image(s) will change to orange.



REFERENCE

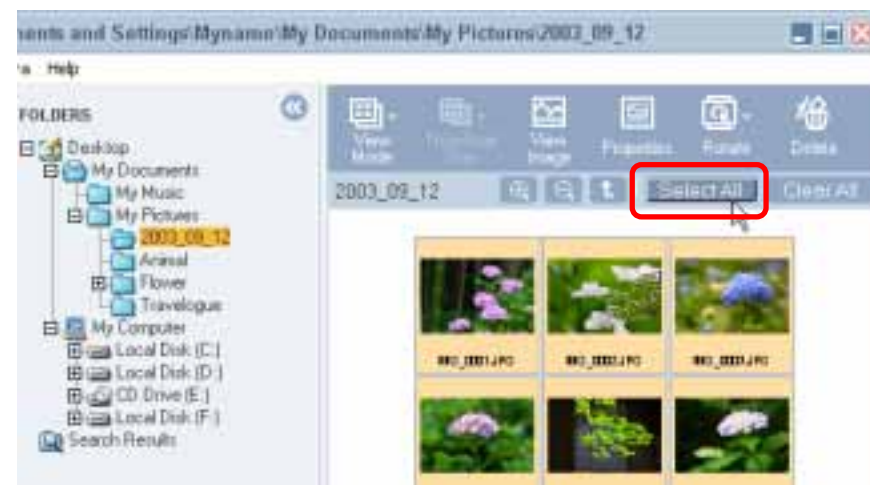
- To deselect an image, click it again.

Selecting Multiple Images

To select more than one image, continue clicking on successive images. You can select a series of adjoining images in one step by holding down the [Shift] key while you click the first and last images.

Selecting All the Images

Click **Select All** (Select All) at the top of the Browsing Area to select all the images in a single step. You can also click the [Edit] menu and choose [Select All].



REFERENCE

- Click **Clear All** (Clear All) at the top of the Browsing Area to deselect all the images at once.
- You can also deselect all the images at once by clicking the [Edit] menu and choosing [Clear All].
- You can change the selection methods to standard Windows selection methods. See the *Selection Tab* topic in *Customizing Preferences (2/3)* in the *Appendices*.

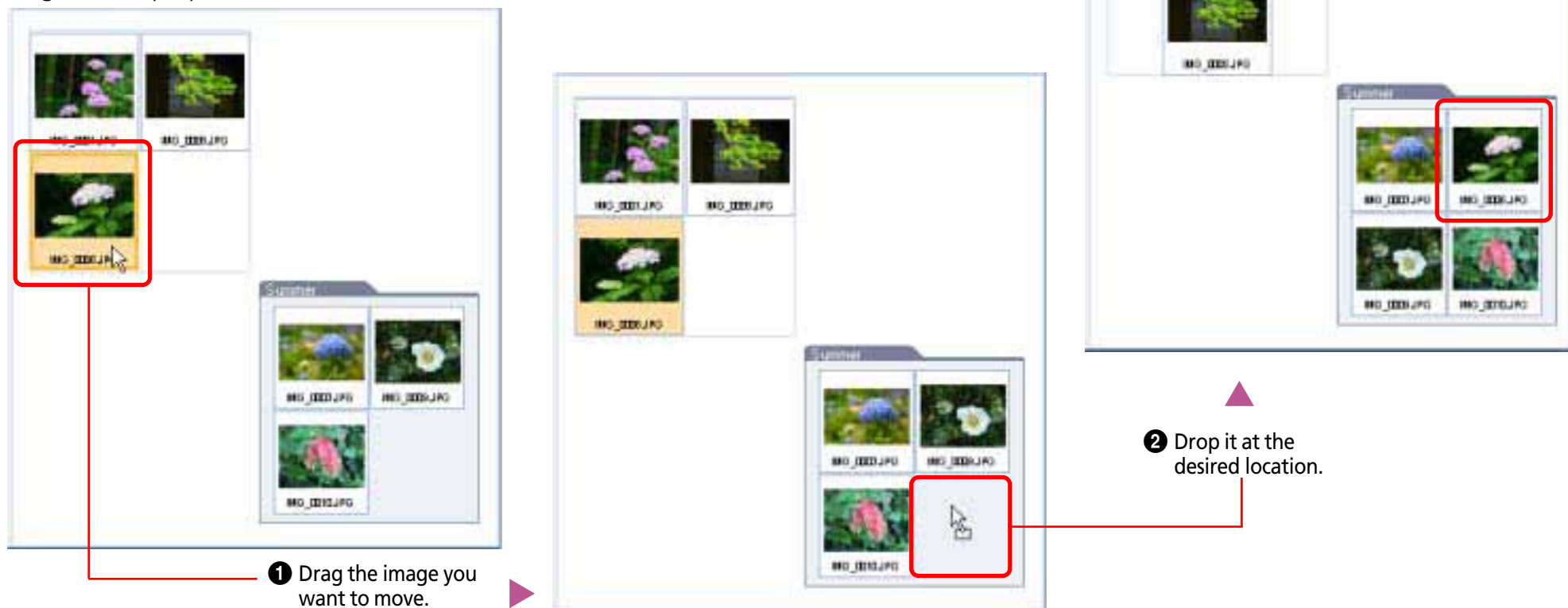
This section explains how to move or copy images between folders. It is convenient to conduct these procedures in the zoom mode.

REFERENCE

- Moving or copying images in ZoomBrowser EX affects the actual location in which those images are stored on your PC.

Moving an image in the Browsing Area

You can move an image in the Browsing Area simply by using a drag-and-drop operation.



Copying an image within the Browsing Area

To copy an image, before you drop the image you are dragging, press and hold the [Ctrl] key and release the mouse button, while still holding the key.



❶ Drag the image you want to copy.



❷ While holding down the [Ctrl] key, drop it at the desired location.

Moving or Copying an Image from the Browsing Area to the Folder Area

You can move or copy images between different folders by dragging them from the Browsing Area to the Folder Area and dropping them in the target folder.



① Drag the image you wish to move.



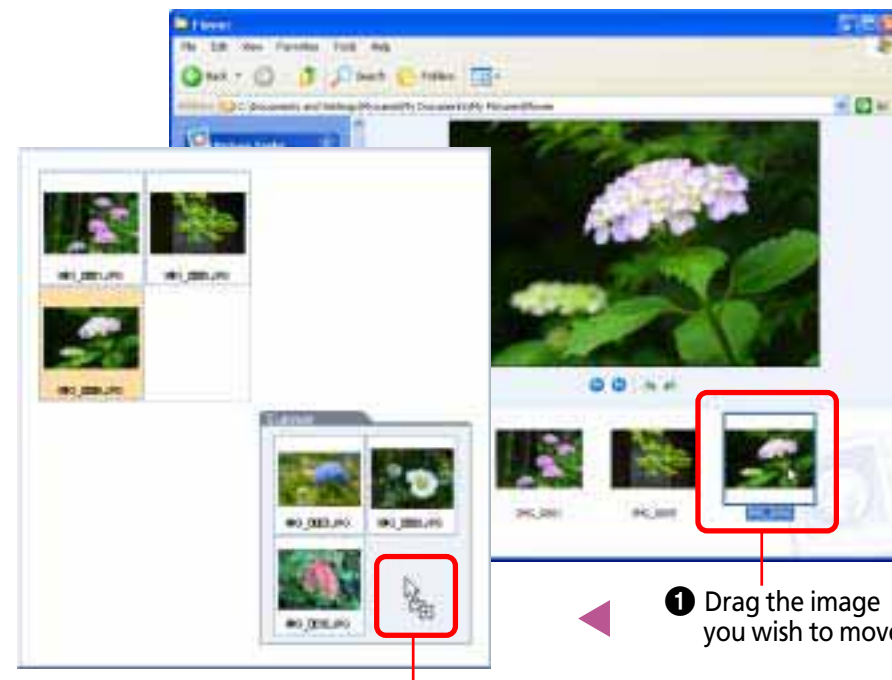
② Drop it in the target folder.

REFERENCE

- To copy an image from the image folder you are in at the moment to a different image folder, proceed the same way. Hold down the [Ctrl] key before dropping the image and release the mouse button while holding the key over the target library.

Copying by Dragging a File Icon from a Windows Window

You can also copy an image by dragging its file icon from an open Windows window and dropping it onto the ZoomBrowser EX window.



① Drag the image you wish to move.

② Drop it in the target folder.

REFERENCE

- On the other hand, when you drag an image from the Browsing Area of ZoomBrowser EX to Windows Explorer, the image is automatically copied.

Additional ways of moving or copying images

■ Moving or copying many images at once

You can select several images by clicking them in succession. You can also select a series of adjoining images in one step by holding down the [Shift] key while you click the first and last images.

Once the images are selected, you can move or copy them all together with standard drag and drop procedures.

■ Moving or copying a complete folder


In addition to moving or copying individual images, you can move or copy an entire folder. In the Zoom display mode, select the folder by clicking inside it where there are no images. Then move the folder by dragging and dropping it, or copy the folder by first pressing down and holding the Ctrl key, and then dragging and dropping the folder.

Display modes and folder selection procedures are explained in *Selecting Folders - Browsing Area* in Chapter 3.

■ Copying from the menu


Select one or more images, click the [Edit] menu and select [Copy]. Next, select the target folder in the Folder Area, click the [Edit] menu and select [Paste]. (This operation is not available with Windows 98.)

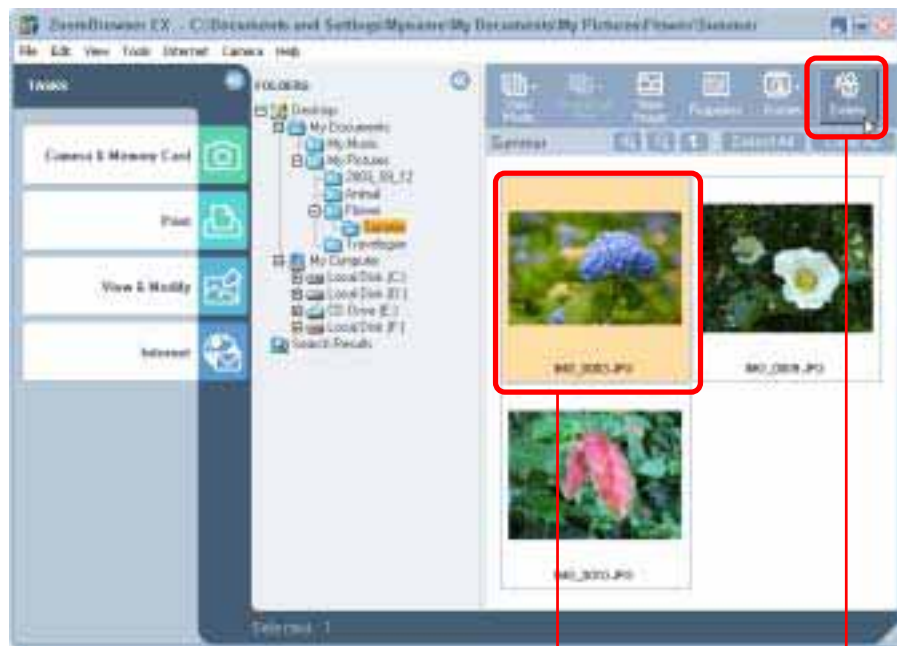
REFERENCE

- You can select all the folders or images displayed in the Browsing Area at once by clicking  (Select All) at the top of the Browsing Area or by clicking the [Edit] menu and selecting [Select All].

This section explains how to delete images that you no longer need.

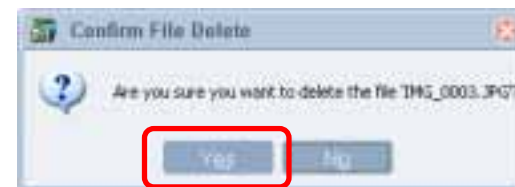
How to delete an image

Click the image you want to delete, and click  (Delete).



① Click an image. ② Click [Delete].

Click [Yes] when a confirmation dialog like the one below appears.




REFERENCE

- If you accidentally delete a required image, double-click the [Recycle Bin] icon on the Windows desktop to open it. Select the image and, in the Recycle Bin Tasks section, click [Restore this item]. (With Windows 2000/Windows Me/Windows 98 in web page view mode, select the image and then click [Restore this item back to its original location] at the left side of the window.) When you switch back to ZoomBrowser EX and click the [View] menu and select [Refresh Current Folder], the image will reappear in its original location.

Other ways of deleting images

■ Deleting multiple images

You can select several images by clicking them in succession or by holding down the [Shift] key while you click the first and last images in a series. When you have selected all the images that you want to delete, clicking  deletes all of the selected images at once.

■ Deleting images from the File menu

Click an image. Then, click [Delete] on the [File] menu to delete the image.

■ Deleting an Entire Folder of Images

This procedure is explained later in this chapter in the *Deleting Folders* topic.

REFERENCE

.....


- To completely delete images from the computer after completing the procedures above, double-click the [Recycle Bin] on the Windows desktop to open it and, in the Recycle Bin Task section, click [Empty the Recycle Bin].
(With Windows 2000/Windows Me/Windows 98 in web page view mode, click [Empty Recycle Bin] at the left side of the window.)

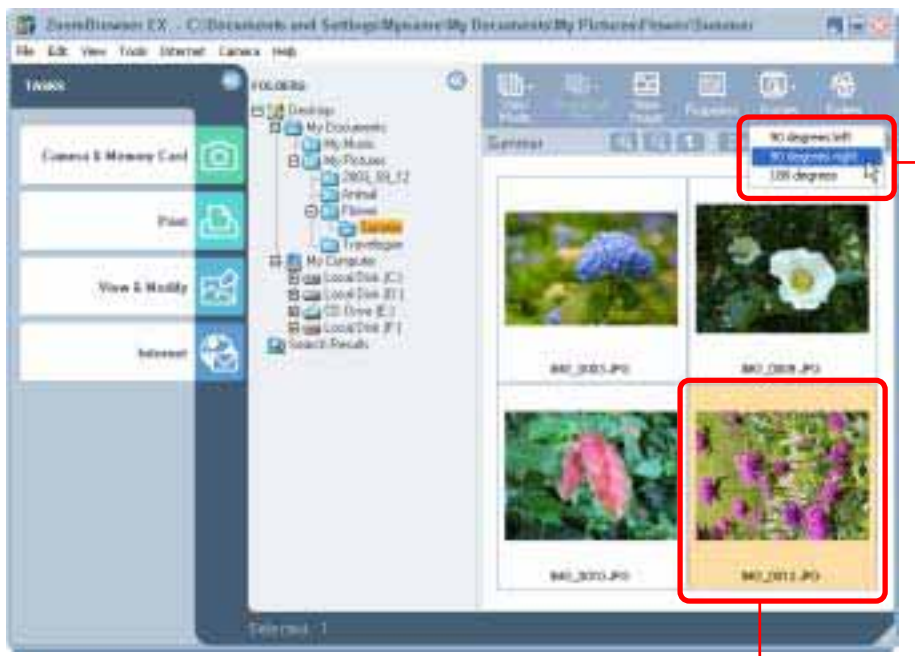
This section explains how to rotate images to the desired orientation. This is useful for images taken by holding the camera sideways.

IMPORTANT

- By the default setting, rotating an image in ZoomBrowser EX changes (rotates) the image in the file on your PC.

How to rotate an image

Select an image and click  (Rotate). Select the direction of rotation in the next menu.



Select an image to rotate and click to specify the direction.

REFERENCE

- 90-degrees left is a counterclockwise rotation and 90-degrees right is a clockwise rotation.
- There are two methods for rotating images. With the default setting, the original image is rotated.
- To set the rotation settings, refer to *Rotate Tab* of the *Customizing Preferences (3/3)* section.

Other ways of rotating images

■ Rotating multiple images

You can select several images by clicking them in succession or by holding down the [Shift] key while you click the first and last images in a series. When you have selected all the images you want to rotate, select a rotate option to rotate all the selected images at once.

■ Using the Menu to Rotate Images

You can also rotate an image by selecting it, clicking the [Edit] menu, selecting [Rotate Image] and choosing the direction of rotation.

This section explains how to rename images.

IMPORTANT

Renaming an image in ZoomBrowser EX renames the actual file on your PC.

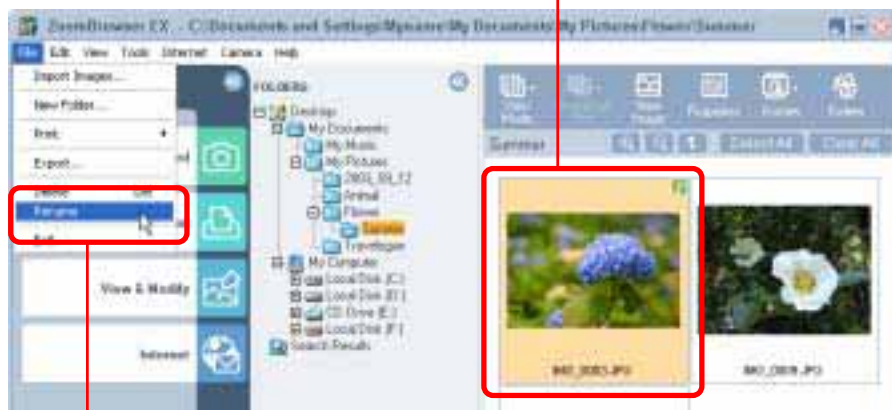
REFERENCE

- Because an extension (indicating the type of the file) is automatically assigned, do not include an extension in the name. (In the file named [xxx.JPG], for example, the [.JPG] portion is called the file name extension.)

Using the Rename Function

Select an image, click the [File] menu and select [Rename]. The Rename Image dialog box appears.

① Click an image to rename.




② Click [Rename].

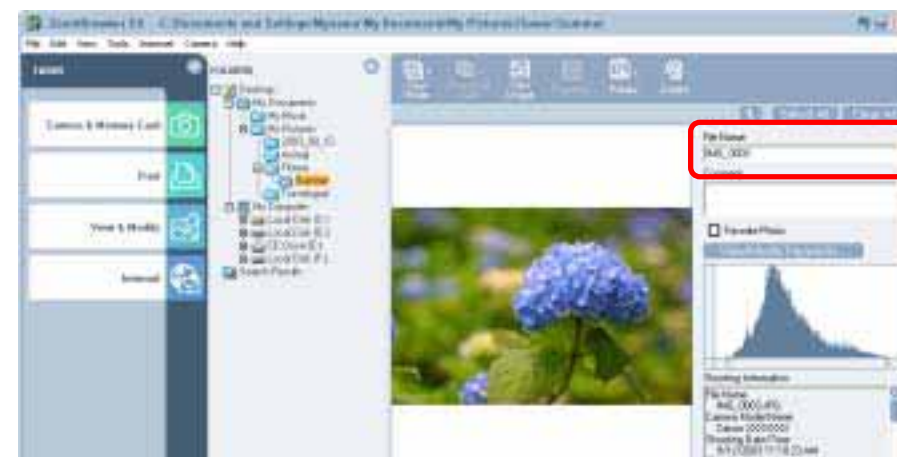
A dialog similar to that below will appear.



Type the new name and click [OK] to change the name of the image. You can also rename a sound that is attached to an image.

Using the Preview Mode

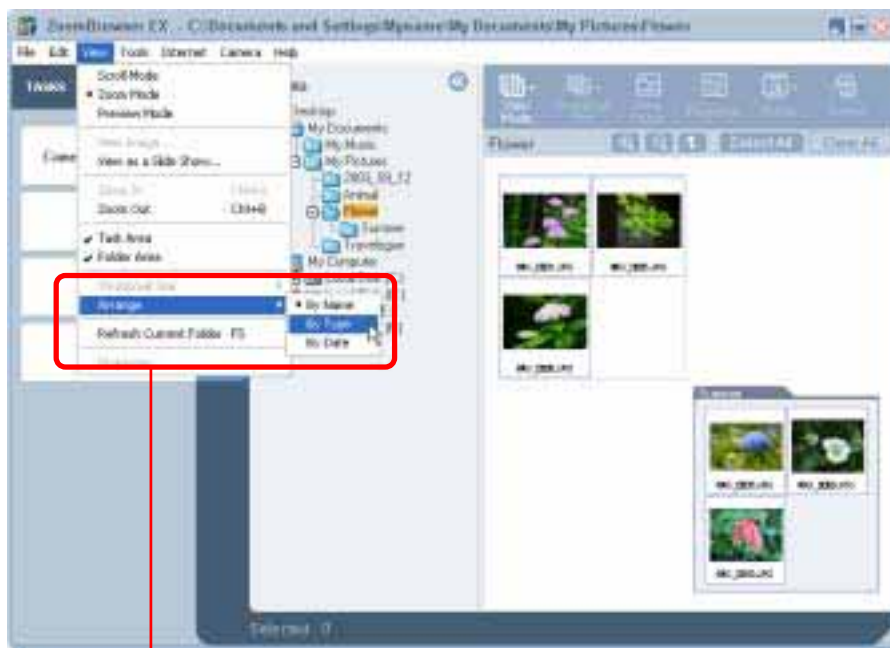
If you click  (View Mode), choose [Preview Mode] from the next menu and select an image, you can change the name of that image.



This section explains the procedures for changing the image order.

Sorting Images

To change the image order in the Browsing Area, click the [View] menu, select [Arrange] and then one of the sorting options.



Click [Arrange] and select a menu item.

■ By Name

Sorts images in alphabetical order by the file name.

■ By Type

Sorts images in alphabetical order by the file type.

■ By Date

Sorts images in order from the oldest modification date to the newest.

This section explains how to perform searches on images.

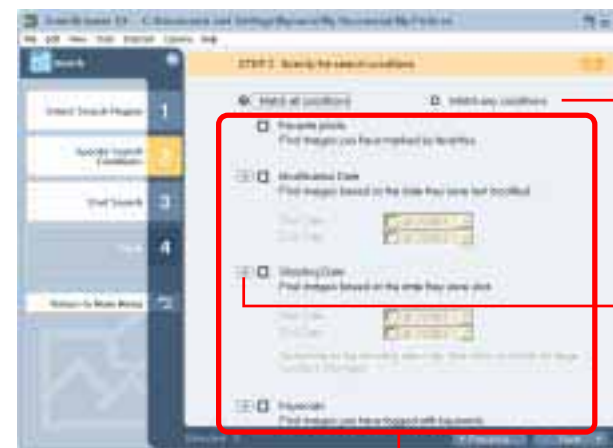
Searching Images

You can search for images marked as Favorites or search by such parameters as the modification date, shooting date or keywords. The procedures for marking images as Favorites or adding keywords to them are explained in the following pages.

- 1. Select a folder to search in the Browsing Area.**
Click [Select All] to search all of the images and folders displayed in the Browsing Area.
- 2. Click [View & Modify], followed by [Search] in the next menu.**



- 3. Set the search parameters.**



Sets whether images are searched according to all the parameters or just one

Clicking here allows you to hide the search parameters

Set the search parameters here.

First, place a check mark in the parameter you wish to use.

Next, if you selected the modification or shooting date, set the date range.

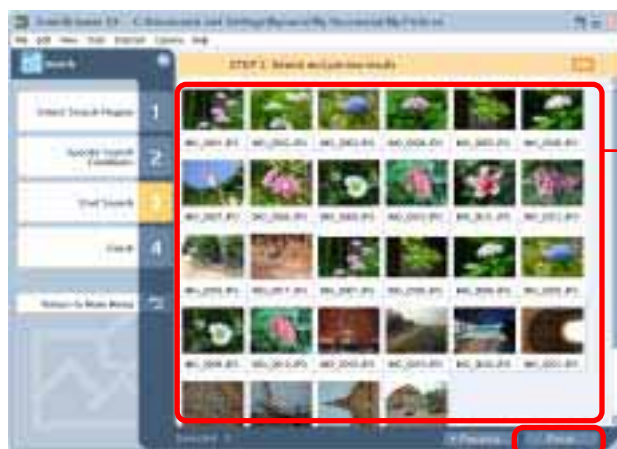
If you selected the keyword option, select the keywords.

- 4. Click [Next] after you have set the parameters.**



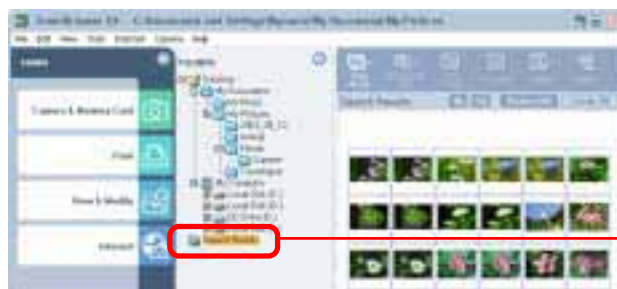
A set of images corresponding to the search parameters will display.

- 5.** If the search results are satisfactory, click [Finish].
If you wish to modify the search parameters, click [Previous] and repeat steps 3–4.



Images satisfying the search parameters

This concludes the search process. Images satisfying the search parameters will display in the folder named "Search Results" in the main window. You can select and print these images, or copy them to other folders. These images will remain registered in the Search Results folder until you close ZoomBrowser EX or perform another search.



Folder containing the images satisfying the search parameters

Adding Keys for Image Searches




■ Adding the Favorites Symbol to Images

It is easier to find your favorite images if you mark them with a Favorites symbol. The Favorites symbol is shown below.



Favorites Symbol


There are several methods to mark your favorite images. Use any one of the following procedures after you have selected one of your favorite images in the Browsing Area.

- Click the [Tool] menu and select [View/Modify keywords]. Click to place a check mark in the [Favorite Photo] option in the next window.
- Click  (Properties) and click to place a check mark in the [Favorite Photo] option in the next window.
- Click  (View Mode) and select [Preview Mode], then select an image and place a check mark in the [Favorite Photo] option.
- Click the  symbol at the bottom right of the window that displays while a slide show is playing.



Adding Keywords to Images

Add keywords to images for use in searches.

1. Select the image in the Browsing Area.
2. Click  (Properties) and [View/Modify keywords] in the next window.
Instead, you can also click the [Tool] menu and select [View/Modify keywords].
A window for setting keywords will display.
3. Click to place a check mark beside a keyword.



Place a check mark beside a keyword

To add a new keyword, type it in the box at the left and click [+].

4. Click [OK].
This concludes the keyword settings process.

Managing Keywords

The following window displays when you click the [Tool] menu and select [Manage keywords].



You can use the following functions in this window.

■ Add Keywords

Type a new keyword in the box beneath the list and click [+].

■ Delete Keywords

Click to place a check mark beside the keyword to delete and click [Delete].

■ Restore Keyword List

This function restores the keyword list based on the images assigned keywords. This can be used when you deleted a keyword that was used in the past but want it back.

This section explains how to refresh or update a folder.

What Does It Mean to Refresh a Folder

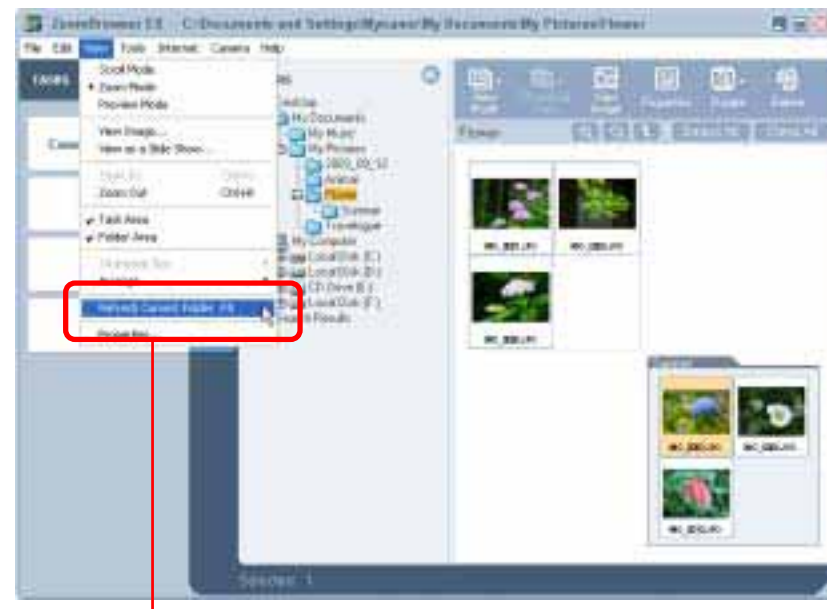
Adding, moving, copying or editing an image or a folder within ZoomBrowser EX ensures that it is updated and appears correctly in the Browsing Area.

However, the information ZoomBrowser EX possesses and the actual file contents can be different when an image file is moved or copied using Windows functions or edited with a separate program.

In this case, the “current state of the folders” has to be checked and updated. This is what is meant by refreshing a folder.

Refreshing Folders

Click the [View] menu and select [Refresh Current Folder]. This will update ZoomBrowser EX's information about all the folders.



Click [Refresh Current Folder].

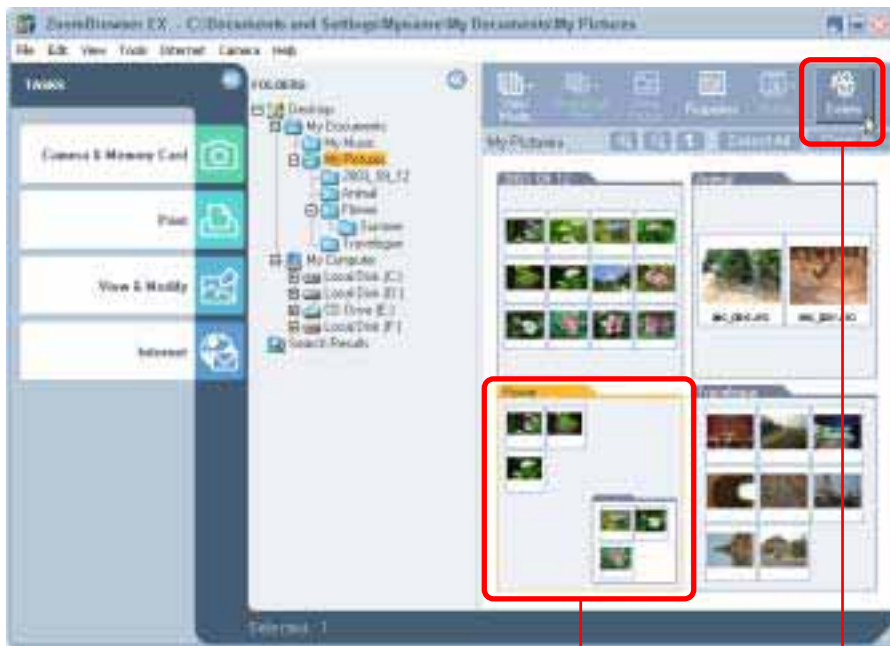
This section explains the procedures for deleting folders.

IMPORTANT

- When you delete a folder, all the actual images and folders it contains are deleted too.

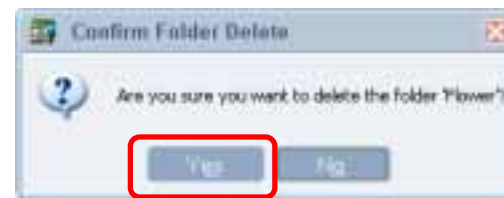
Deleting Folders

Select a folder to delete and click  (Delete).



Select the folder and click [Delete].

Click [Yes] in the confirmation dialog to proceed.



Alternative Method

■ Using the Menu to Delete

You can also delete a folder by selecting it, clicking the [File] menu and selecting [Delete].

REFERENCE

- To completely delete folders from the computer after completing the procedures above, double-click the [Recycle Bin] on the Windows desktop to open it and, in the Recycle Bin Task section, click [Empty the Recycle Bin]. (With Windows 2000/Windows Me/Windows 98 in web page view mode, click [Empty Recycle Bin] at the left side of the window.)

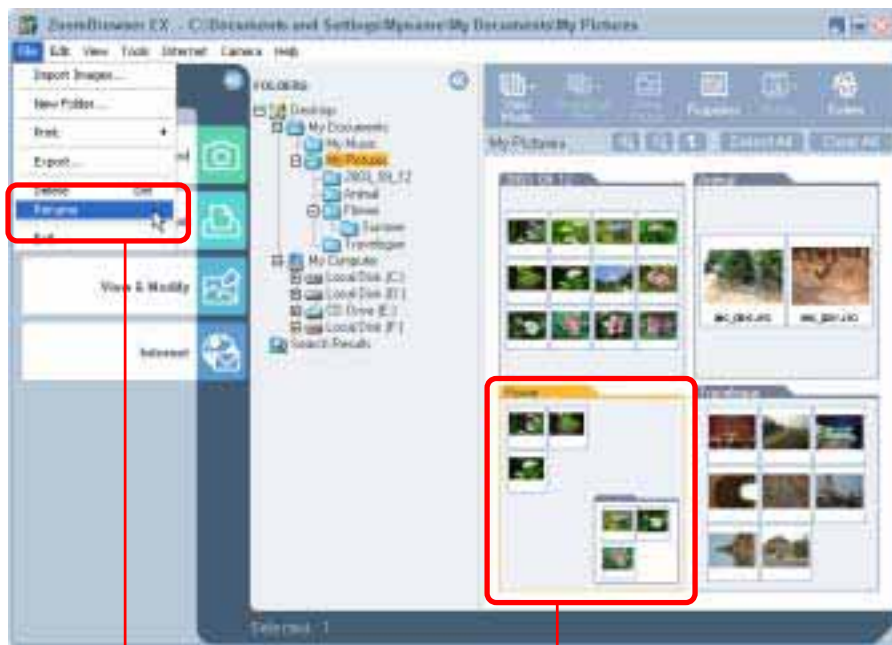
This section explains the procedures for renaming folders.

IMPORTANT

- When you use ZoomBrowser EX to change a folder name, the name of the folder on the computer disk also changes to that name.

Renaming Folders

Select a folder to rename, click the [File] menu and select [Rename].



After you select the folder, click [Rename].


A dialog similar to that below will appear.

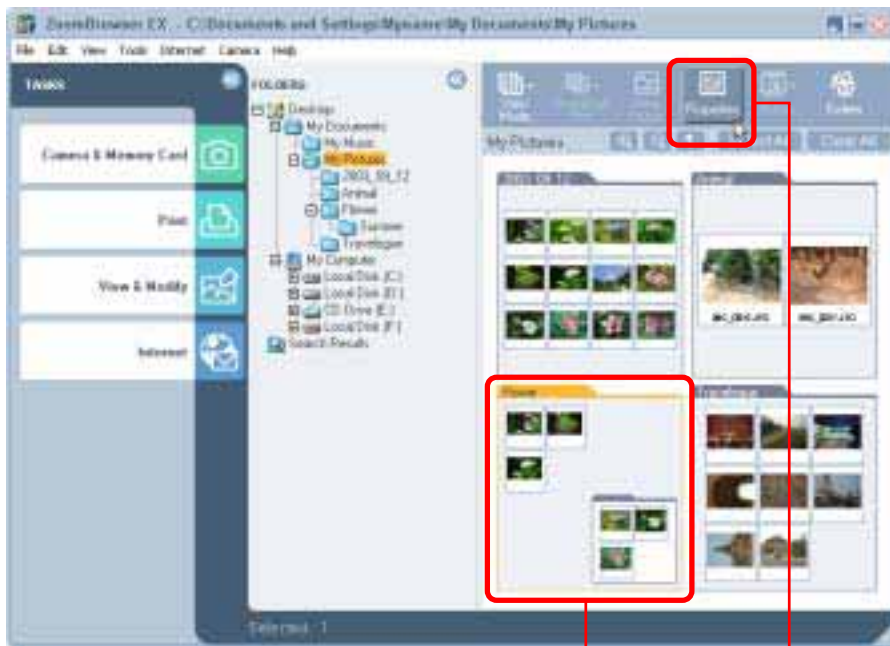


Input a new file name and click [OK] to set the name.

This section explains methods for finding out which disks and folders contain your image folders.

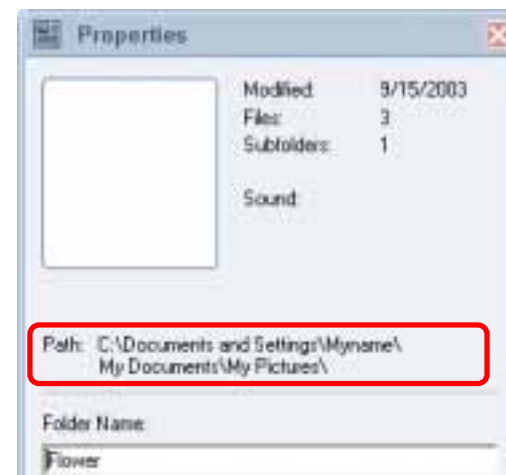
Viewing Folder Properties


Select the folder and click  (Properties).



Select the folder and click [Properties].

A window similar to that below will appear. You can check the location of the saved folder by looking at the categories below.



Click the  (Close button) to close the window once you have checked it.

Alternative Method

■ Using the Menu to View Folder Properties


You can also find out where a folder is located by selecting the folder, clicking the [View] menu and selecting [Properties].

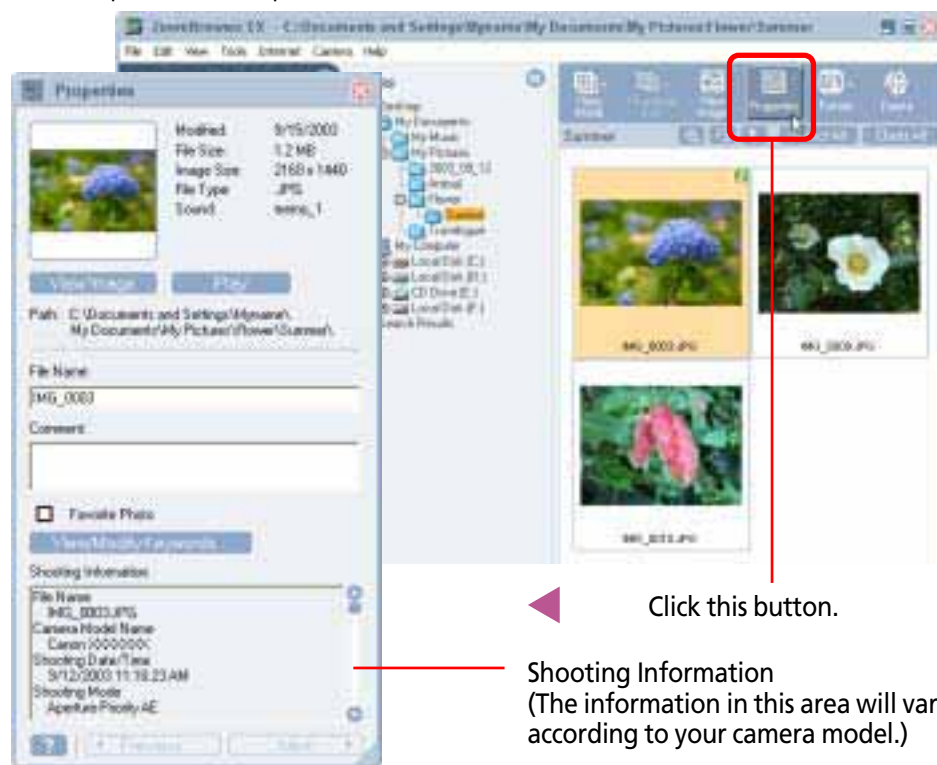
This procedure is for viewing various information about the selected image.

REFERENCE


- When an image taken by the camera is modified and saved by another program, information about the camera settings might be lost.

Viewing Image Properties


Select the image in the Browsing Area and click  (Properties) to open the Properties window.




If you click on another image in the Browsing Area while this window is open, the displayed data will switch to that of the new image.

This window can be used to check the date an image was revised, the file size, the image size, the file type, the file location, the shooting date and time and other detailed information. You can also use it to change the file name and type in comments. To close the Properties window, click its  (Close button).

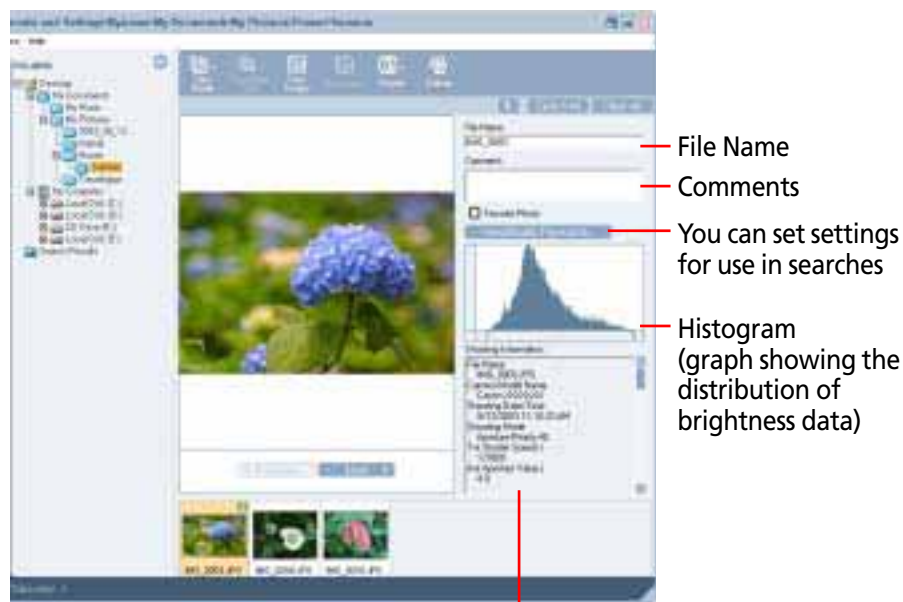
REFERENCE

- You can select several images by clicking them in succession or by holding down the [Shift] key while you click the first and last images in a series. Then you can click  (Properties) to view the properties of each image in succession. Use the [Previous] and [Next] buttons to switch between the information for each image.
- You can also view image properties by selecting the image, clicking the [View] menu and selecting [Properties].

Alternative Method

You can view the properties of an image by clicking the  (View Mode) menu, selecting [Preview Mode] in the next menu and selecting the image.

You can check the file name, comments, histogram and detailed shooting mode settings in the image properties window. You can also change the file name and add comments to the image.



Shooting Information
(The information in this area will vary according to your camera model.)

This chapter explains how to use ZoomBrowser EX's Camera Window. It starts with the procedures for opening the window.

Connecting the Camera and Opening the Camera Window

A dialog similar to the following one will appear when you connect the camera to a computer using an interface cable and prepare the camera to communicate. If you select [List Images], the Camera Window will display.

IMPORTANT

- ZoomBrowser EX may not start with the previous method the first time a connection is established after the computer is booted up when some versions of Windows are running. See the *Starting ZoomBrowser EX* section of Chapter 1 for details.



Click here.



Camera Window

Opening the Camera Window (2/2)

Using the Task Buttons to Open the Camera Window

IMPORTANT

- Ensure that the camera and computer are connected with an interface cable and are ready to communicate before you perform this procedure.
- If you are using a memory card reader, ensure that the memory card is loaded into the reader before performing the procedure.

Click [Camera & Memory Card] in the main window and [Browse & Download Images] in the next menu.



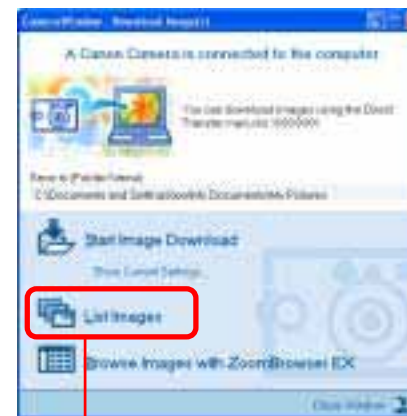
Click here.

Main Window



Camera Window

A window like that below will open.
Click [List Images] to open the Camera Window.



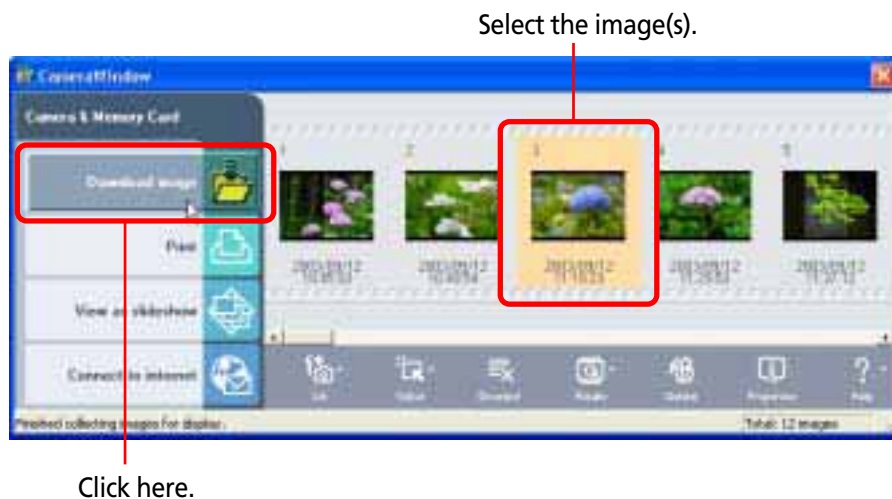
Click here.



This section explains the procedures for downloading images from a camera (memory card) to a computer disk.

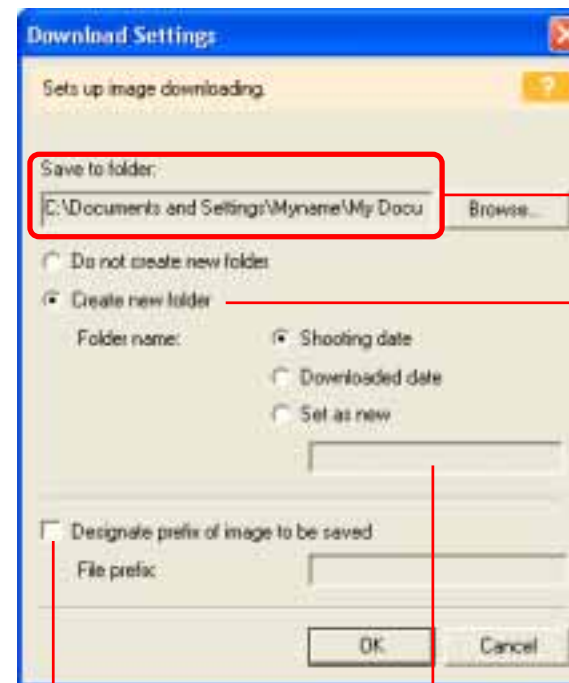
Downloading Images

Select the image(s) and click [Download image].



Specifying the Image File Destination

Specify the location to which your image files are downloaded on the computer.



Specify the folder to which images are saved.

Select this option to stick the downloaded images in a new folder created within the one specified above. Then select a naming option for the new folder to the right.

If you selected the [Set as new] option, type in a folder name here.

If this option is left unselected, the image file names are the same as those in the camera (file names assigned by the camera at the time of shooting, such as "IMG_XXXX.JPG," where the "Xs" represent numbers). If you select this option and type in a root file name, the name becomes something like "ROOT+XXXX.JPG."

REFERENCE

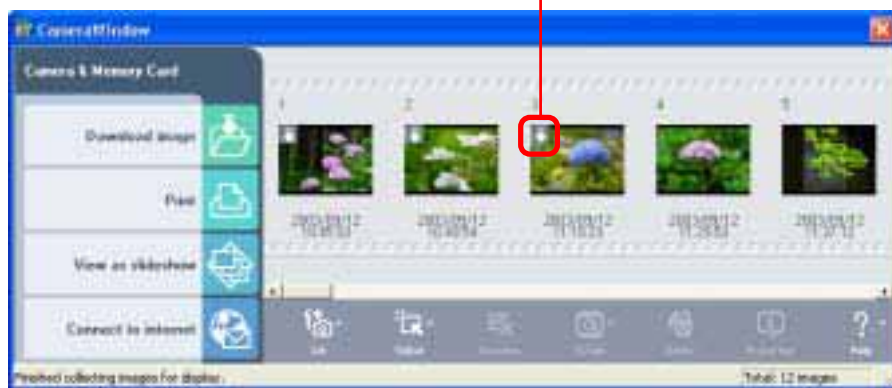
- The My Pictures folder is set as the default destination.

Click [OK] to start downloading. When the download is complete, the Camera Window will close and the main window will open.

The Camera Window after Downloading

Images that have been downloaded are marked with a “downloaded” symbol like that below.

This symbol indicates that the image has been downloaded.




Alternative Method

■ Downloading Multiple Images

You can select several images by clicking them in succession. Once the images are selected, you can download them all together in a single step.

■ Selecting Images for Downloading

Click  (Select) to open the selection menu, which contains the following options.



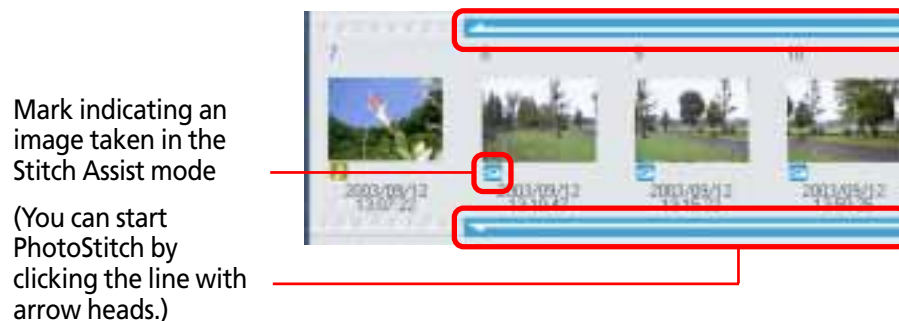
- Select All
Selects all the images in the camera (memory card).
- Select New
Selects only the images that have not yet been downloaded to the computer.
- Select Print mark
Selects only the images that have been marked with print settings by the camera.

Downloading Images (3/3)

- Select Send mark
Selects only the images that have been marked with transfer order settings by the camera.
- Select Slide Show mark
Selects only the images that have been marked with slide show settings by the camera.
- Invert selection
Deselects selected images and selects the previously unselected images.

REFERENCE

- If an image is taken in the Stitch Assist mode, it appears in the Camera Window as follows:



- If an image is taken in the RAW mode (some camera models do not come with this feature), it appears in the Camera Window as follows:



- If an image is taken in the Movie mode, it appears in the Camera Window as follows:



- If an image has a sound memo attached (some camera models do not come with this feature), it appears in the Camera Window as follows:




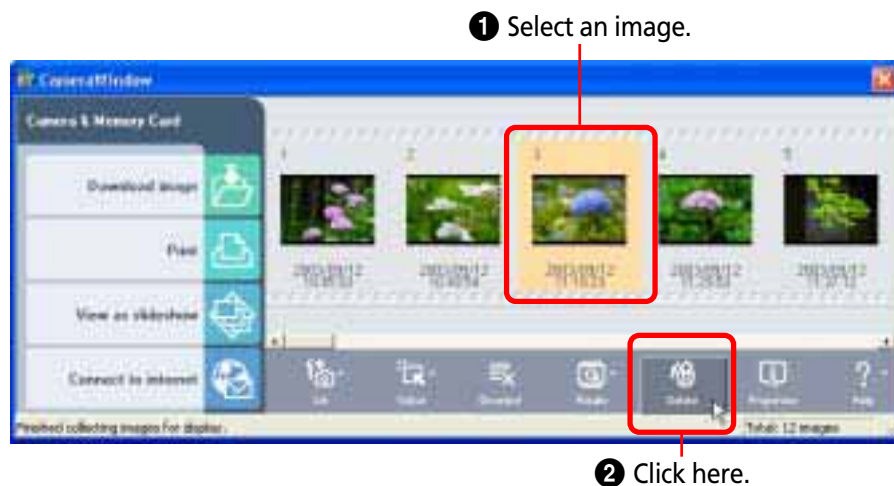
This section describes how to delete images from the camera (memory card).

IMPORTANT

- Please note that deleting an image in the Camera Window deletes the actual image from the memory card. Since deleted images cannot be recovered, be extremely careful when using this function.

How to delete an image in the camera

Select the image you want to delete and click  (Delete) to delete it.




When a message appears, click [OK]. The image is deleted.

Other ways of deleting images

■ Deleting multiple images


You can select several images by clicking them in succession. When you have selected all the images to be deleted, perform the deletion. All the selected images are deleted.

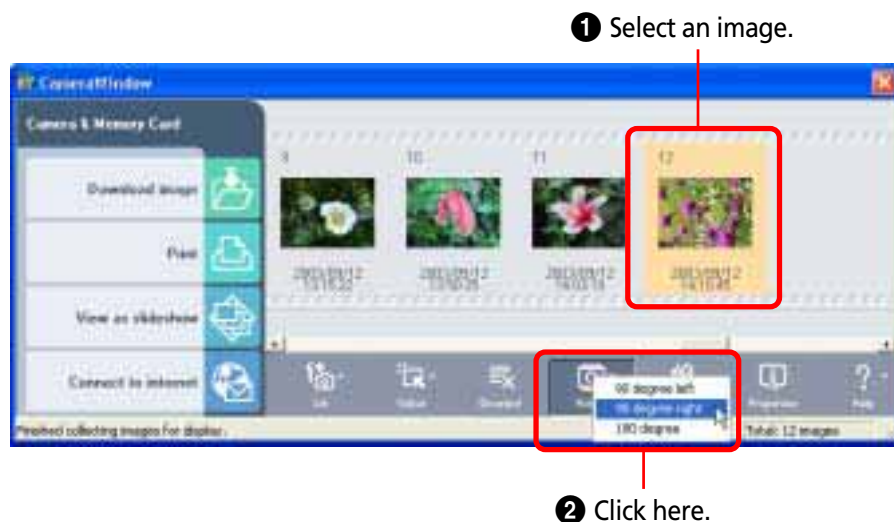
■ Selecting images for deletion

Click  (Select) to display the selection menu, which can be used to select the images for deletion.

This section explains how to rotate the display of images stored in the camera to the desired orientation.

How to rotate an image

In the Camera Window, select the image you want to rotate. Click  (Rotate) to display a menu. On the menu, click the rotation angle that you want to use.



REFERENCE

- 90-degrees left is a counterclockwise rotation and 90-degrees right is a clockwise rotation.
- The Rotate function affects only the image displayed in the Camera Window. The image stored on the camera is not changed at all. However, when you download the image, the image is rotated and saved on the computer in the correct orientation.


Other ways of rotating images

■ Rotating multiple images

You can select several images by clicking them in succession. When all the images are selected, perform the rotation operation. All the selected images are rotated at once at the same rotation angle.

This section explains the procedures for copying images from the computer disk to the camera (memory card).

How to copy an image to the camera

Click  (Set) and select [Add Image(s)] from the next menu.



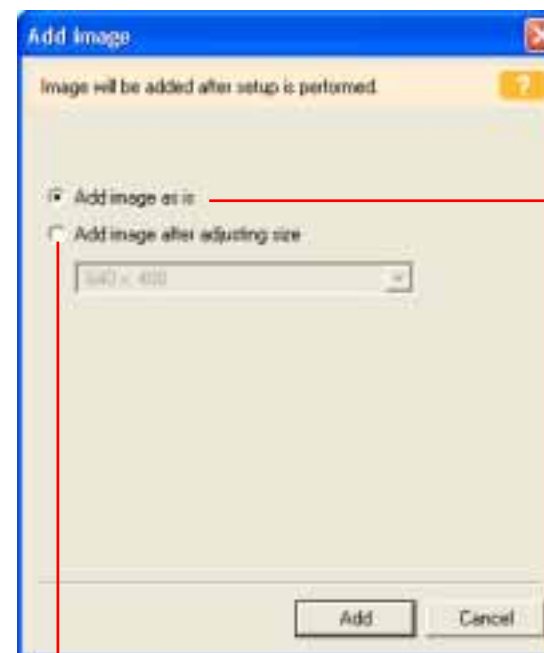
Click here.

A dialog box appears. In the dialog box, select an image you want to copy to the camera and click [Open].

REFERENCE

- You can upload multiple images in the same operation.

If a dialog similar to that below appears, select an option as required and click [Add]. This will upload the image to the camera.



Select this to upload the image to the camera without resizing.

Select this to resize the image before uploading it to the camera. Select the image size in the list box beneath. (With a memory card reader, the image size is input as numerical values. If [VGA Size] is selected, 640 and 480 appear automatically.)

REFERENCE

.....

- You can select the [Add image as is] option only when uploading JPEG images based on the DCF standard. Select [Add image after adjusting size] for all other images.
- JPEG format images can be uploaded to the camera.
- RAW format images and movie files (AVI format) cannot be uploaded to the camera.
- File formats are explained in more detail in the *Supported File Formats* topic in the *Appendices*.

This section explains the tasks that can be performed with the task buttons that weren't mentioned in the downloading topic.

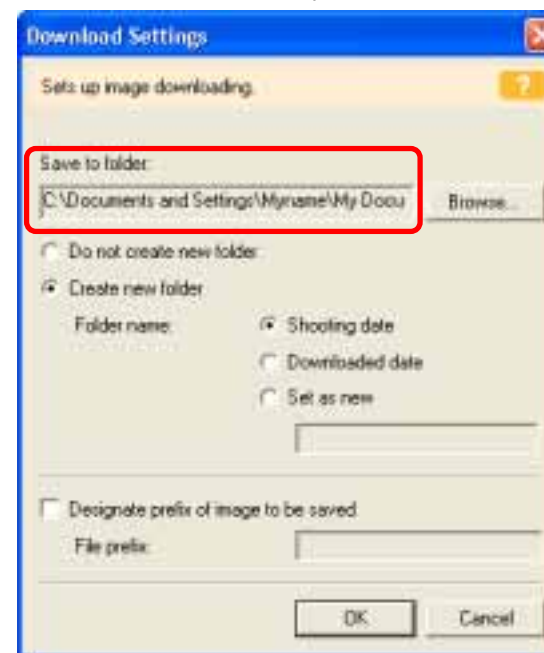
Task Buttons

Select a task from the four buttons available.



Download Destination Dialog

When you select an image in the Camera Window and click a task button, a dialog like the one below will appear. Specify the destination folder to proceed with the next part of the task.



Downloading Images (1/3) in this chapter explains how to specify a download destination.

IMPORTANT

- The selected images are downloaded to the computer each time a task button is selected in the Camera Window and then the tasks are performed on them.

Selectable Tasks

The procedures after a download destination has been specified are the same as below.

■ Download Image

These procedures are explained in *Downloading Images* in this chapter.

■ Print

- Layout Print
- Contact Sheet Print

This procedure is described in *Printing Images* in Chapter 1.

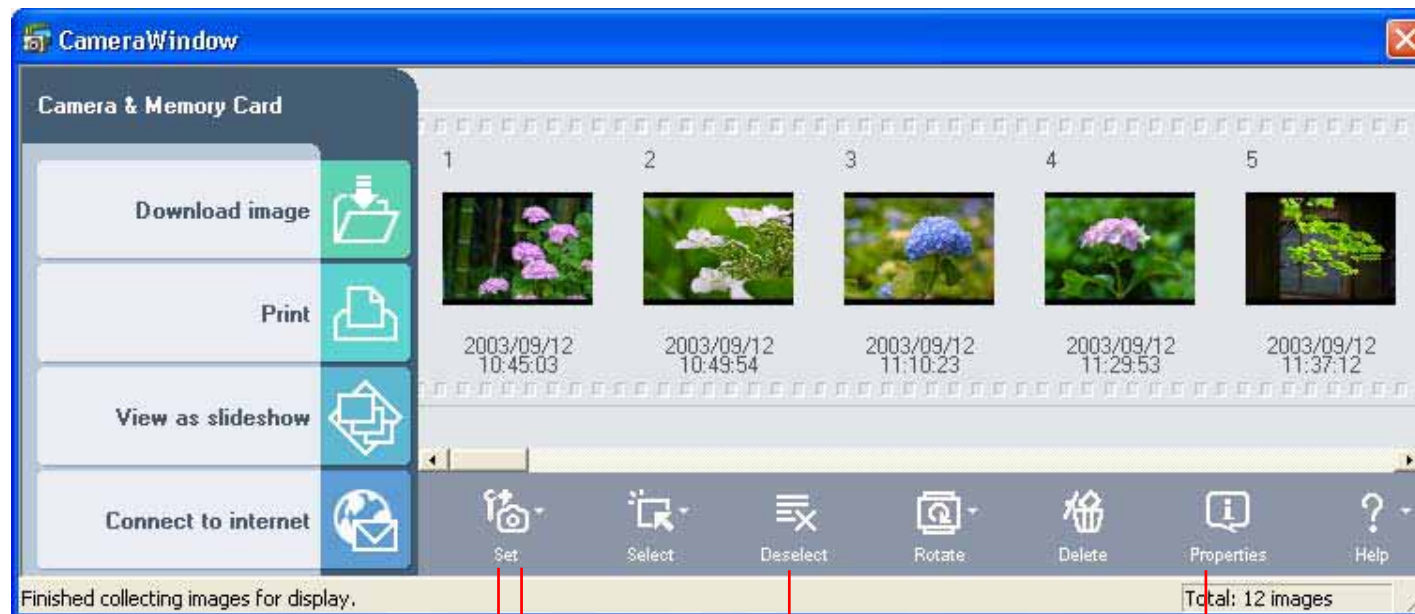
■ View as Slideshow

- These procedures are explained in *Running a Slide Show* in Chapter 6.

■ Connect to Internet

- Send Images in E-mail
These procedures are explained in *Sending Images by E-mail* in Chapter 6.

This section explains the additional functions of the Camera Window that you can use.



Click here to deselect images.

Click this button to check Image Properties information.

You can reconnect the camera after its connection to the computer has been interrupted by selecting [Reconnect] from the [Set] menu.

You can play a slide show using the camera or set the DPOF print settings by selecting [Slide/DPOF] from the [Set] menu. (These procedures are explained in *Setting Up Slide Shows on the Camera* and *Print Settings* in the Appendices.) *

On the [Set] menu, select [My Camera] to display the My Camera window, which can be used to change the start-up image, shutter sound and other camera settings (these procedures are explained in *Saving the "My Camera Settings" to the Camera* section in Chapter 6). *

You can check and change camera settings by clicking the [Set] button and selecting [Camera Settings]. This procedure is described in *Checking and Changing Camera Settings* in Chapter 6.

* Some camera models do not support this button.

This chapter explains how you can use images stored in ZoomBrowser EX in various situations. First, let's begin with how you can send images in e-mail.

IMPORTANT

- To use this function, your e-mail program must be set up as a MAPI client. For detailed information on how to set up your e-mail program, refer to the documentation that comes with it.

How to send an image by e-mail

1. Click [Internet] in the main window.
2. Click [Email Images] in the next menu.
3. In the Browsing Area, select the images you wish to send and click [Next].

You can select multiple images or a folder and have the images in the folder included in the e-mail attachment.

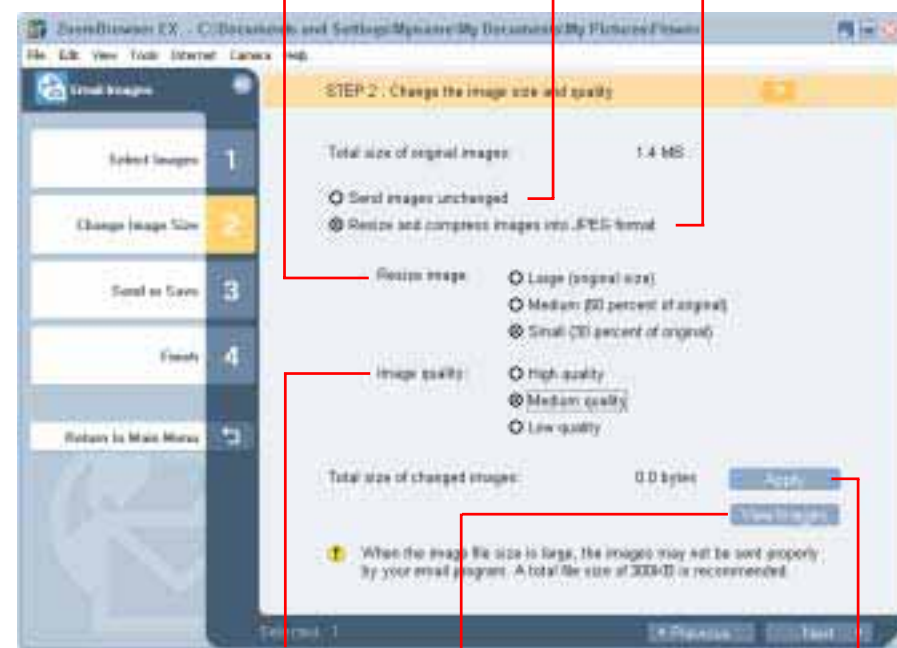
The window will change to the image size and image quality settings window.

4. Set the image size and image quality settings.

Use this option if you do not want to change the size of the image.

Specify the reduction ratio relative to the original size of the image.

Use this option if you want to reduce the size of the image.



Specify the image quality.
(The lower the quality, the rougher the image becomes, but the size of the file also becomes smaller.)

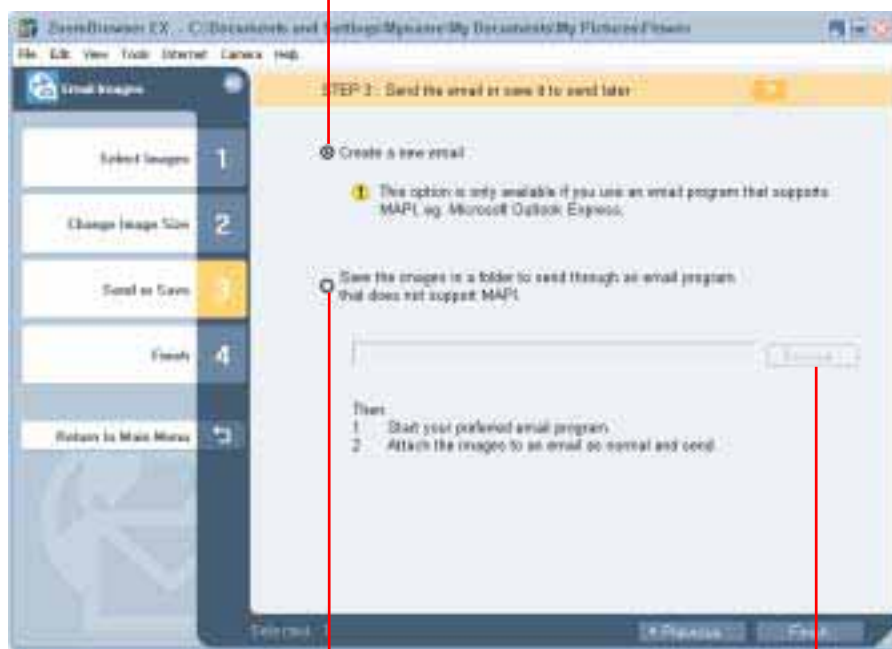
Use it to check the file size when you actually compress the image. (The file is displayed in the "Total size of changed images" category.)

Use it to check the image quality as it will appear when compressed. (A preview image will display.)

5. Click [Next].

6. Select whether to create an e-mail message or save the images.

Start the e-mail program and send the e-mail immediately.

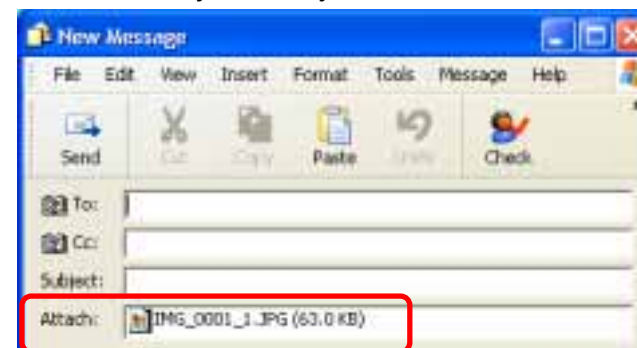


Save the image on the disk first.

If you selected [Save the images in a folder to send through an email program], click [Browse] to specify a destination.

7. Click [Finish].

- If You Selected [Create a new email]:
Your e-mail program will start and the selected images will appear as an attachment in the message window. Input the address, subject and your comments and send the message.



- If You Selected [Save the images in a folder to send through an email program]:
The images will be saved to the specified destination. To send the images by e-mail, start your e-mail program and attach the saved image files to a message.

REFERENCE

- You can also send images by e-mail by clicking the [Internet] menu and selecting [Send Images by Email].
- Some e-mail programs might not be able to start automatically (those without MAPI support). In this case, save the image to the disk, start the e-mail program and attach the image to an e-mail message.

Adding Computer Images to the Camera (1/2)

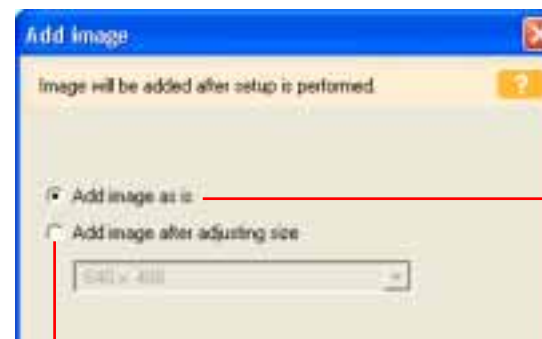
This section explains the procedures for copying images from the computer's disks to the camera (memory card).

IMPORTANT

- Ensure that the camera and computer are connected with an interface cable and are ready to communicate before you perform this procedure.
- If you are using a memory card reader, ensure that the memory card is loaded into the reader before performing the procedure.

Adding Images to the Camera

1. Click [Camera & Memory Card] in the main window.
2. Click [Upload Images] in the next menu.
3. In the Browsing Area, select images and click [Finish].
You can select multiple images or a folder and have the images in the folder included.
4. Resize the image as required and click [Add].



Select this to upload the image to the camera without resizing.

Select this to resize the image before uploading it to the camera. Select the image size in the list box beneath. (With a memory card reader, the image size is input as numerical values. If [VGA Size] is selected, 640 and 480 appear automatically.)

The Camera Window will open and the specified images will be added to the camera (memory card).



REFERENCE

- If multiple images have been selected, then the selected resizing option will affect all the selected images.

REFERENCE

.....

- You can select the [Send image as is] option only when uploading JPEG images based on the DCF standard. Select [Add image after adjusting size] for all other images.
- JPEG format images can be uploaded to the camera.
- RAW format images and movie files (AVI format) cannot be uploaded to the camera.
- File formats are explained in more detail in the *Supported File Formats* topic in the *Appendices*.

This section explains how to change the size, resolution or file format of a selected image and write it to a new file, and to export an image for use as a screen saver or wallpaper. It also describes how to export the shooting information to a text file.

Export Formats

The following types of image export formats are available.

Edit Images and Resave

You can change the file format and/or image size and save it to a new file. Select one of three file formats: JPEG, TIFF or Windows Bitmap (BMP). You can also add identifying characters to the start of the file name.

Export Image Shooting Properties

You can select specific items from the shooting information and export it to a text file.

Export Images as a Screen Saver

You can export an image as a screen saver file.

Export an Image as Wallpaper

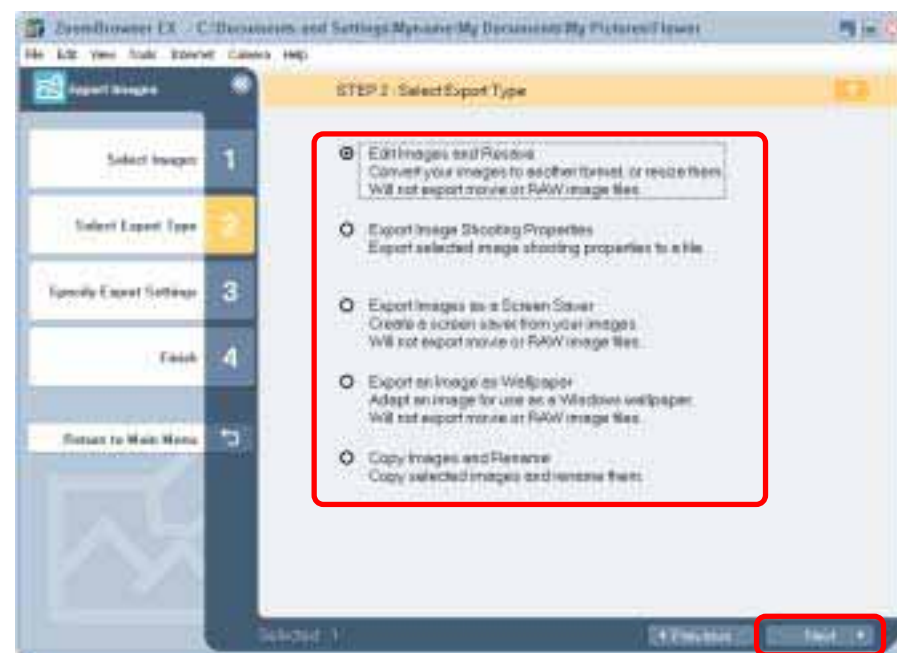
You can export an image as a wallpaper file. This function will not work with multiple files selected.

Copy Images and Rename

You can copy the selected image and save it. At this point, you can also add identifying characters to the start of the file name.

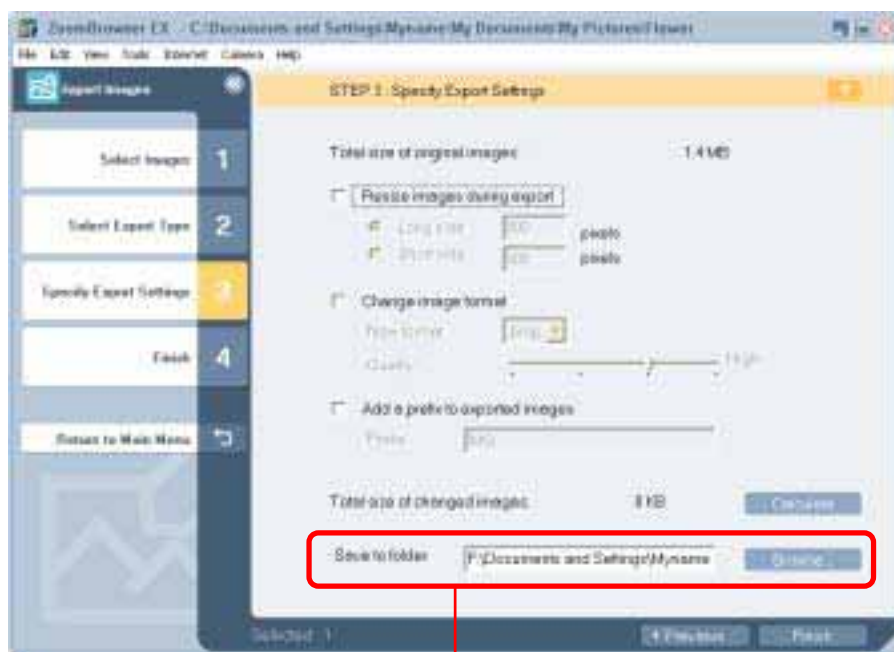
Exporting Images

1. Click [View & Modify] in the main window.
2. Click [Export Images] in the next menu.
3. In the Browsing Area, select images and click [Next].
You can select multiple images or a folder and have the images in the folder included.
4. Select an export option and click [Next].



5. Setting the Export Settings

The contents of the export settings vary according to the selected export format. Adjust the settings according to the displayed information. Be sure, however, to note the file name and destination when exporting so that you do not lose track of the exported file.



Destination folder

6. Click [Finish].

This will export the image(s).

REFERENCE

- If you use the [Edit Images and Resave] or [Copy Images and Rename] options and save in the JPEG file format, the shooting information is saved along with the image.

This section explains how to run a slide show displaying images in sequence in the full-screen mode.

Setting and Starting a Slide Show

1. Click [View & Modify] in the main window.
2. Click [View as a Slide Show] in the next menu.
3. In the Browsing Area, select images and click [Next].
You can select multiple images or a folder and have the images in the folder included.
The images will display in the order they are selected here.

Select the Image Size option to be used when displaying the images.

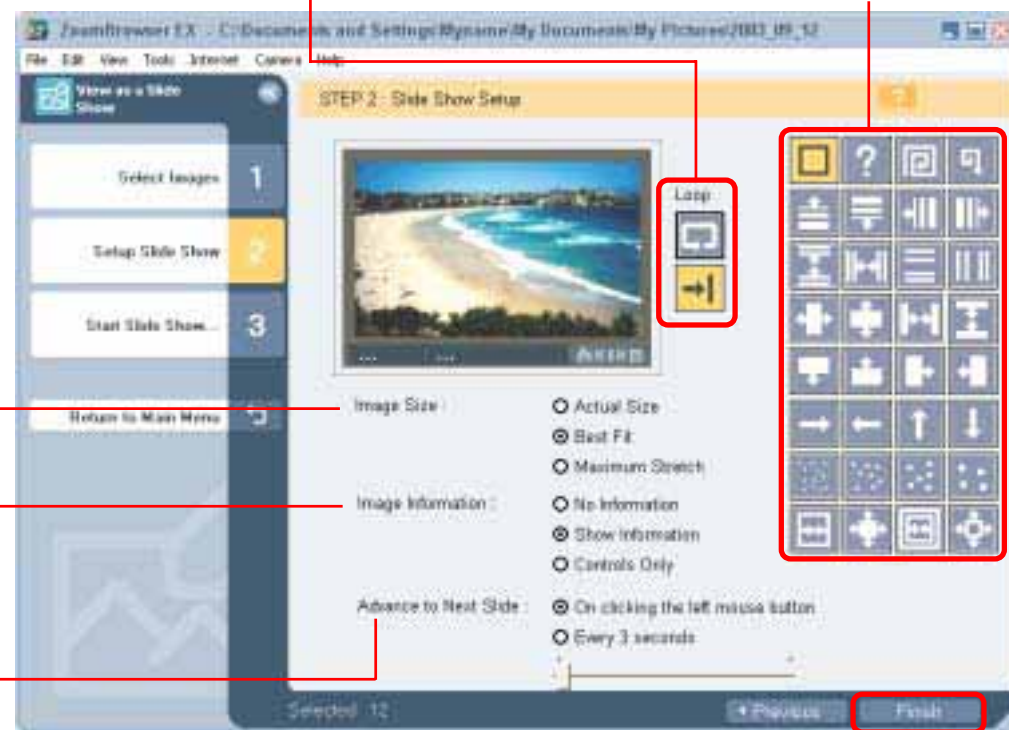
Selects the display methods for image information, such as the file name and titles, and the control panel (explained on the next page).

Select [On clicking the left mouse button] to have the slides proceed manually, not automatically.
Select [Every X seconds] to have the slides advance automatically and set an interval in seconds with the slider.

4. Set the display settings for the slide show and click [Finish].

Specify whether to stop the slide show (upper button) or continue running it (lower button) when it comes to the end.

Select the transition effect to be used when moving from one slide to another (When you click an effect, you can get a preview of how the effect looks)
If you want the transition effects to be randomly assigned, select [?].



The slide show starts.



The file name and control panel will display if the [Show information] option was selected in the [Image Information] section shown in the settings on the previous page.

REFERENCE

- You can also start a slide show by clicking the [View] menu and selecting [View as a Slide Show].

While running a slide show, you can use the control buttons at the bottom right of the window to control the show.



Click this button to return to the previous image.

Click this button to move to the next image.

Click here to pause the show
(Click again to resume play)

Click here to end the slide show

Click this button if you see an image you would like to print during a slide show. (The color of the button will change to orange.)
When the slide show finishes, PhotoRecord (printing utility) will automatically start and the selected image will appear in the printing window.

If you click this button while an image is displayed, the image will appear in the selected state in the Browsing Area after the slide show.

Click here to add the Favorites symbol to images. It is used to facilitate image searches.

You can add sounds to your images and play them later as necessary.

REFERENCE

- To use a sound file with images, it must be of one of the following formats:
 - WAVE (with WAV extension)
 - MIDI (with MID or MIDI extension)

How to add a sound to an image

In the Browsing Area, select an image, click the [Edit] menu and select [Add/Remove Sound].

The following dialog box appears.



Click [Add]. In the file dialog box, select a sound file and click [Open]. Next, click [OK] to add the sound to the image that you selected.

The following mark appears when an image is accompanied by a sound.



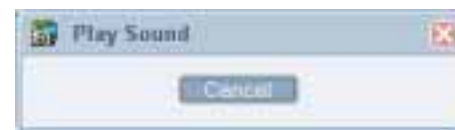
This mark indicates an image with a sound.

REFERENCE

- To remove a sound from an image, select the image, click the [Edit] menu and select [Add/Remove Sound], then click [Remove].
- When you add a sound to an image, the sound file is copied to the same folder as the image.

How to play a sound added to an image

Select an image with a sound attachment, click the [Edit] menu and select [Play Sound].



IMPORTANT

- ## REFERENCE

- ## Checking and Changing Camera Settings

The screenshot shows the Zentao browser interface. The left sidebar has a 'Camera & Memory Card' section. A red box highlights the 'Camera Settings' option. The main content area shows a grid of photos and a larger view of a photo on the right.

Use this button to synchronize the camera clock and your PC clock.

Camera Settings

Camera Model: Canon xxxxxxxxxx0000
Firmware Version: 1.0.0.0

Owner's Name:

Date and Time: 09 / 15 / 2003 04 : 09 PM From PC

Battery Status:

Memory card:

Status: Installed
Free: 4.25 MB
Total: 15.23 MB

OK Cancel Apply

- Click this button to format the camera's memory card (not supported by some camera models).

After you have checked the camera settings and made necessary changes, click [OK].

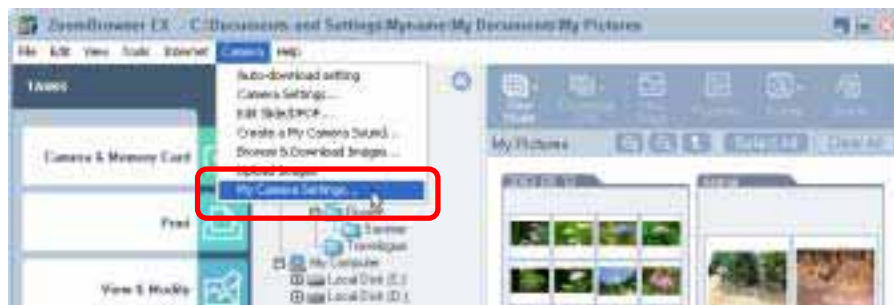
The My Camera window displays.

The start-up image for the camera and sounds such as the start-up sound, the shutter sound, operating sounds and the self-timer sound are collectively referred to as the My Camera Settings. You can add your favorite images and sounds from your computer to the My Camera Settings in the camera.

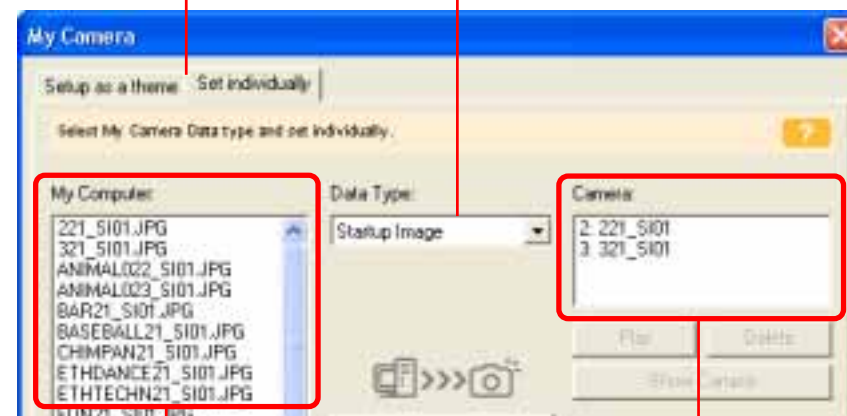
ZoomBrowser EX comes with some My Camera Settings already prepared. Start by displaying this data.

- Ensure that the camera and computer are connected with an interface cable and are ready to communicate before you perform this procedure.

Click the [Camera] menu in the main window and select [My Camera Settings].



Changes the type of data.



My Camera Settings that are already on your computer display here.

My Camera Settings
in your camera
display here.

Try switching between the [Setup as a theme] and [Set Individually] tabs, and in the [Set Individually] tab, try changing options in the Data Type category. The My Computer list displays the image files and sounds that were previously prepared. The Camera list displays the My Camera Settings currently in the camera (only the editable settings are shown).

You can save the files that appear in this list as My Camera Settings to your camera.

REFERENCE

- Theme settings are a collection of My Camera Settings with something in common.
- You can change all of the My Camera Settings—the start-up sound, the start-up image, the shutter sound, the operating sounds, and the self-timer sound—on the camera in one easy step by selecting the [Setup as a theme] tab and saving the desired theme set to the camera.
- You can also add new files as My Camera Settings to the Computer list (the procedure is explained later in this section).
- Pre-prepared My Camera Settings can be found on the disk on which ZoomBrowser EX was installed. Open the following sequence of folders: [Program Files], [Canon], [ZoomBrowser EX], [CameraWindow] and [MyCameraFiles].
- You can also open the My Camera window by clicking the [Edit] menu and selecting [My Camera Settings].

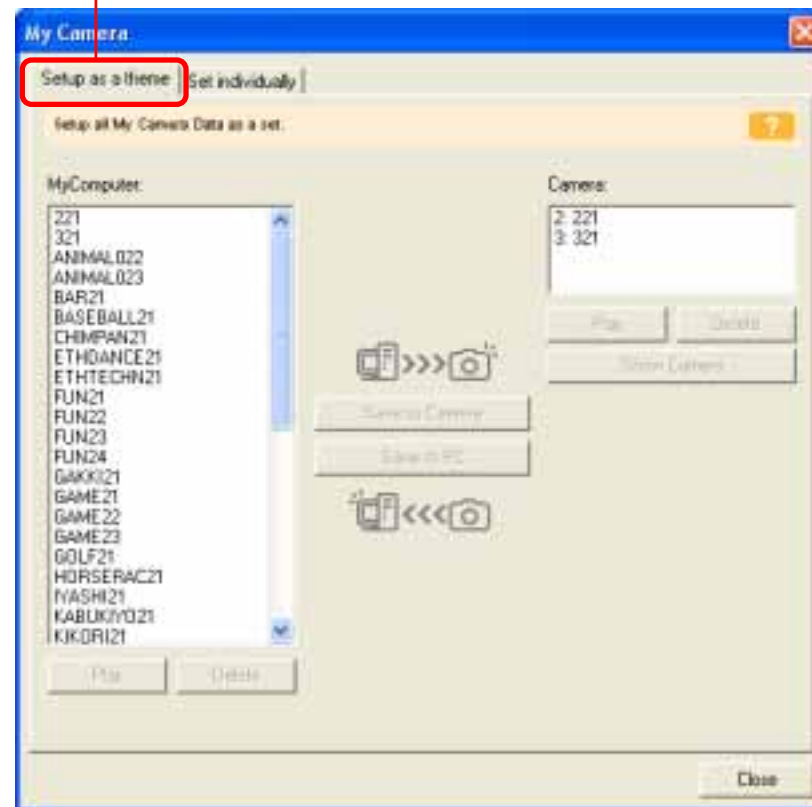
Saving the My Camera settings to the camera

This topic explains how to save the previously recorded My Camera Settings files to the camera.

1. Select the [Setup as a theme] tab in the My Camera window.

To set the My Camera Settings individually, click the [Set Individually] tab instead and select the respective settings, such as the start-up sound or image, in the Data Type category.

Select the [Setup as a theme] tab.



Saving the "My Camera Settings" to the Camera (3/7)

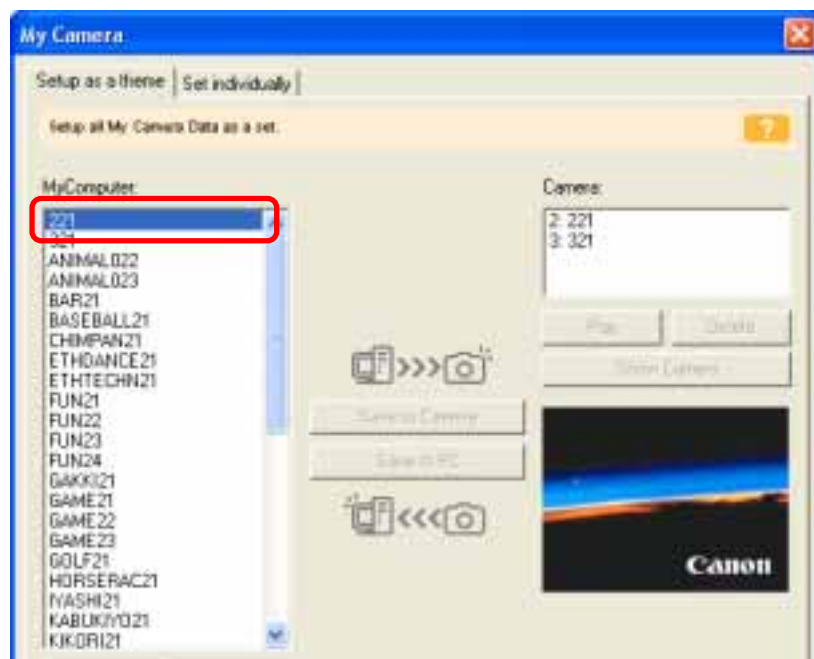
2. In the My Computer list, select a setting you would like to add to the camera.

When you select [Set up as a theme]:

The start-up image will preview in the area to the right and the start-up sound, the shutter sound, the operation sound and the self-timer sound will play in order.

When you select [Set individually]:

When you select a start-up image, it will be displayed in the preview area to the right. When you select a sound file, it will automatically be played.



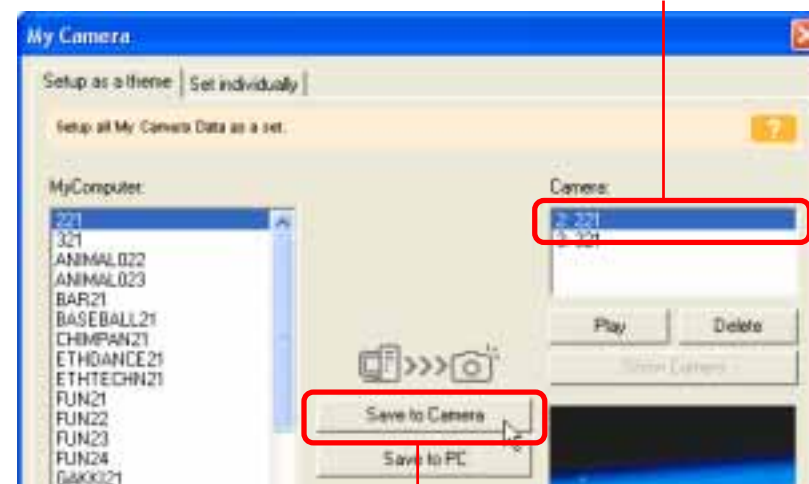
3. Select the settings file you would like to replace in the Camera list and click [Save to Camera].

Click [OK] if a confirmation dialog appears. The settings file in the camera will now be replaced with the one you specified from the computer.

REFERENCE

- Please note that the original settings file in the camera is overwritten and permanently erased. To restore the original settings file, you must add it once more to the camera. Before you overwrite a settings file in the camera, confirm that it appears in the My Computer list.

① Select the setting you want to replace.



② Click this.

Repeat Steps 1-3 to replace all the settings files with those you wish to save to the camera.

4. Click the [Close] button to close the dialog.

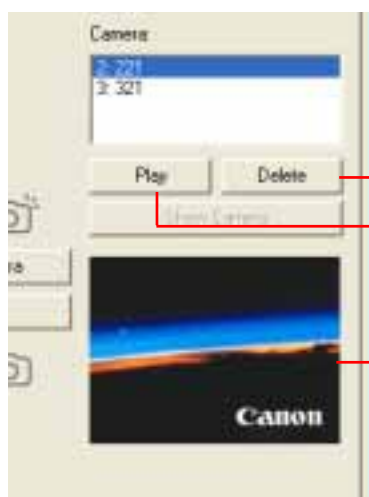
This concludes the procedure for adding settings to the camera. Next, you will have to change the settings on the camera itself to use the new start-up image and sounds. See the guide supplied with your camera for instructions for changing the settings.

IMPORTANT

- Never detach the interface cable, turn off the camera power, or do anything to stop communication between the camera and computer while the My Camera Settings are being saved to the camera.

REFERENCE

- To delete settings files in the Camera list, select the file and click the [Delete] button.
- You can check a sound file in the camera by clicking [Play].



Adding New Files to the My Camera Settings

Create a new image or sound file and save it to the computer and then add that file as a My Camera Settings file.

Create the new files before adding them

Start by creating the image file or sound file that will be used as a My Camera Settings file and save it to the computer.

■ Creating a Start-Up Image File

Create an image file using an image editing program. The file should be in the JPEG format, 320 x 240 pixels, and less than 20KB.

REFERENCE

- See the manual and help facility for the editing program for a detailed explanation of how to use it.

■ Creating a Sound File

Use the functions of the My Camera Sound Maker to record and edit sounds. The My Camera Sound Maker functions are explained on the next page.

REFERENCE

- Record the sound as an 11.025 kHz or 8.000 kHz, 8 Bit, Mono sound in the WAV format. Sound files that can be added to the camera should conform to these guidelines.

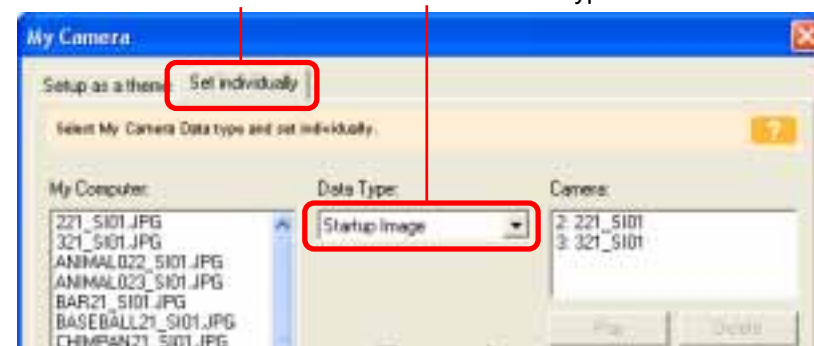
Type	Duration in Seconds	
	11.025 kHz	8.000 kHz
Start-Up Sound	1.0 sec. or less	1.3 sec. or less
Operating Sound	0.3 sec. or less	0.4 sec. or less
Self-Timer Sound	2.0 sec. or less	2.0 sec. or less
Shutter Sound	0.3 sec. or less	0.4 sec. or less

■ Adding the new file as My Camera Settings to the computer

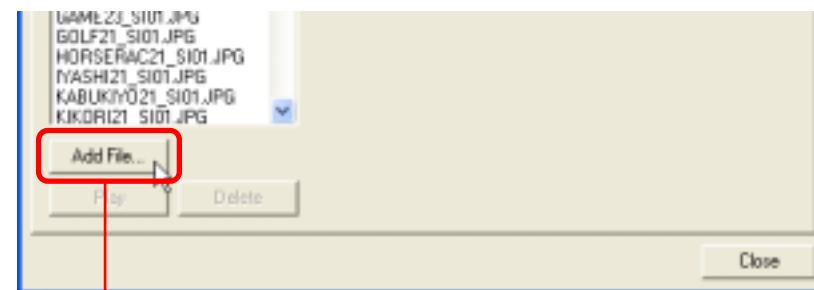
Once you have created the settings file and saved it to the computer, use the following procedures to add it to the My Camera window.

1. Click the [Set Individually] tab in the My Camera window and switch the Data Type.

Click the [Set Individually] tab in the My Camera window and switch the Data Type.



2. Click [Add File].



Click [Add File].

3. In the Open dialog, select the file you created and click [Open].

The selected file will appear in the Computer list.



This concludes the process for adding the new settings.
You can save the newly created settings to the camera using the procedures described in the *Saving the My Camera Settings to the Camera* section.

REFERENCE

- To delete a settings file, select it and click the [Delete] button beneath the My Computer list.
- Previously created settings can also be added as My Camera Settings to the computer with the same procedures as above, but have to comply with the specifications listed in the *Create the new files before adding them* section.

Saving the Settings to the Computer

You can copy the My Camera Settings from the camera to the computer.

1. Click the [Setup as a theme] tab in the My Camera window.

To set the My Camera Settings individually, click the [Set Individually] tab instead and select the respective settings, such as the start-up sound or image, in the Data Type category.

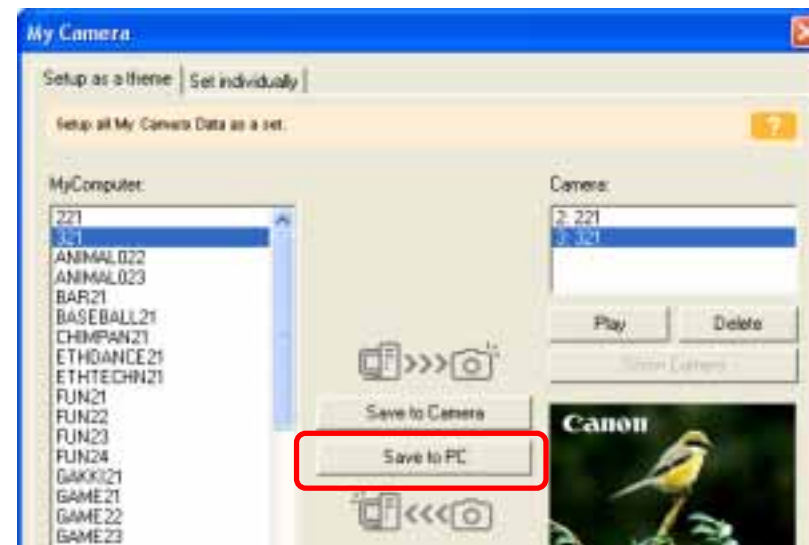
2. Select the setting you would like to copy from the Camera list.

If you selected the Theme tab in Step 1, the preview image will display in the area to the right and the start-up sound, the shutter sound, the operation sound and the self-timer sound will play in order.

If you selected the Set Individually tab and the start-up image in the Data Type category in Step 1, the start-up image will display in the area to the right. If you selected a sound, it will automatically play.



3. Click [Save to PC].



4. Assign a name to the settings file and click [OK].

The settings file will copy to the computer disk. If there is a settings file with the same name, it will be over-written.

Repeat steps 1-4 as required to save the settings files you wish to copy to the computer.

5. Click [Close] to close the My Camera window.

This completes the copying process.

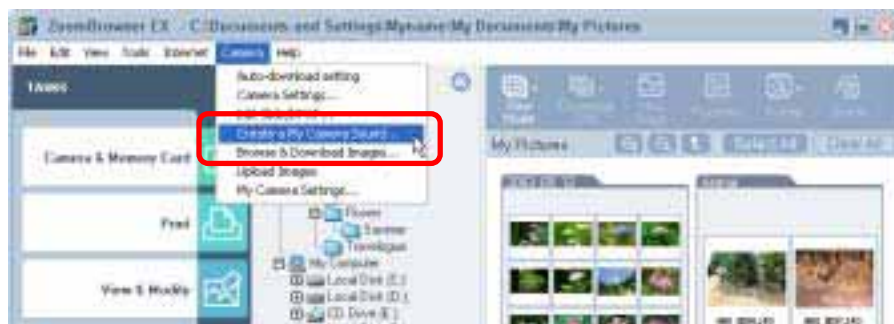
IMPORTANT

- Never detach the interface cable, turn off the camera power, or do anything to stop communication between the camera and computer while the settings files are being copied.

Creating a My Camera Sound

The following section introduces the [My Camera Sound Maker] function, which allows you to record and edit the start-up sound, shutter sound, operation sound and self-timer sound.

Click the [Camera] menu in the main window and select [Create a My Camera Sound].



The My Camera Sound Maker window will open.

IMPORTANT

- The My Camera Sound Maker window will not appear if QuickTime is not installed.

REFERENCE

- For detailed information on how to use this function, please refer to the Help file (open it with the [?] button).

Recording and Editing Sounds

Use these tabs to switch between sound files for recording and editing.

Click here to record sounds.

Click here to open sound files.

Change the file format.

Cuts out unnecessary sound portions.

Ends the recording.

Displays the Help menu.

A screenshot of the 'My Camera Sound Maker' window. The 'Start up Sound Creating' tab is selected. The window has a toolbar with buttons for 'Record', 'Open', 'Sound Format', and 'Cut'. Below the toolbar is a volume slider and a large audio waveform display. The waveform shows a green sound segment. At the bottom, there are checkboxes for 'Hovers blue and red switches freely' and 'Locks blue and red switch to within last time', and a 'Play' button.

Volume

Sets the blue and red switches.

Shows from where the sound starts to play.

Plays sounds.

The blue and red switches designate the sound range. (You can delete useless sections by clicking the [Cut] button after having selected the desired sound portion with the switches)

IMPORTANT

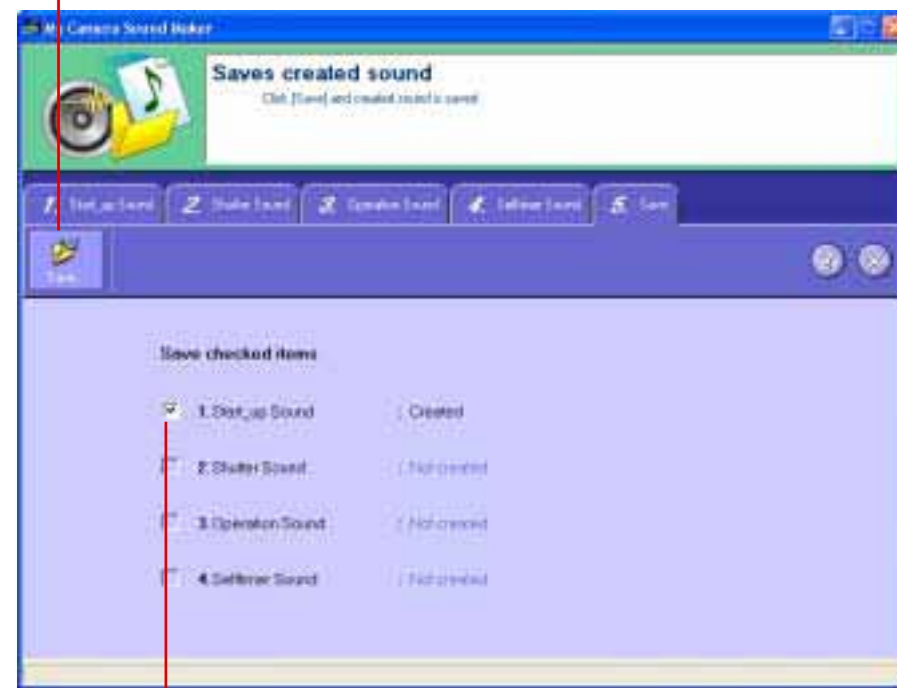
- The “Sound time” will display in red if the sound file exceeds the time limit.
If this happens, select the desired sound portion using the blue and red switches and select [Cuts both switches, before blue and after red] from the [cut] menu to delete unnecessary sound portions.
In addition, when you select [Limits blue and red switch within limit time], the switches can no longer be moved outside of the time limit width.

REFERENCE

- The Volume switch setting affects the volume of the sound file to be saved. In other words, if you turn down the volume of a sound you recorded on the computer because it is too loud when you play it, the sound will have a low volume when you upload it to the camera. So when the playback volume is too loud on the computer, turn down the volume of the speakers.

Saving a Sound

Click here to save a sound (A window allowing you to name the file will display).



Select the sound to be saved.

REFERENCE

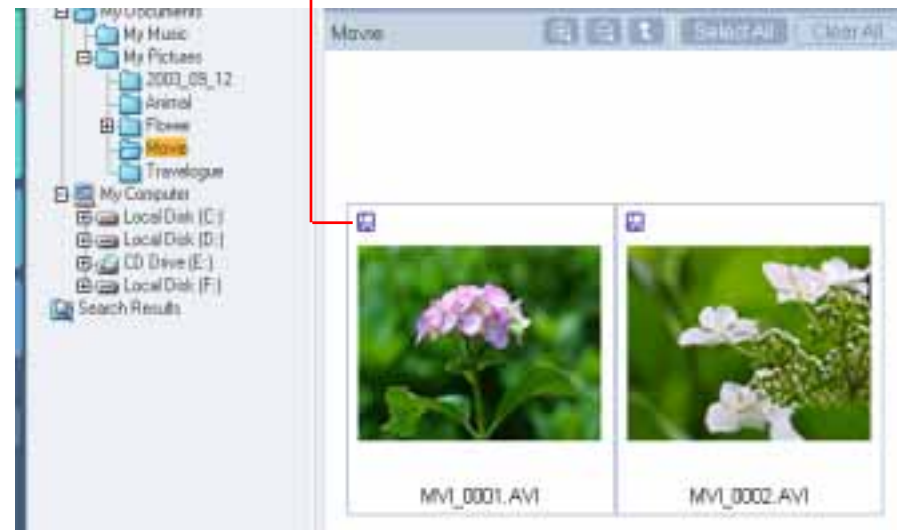
- Each sound file is automatically given an extension according to the type of sound.
- The actual file name is composed of the name of your choice in the first part, followed by characters specifying the sound type (_OP01 or _SS01) and the extension (.WAV) in the latter part.
- When a number of different types of sounds are saved at the same time, the first part of their file name will be the same.

ZoomBrowser EX supports movies.

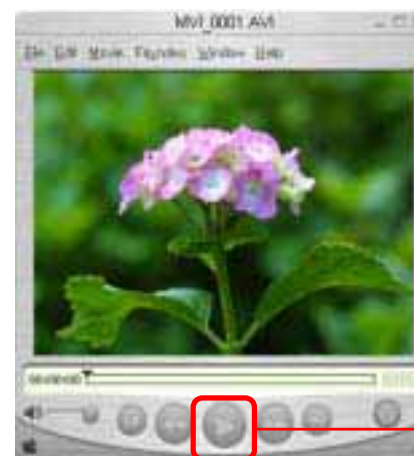
When you connect a camera with movie files on it to the computer and open the Camera Window, a thumbnail of the first image of each movie file will display with a movie camera symbol on it.

You can import movie files in the Browsing Area the same way you do images. In this case, a thumbnail and a movie mark appear in the Browsing Area. When you double-click the thumbnail, QuickTime Player starts and plays the movie.

The thumbnail and mark appear when a movie is imported using the Camera Window.



QuickTime Player window



Use this button to play the movie.

You can create movies by adding various effects: linking movies and still images that have been downloaded to a computer, superimposing titles and other text, and adding background music.

REFERENCE

- Movies are saved as AVI files in the Motion JPEG format.

Procedures for Editing Movies

1. Click [View & Modify] in the main window, followed by [Edit Movie].
2. Select a file (movie or still image) to edit in the Browser Area and click [Next].
You can select multiple movies or still images.
3. Follow the steps at the window's left. Once you have finished editing the movie, save it and close the window.
The features and procedures for each step are explained on the following pages.

Follow these steps
to proceed

Guidance

Click this button for detailed help
with operating procedures



Storyboard Area

Displays thumbnails of the selected images.
Links images in order from left to right

Click here to proceed to the
next step or previous one

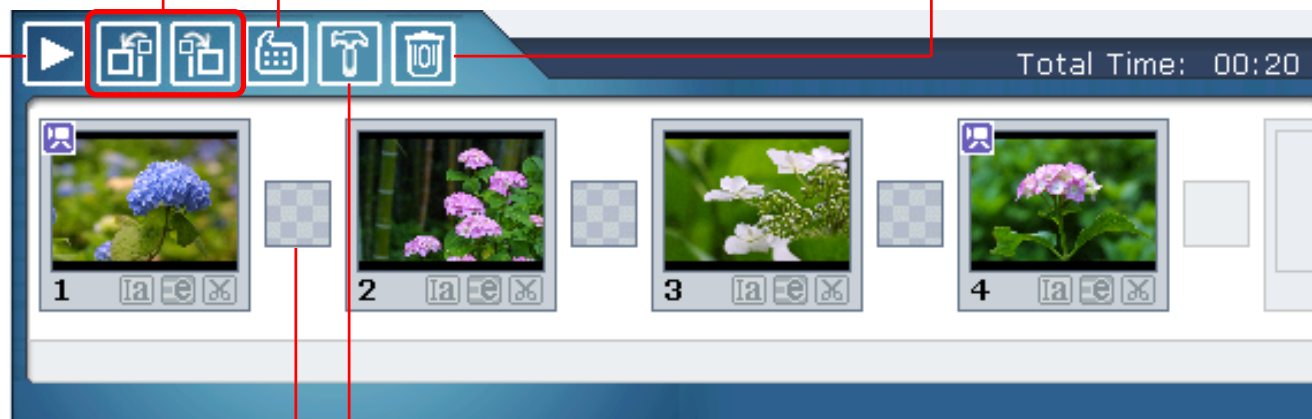
Features of the Storyboard Area

Changes the order of the selected images

Displays the properties of the selected image

Deletes the selected image from the storyboard area

Click this button to play the movie being edited



Transition Box

Displays the icon of the transition effect used to link adjacent images

Displays a dialog with the general movie editing settings



Features of the Arrange Window

Moves the image selected in the storyboard area one position to the left or right



You can set the playback range (start and stop points) of a movie selected in the storyboard area by clicking this button

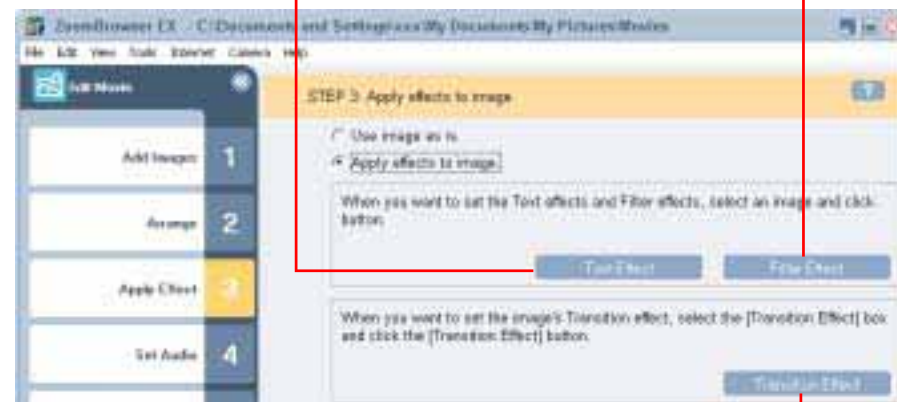
You can set the play duration of a still image selected in the storyboard area by clicking this button

Features of the Apply Effect Window

Superimposes titles and other text on the image selected in the storyboard area

You can set the font, display duration, display position and scrolling attributes of the text

You can change the image selected in the storyboard area into a sepia or monochrome image, or add noise for a film simulation



You can set the transition effect between images by selecting the transition effect box in the storyboard area and clicking this button

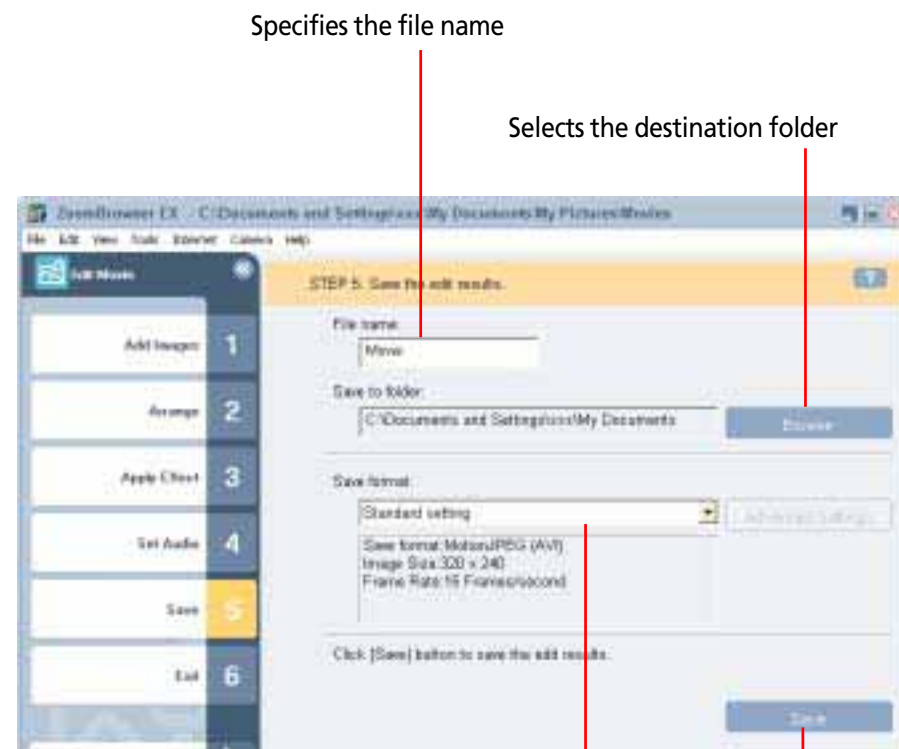
Features of the Set Audio Window

You can link MP3-format and WAV-format audio files as background music or sound effects
When you link a sound file using this procedure, a bar appears under the thumbnail in the storyboard area indicating the duration of the audio file



You can adjust the volume or set the fade-in or fade-out effect for a movie or its linked audio file by selecting it in the storyboard area and clicking this button

Features of the Save Window



You can set the size (height and width in pixels) and frame rate (frames/second) of the movie being saved by selecting [Motion JPEG (AVI)] and clicking the [Advanced Settings] button at the right

Saves the file

This feature changes a movie to another file format or size and exports it.

Procedures for Exporting Movies

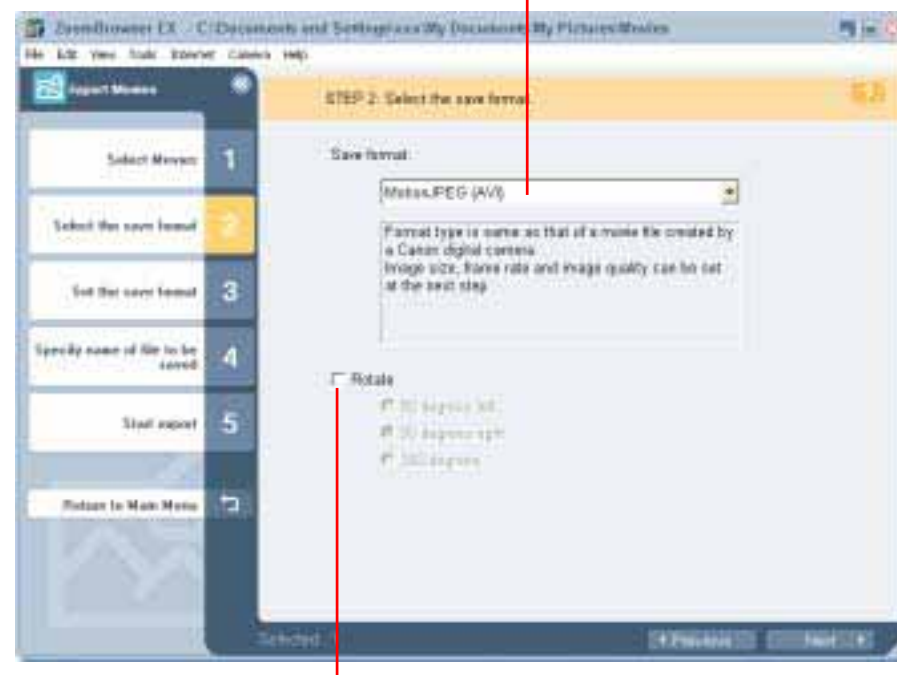
1. Click [View & Modify] in the main window, followed by [Export Movies].
2. Select a movie in the Browser Area and click [Next].
You can select multiple movies.
3. Follow the steps at the window's left-hand side to proceed. Finish by exporting (saving) the movie.
The features and procedures for each step are explained on the following pages.

Follow these steps to proceed



Features of the Select the Save Format Window

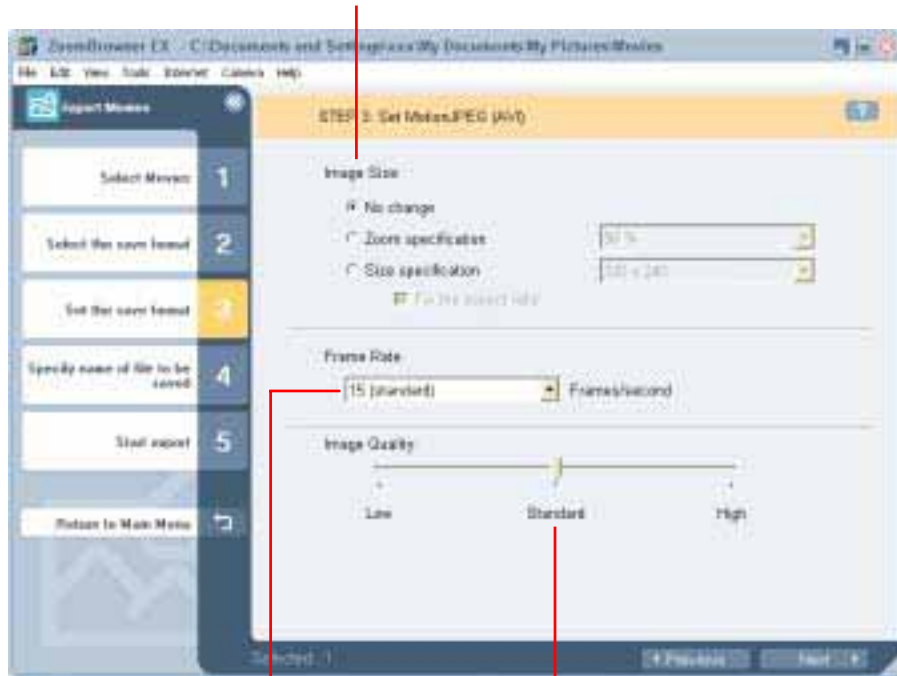
Select between [Motion JPEG (AVI)] and [QuickTime movie (mov)] as the format in which to save the movie file



To save the movie in a rotated orientation, click here to add a check mark and specify a rotation direction.
Use this feature when a camera has been turned on its end to shoot a movie sequence

Features of the Set the Save Format Window

To change the size of the movie being exported, select [Zoom specification] or [Size specification] and set the size

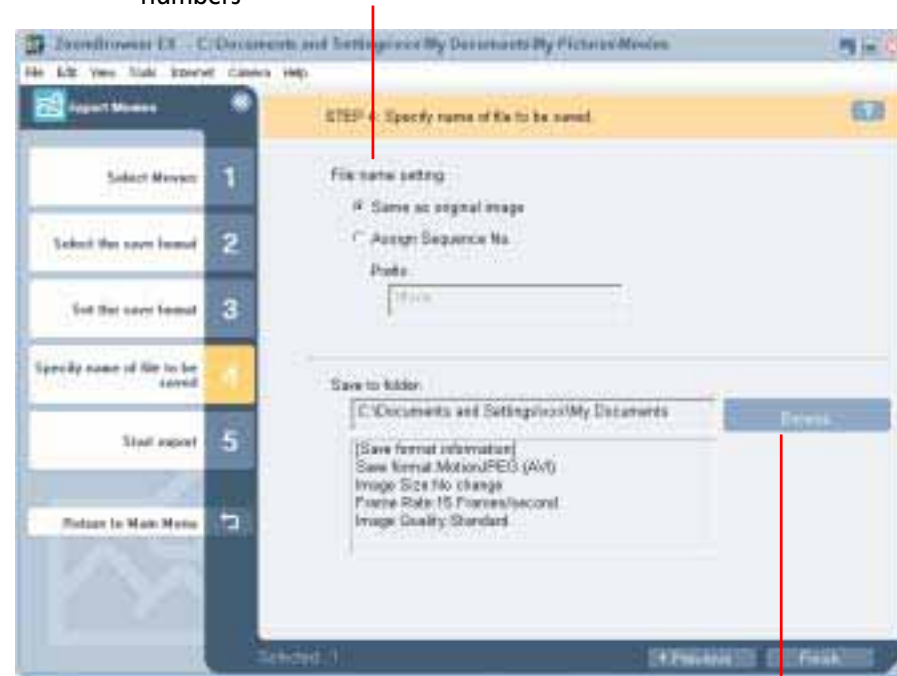


Selects the number of frames displayed each second

Sets the image quality. The higher the setting, the clearer the image, but the file size also increases correspondingly

Features of the Specify Name of File to be Saved Window

To save the movie under its original file name, select [Same as original image]
To assign sequential numbers in a multiple movie selection, select [Assign Sequence No.] and specify a root name to precede the numbers



Selects the destination folder

If your camera supports RAW images you can handle higher quality images.

However, the RAW format is a special file format and RAW images cannot be opened or processed in their native format in standard image processing programs. RAW images must first be converted to standard file formats, such as TIFF or JPEG formats. This section explains conversion procedures.

IMPORTANT

- Refer to the manual supplied with your camera to determine whether your camera supports RAW images or not.
- Depending upon your camera model, a different program than the one introduced here may start when you convert RAW images. If that occurs, refer to the manual for the software supplied with your camera.

REFERENCE

- RAW images are extremely high-quality images that are not subject to any deterioration due to compression processing.
- See the Help menu for conversion details. After you click [Process RAW Images], click the [Help] menu in the main window.

Converting RAW Images

1. Select a RAW image in the Browser Area.
2. Click [View & Modify] in the main window, followed by [Process RAW Images] in the next menu.



As shown on the next page, the main window, Navigator window, and Image Quality Adjustment Window will display.

REFERENCE

- If the Navigator window does not appear, click the [View] menu and select [Show Navigator].

Converting RAW Images (2/5)

■ Main Window

The conversion is conducted in this window.



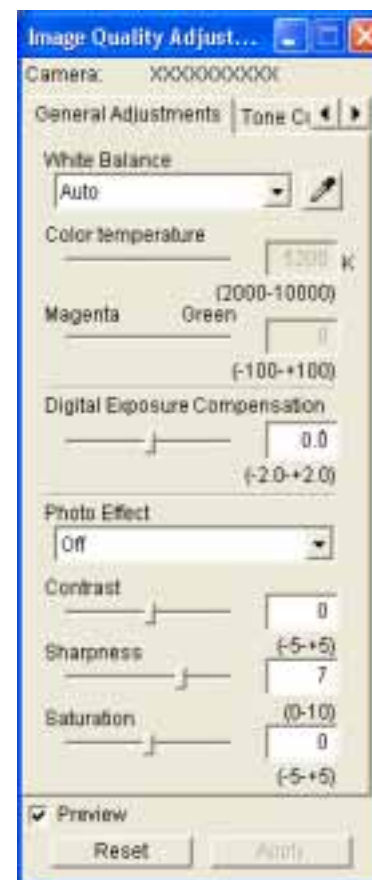
■ Navigator Window



You can change the area of a preview image that is zoomed in the main window by clicking this red frame and dragging it

■ Image Quality Adjustment Window

You can adjust the brightness, contrast and coloration of a RAW image as it is converted. See the *Features of the Image Quality Adjustment Window* for details.



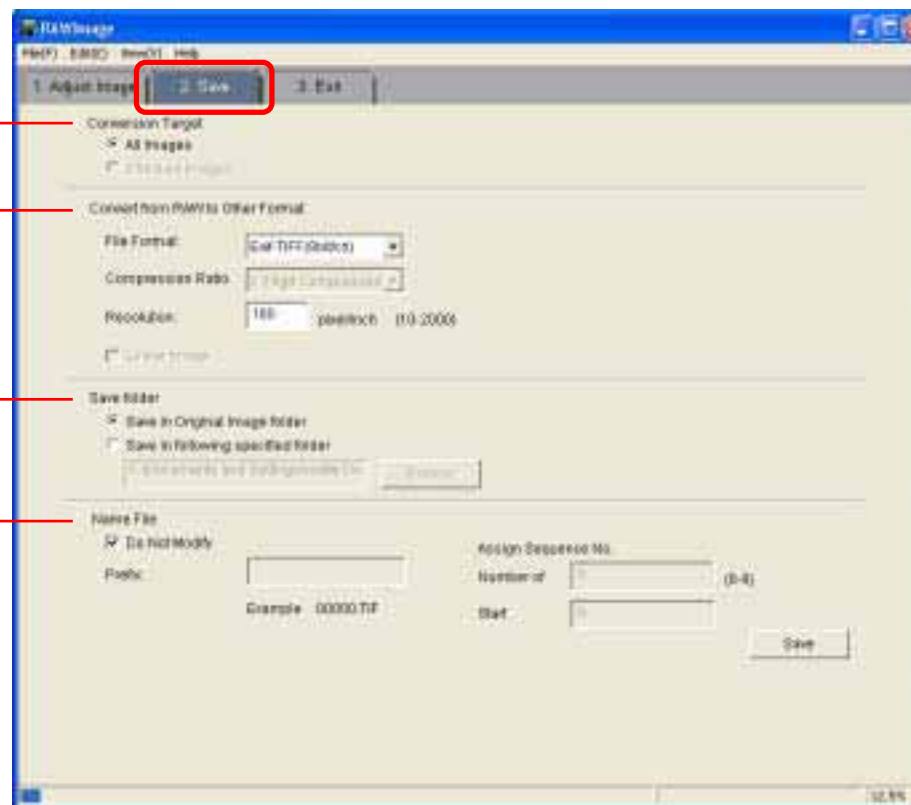
3. Adjust the image quality as required in the Image Quality Adjustment Window.
4. Click the [2. Save] tab in the main window, set the file format and save destination, and then click [Save].

Selects images that will be saved with the same settings (All images, or images marked with a check in the main window)

Selects the image file format

Sets the destination folder for the image file

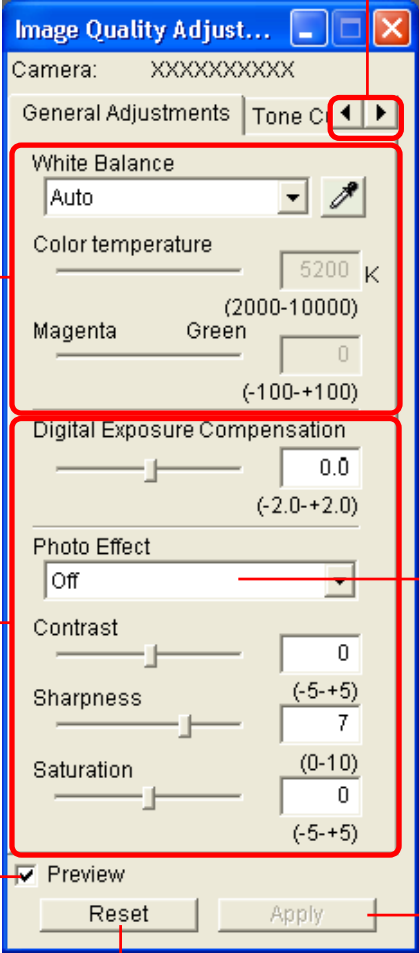
You can change the image file name



5. Click the [3. Exit] tab and click [OK].

Features of the Image Quality Adjustment Window

The adjustable categories may vary according to your camera model.



Scrolling Tab Titles
Click the arrows to display the other tab titles. Click a tab title to change tabs and access the other settings

Tone Curve Tab
You can adjust the RGB channel settings together or individually

Advanced Adjustments Tab
You can set the settings for noise reduction processing, fading correction and the output color space

Adjusts the white balance by the light source or color temperature, etc.

Adjusts the digital exposure compensation, photo effect, contrast, sharpness and saturation

With a check mark here, settings changes in this window are immediately reflected in the image

Restores all adjustments to the initial shooting settings

Applies the settings to the displayed image

Selects preset color schemes or My Color custom color schemes (see next page for explanation)

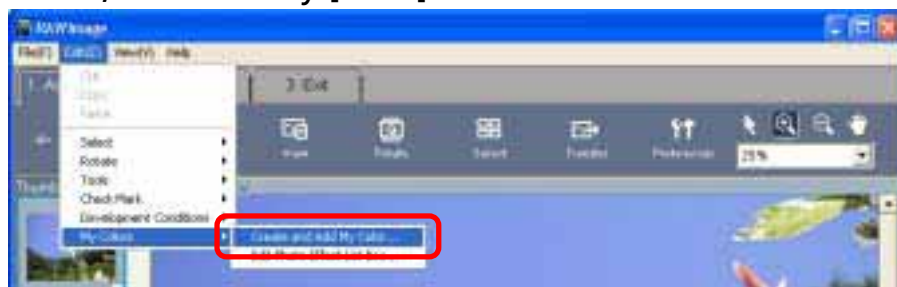
Registering Custom Color Schemes (My Color)

If you register a custom color scheme as a “My Color” scheme, you can apply this scheme easily to additional images when you convert RAW images.

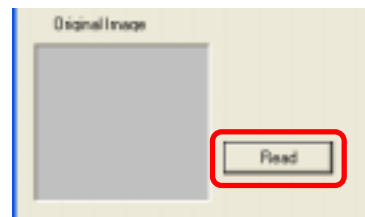
IMPORTANT

- To register a “My Color” scheme, two images are required: the pre-adjustment image and the post-adjustment image. Use ZoomBrowser EX’s image editing functions to prepare the two images before proceeding. Save the two images in the BMP, TIFF or JPEG format.

1. Click the [Edit] menu and select [My Color].
2. Select [Create and Add My Color] from the next menu, followed by [Next].



3. Click [Read] beside the original image, select the pre-adjustment image (original image) and click [Next].



4. Click [Read] beside the target image, select the post-adjustment image (target image) that you have modified with an image editing program, and click [Create].

The program will calculate the differences between the original and target images, apply those corrections to the original image and display the results as the Preview My Color Applied to the Image.



5. Check the Preview My Color Applied to the Image and click [Next].
6. Type a name or comment and click [Finish].

REFERENCE

- You can apply the registered My Color scheme to additional RAW images when you convert them by selecting it from the Photo Effect menu in the Image Quality Adjustment Window.

This section explains the procedures for remote shooting, the process of operating the camera shutter remotely from a connected computer.

IMPORTANT

- To confirm whether your camera supports remote shooting or not, check the guides that accompanied the camera.
- Ensure that the camera and computer are connected with an interface cable and that the camera is ready to transfer data before attempting remote shooting. If the camera is equipped with a lens cover, ensure that it is open.
- Ensure that you turn off your computer's standby feature before you begin remote shooting. The results cannot be guaranteed if the computer enters the standby mode while remote shooting.
- Except for the shutter button, the camera's buttons and switches, including the zoom, cannot be manually operated while the camera is being remotely controlled.
- The time lag between pushing the shutter button and the release of the shutter is slightly longer for remote shooting compared with the normal mode of operation.
- Depending upon your camera model, a program different from the one shown here may start up. Please refer to the manual for the software supplied with your camera if this occurs.

REFERENCE

- See the Help menu (it can be opened from the [Help] menu in the remote shooting window) for detailed operating procedures for remote shooting.
- Images captured while remote shooting are saved into the folder that was selected when [Remote Shooting] was clicked.

Remote Shooting Procedures

Check to make sure that the camera is attached to the computer and ready to transfer data, then click [Camera & Memory Card] in the main window, followed by [Remote Shooting] in the next menu.



A remote shooting window like that below will open. Clicking the [Release] button in this window records the image.



The image captured by the camera displays here

This button turns the display on or off

Features of the RemoteCapture Task Window

Switches between showing and hiding the viewfinder and the detailed settings sections.

You can add a comment to an image by clicking to place a check mark here and inputting text in the box below.

Selects the image's recording size and compression

Sets the rotation setting of the image being recorded. This setting cannot be adjusted if your camera's Auto Rotate function is set to On.

Releases the camera shutter (you can also release it by pressing the camera's shutter button or the space bar on the keyboard)

Viewfinder

Sets the camera's zoom

Turns the viewfinder display on or off

Refreshes the exposure, focus and white balance settings (these settings remain fixed until this button is clicked)

Sets the shooting settings. It is divided into the "Field angle/flash" tab and the "Shooting settings" tab. (The settings categories vary according to your camera model)



Other Remote Shooting Features

Interval Timer Shooting

Interval timer shooting is the method of capturing images in which a set number of frames is recorded at set intervals of time.



Click the [Shooting] menu in the RemoteCapture Task window and select [Interval Timer Shooting] to open a confirmation dialog. Click [OK] to open a window like the one shown here. Set the values and click [Start] to start shooting. The interval may be set to a range from 5 seconds to 60 minutes.

REFERENCE

- You may not be able to record at the set interval if it is too short for the camera to transfer and save the image data.

Timer Shooting

Timer shooting is the method by which a single image is recorded after a set number of seconds.



Click the [Shooting] menu in the RemoteCapture Task window and select [Timer Shooting] to open a window like the one shown here. Set the number of seconds for the delay and click [Start]. The timer may be set to a range from 2 seconds to 30 seconds.

Saving and Recalling Shooting Settings

You can save the current zoom settings and the settings in the "Field angle/flash" and "Shooting settings" tabs by clicking the [File] menu in the RemoteCapture Task window and selecting [Save Shooting Settings].

Later when you wish to recall those settings, click the [File] menu in the RemoteCapture Task window and select [Batch Shooting Settings].

Displaying the Subject in the Camera's LCD Monitor

You can use the camera's LCD monitor or a television connected to the camera to view the subject while shooting remotely.



Click the [Camera] menu in the RemoteCapture Task window and select [Camera Display Settings] to open a window like the one shown here.

Select [Camera LCD monitor] or [Video Out terminal] and click [OK].

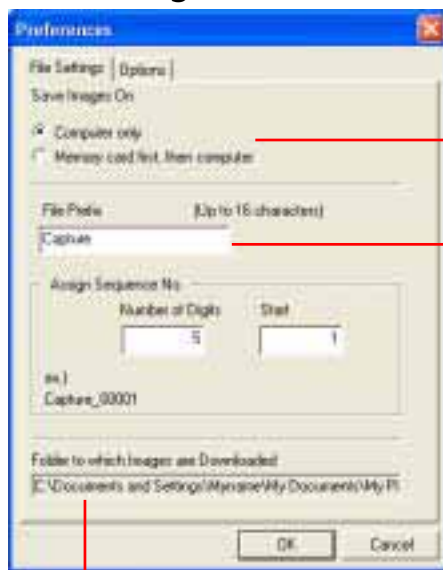
REFERENCE

- See the *Camera User Guide* for instructions for connecting the camera to the television.

Remote Shooting Default Settings

You can display the default settings for remote shooting by clicking the [File] menu in the RemoteCapture Task window and selecting [Preferences].

File Settings Tab

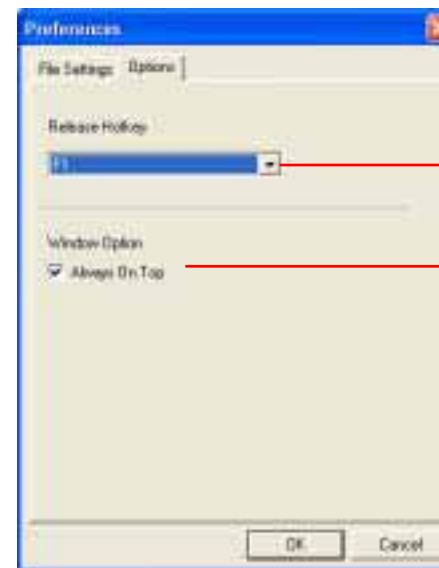


Sets whether images are saved only to the computer, or also to the camera's memory card

Sets the root file name for saved images. For example, if you type "Capture," file names are automatically assigned in ascending order starting from "Capture_00001.jpg". You can also change the number of assigned digits and the starting number

Folder to which recorded images are saved
(folder selected at the point when remote shooting was started)

Options Tab



You can release the shutter using the key specified here

Click to place a check mark here to have the RemoteCapture Task window remain in front at all times

REFERENCE

- If you click [Save Images On] and select [Computer only], you can record images when the memory card in the camera is full and will not accept more images or when it is not present.

If you have several images of the same scene with only slight differences, you can use PhotoStitch to connect the images together to make a panoramic image. This section explains how to use this program to stitch images.

REFERENCE

- For detailed information on how to use PhotoStitch, refer to PhotoStitch Help (accessible from the [Help] menu).
- You can make it easier to stitch images together by using the camera's Stitch Assist mode to shoot them.

Opening PhotoStitch

Click [View & modify] in the main window, followed by [Stitch Photos] in the next menu.

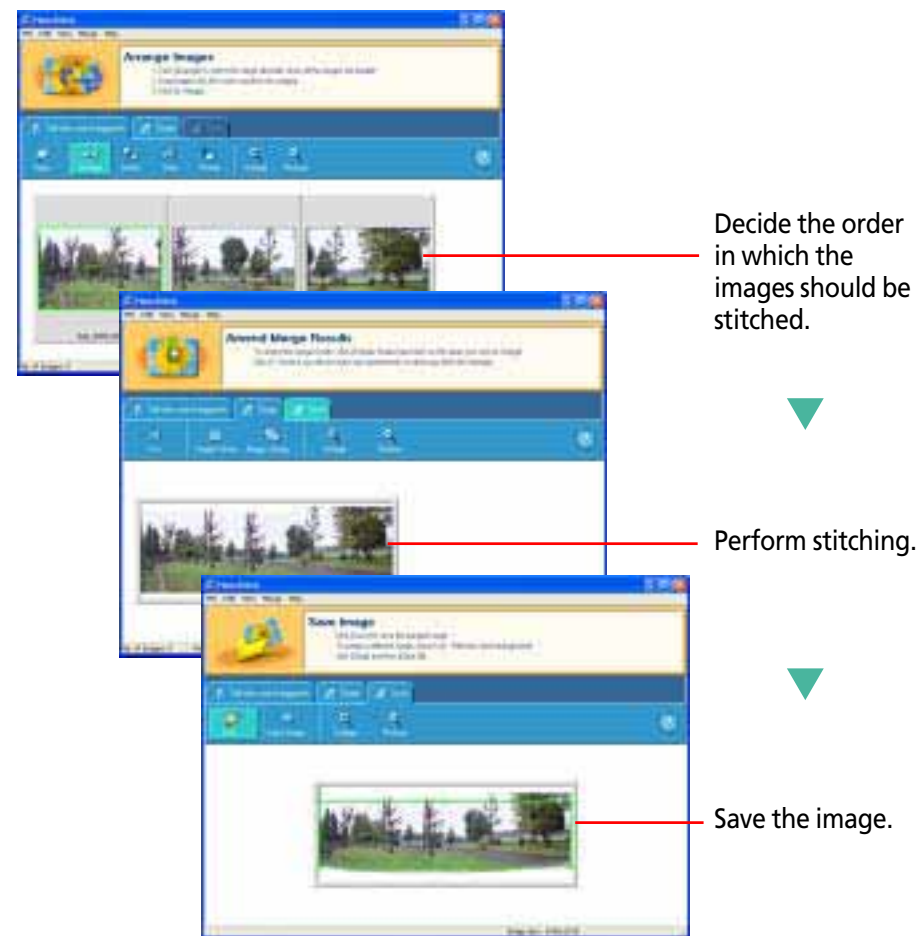


In the Browsing Area, select the images you would like to merge and click [Finish].

REFERENCE

- You can also start PhotoStitch by clicking an image with the Stitch Assist mode mark (a line with arrows) in the Camera Window.

Then, follow the instructions on the upper part of the PhotoStitch window, and stitch your images together.



REFERENCE

- You can also start PhotoStitch by clicking the [Tools] menu and selecting [Stitch Photos].

Saving Images to CD-R/RW Disks

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

IMPORTANT

- This feature is only possible with computers satisfying the following conditions.
 - Windows XP is pre-installed
 - A CD-R/RW drive is built-in

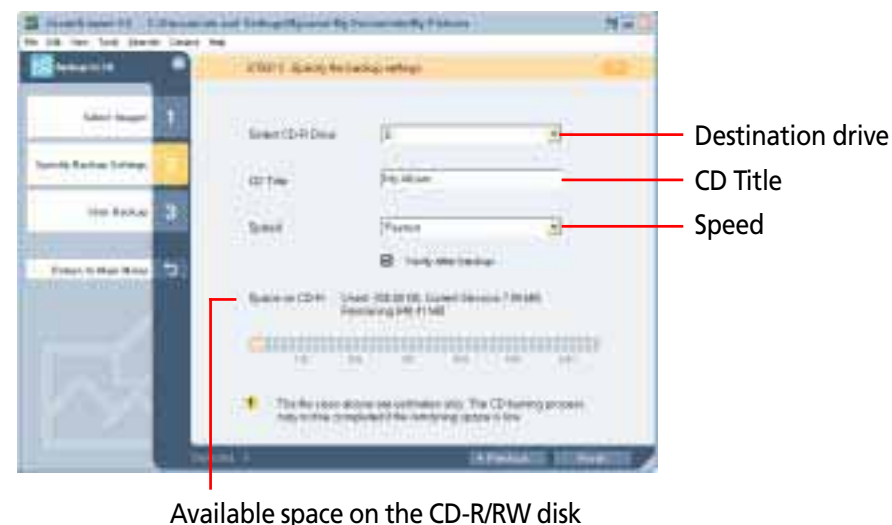
REFERENCE

- You can add additional images to a CD-R/RW disk that has been written to previously.

1. Place a CD-R/RW disk in the drive.
2. If a window like the one shown here appears, click [Cancel] and close the window.



3. Click [View & Modify] in the ZoomBrowser EX main window and [Backup to CD] in the next menu.
4. In the Browsing Area, select the images or folders you wish to save and click [Next].
5. Select the destination CD-R/RW drive, input a title for the CD and click [Finish].



This will copy the images to the CD-R/RW disk.
The disk will be ejected from the drive when copying is complete.

The following is a list of file formats supported by ZoomBrowser EX.

Readable files

ZoomBrowser EX can read the following file formats.

■ JPEG files (.JPG)

Most cameras use this file format. It compresses at very high ratios, taking advantage of the characteristics of the human eye. However, because it is an irreversible compression method (part of the data is lost during compression), if you process and save an image repeatedly using this method, the image may become rougher.

■ RAW files (.CRW)

This format is a proprietary file format provided by Canon. It saves the output of the image pixels from a digital camera without any deterioration in the quality of the image. Some cameras might not support this file format.

■ Windows bitmap files (.BMP)

This format comes standard with Windows. Most Windows programs support it.

■ TIFF files (.TIF)

This is a relatively popular format. It is widely supported by non-Windows programs (such as Macintosh).

■ PhotoCD files (.PCD)

This is the format used by Photo CDs.

■ Video clip files (.AVI)

This is the standard Windows video file format. The ZoomBrowser EX Browsing Area will display a thumbnail image and the video camera symbol.

When you click the thumbnail or movie icon, QuickTime Player starts and plays the video clip. (You must install QuickTime Player before you can use it.)

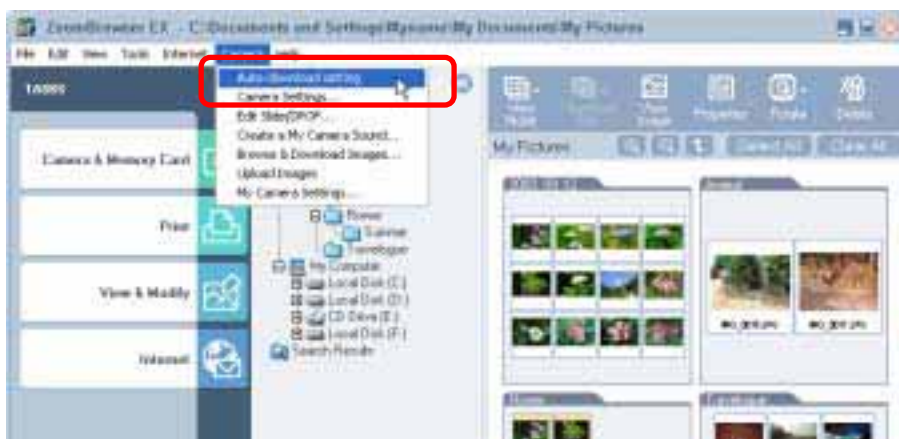
■ QuickTime files (.MOV)

This is a movie file format. The file appears as a movie mark in the Browsing Area of ZoomBrowser EX. When you click the movie mark, QuickTime Player starts and plays the movie. (You must install QuickTime Player before you can use it.)

Auto-Download Settings (1/3)

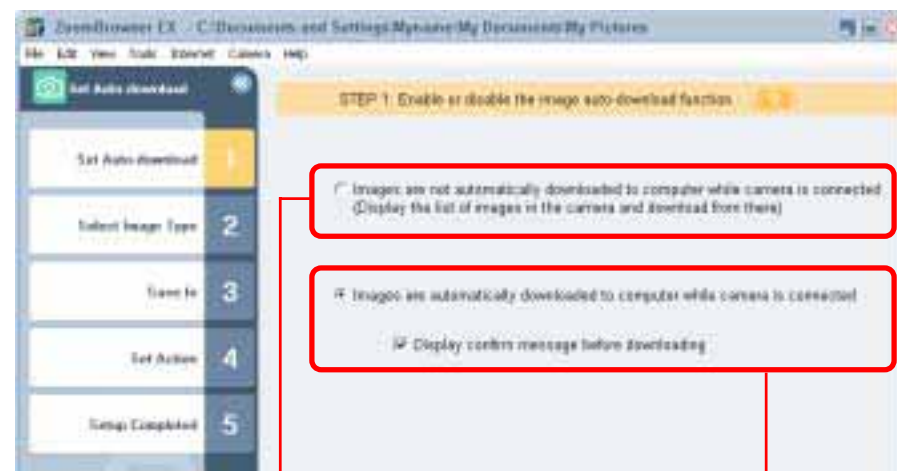
You can set which downloading method is used after ZoomBrowser EX starts automatically when the camera is connected to the computer. You can also use this setting to specify the downloading process when the camera is connected to the computer after ZoomBrowser EX is already running, or when you click the [Camera & Memory Card] task button and select [Browse & Download Images].

1. Click the [Camera] menu and select [Auto-download setting].



The Auto-Download Settings window will open.

2. Select the action executed when the camera is connected and click [Next] or [Finish].



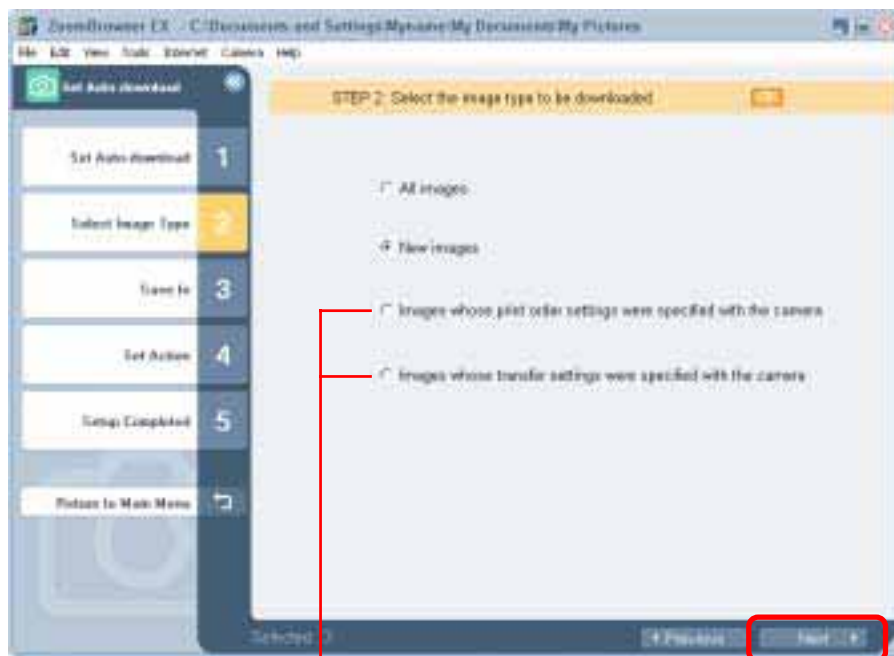
If you select this option, the Camera Window will automatically open when the camera is connected. After choosing this option, click the [Finish] button to close the settings window.

If you select this option, the images in the camera will automatically download to the computer when the camera is connected. However, if you place a check mark beside the [Display confirm message before downloading] option, the window at the right will display, allowing you to select an action.



Auto-Download Settings (2/3)

- 3.** Select the type of images to download and click [Next].

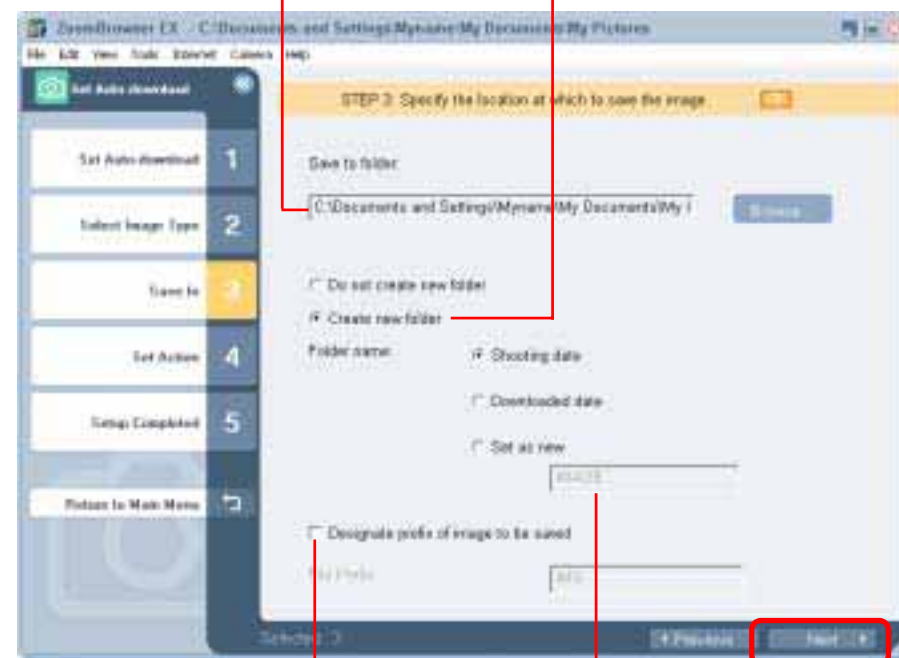


If you click either of these two options, only the images selected with the camera functions will download.

- 4.** Select the image destination and click [Next].

Specifies the folder to which images are saved

Select this option to have the images saved into new folders created within the folder specified in the category above. Select from the options below for the naming conventions for the new folders.

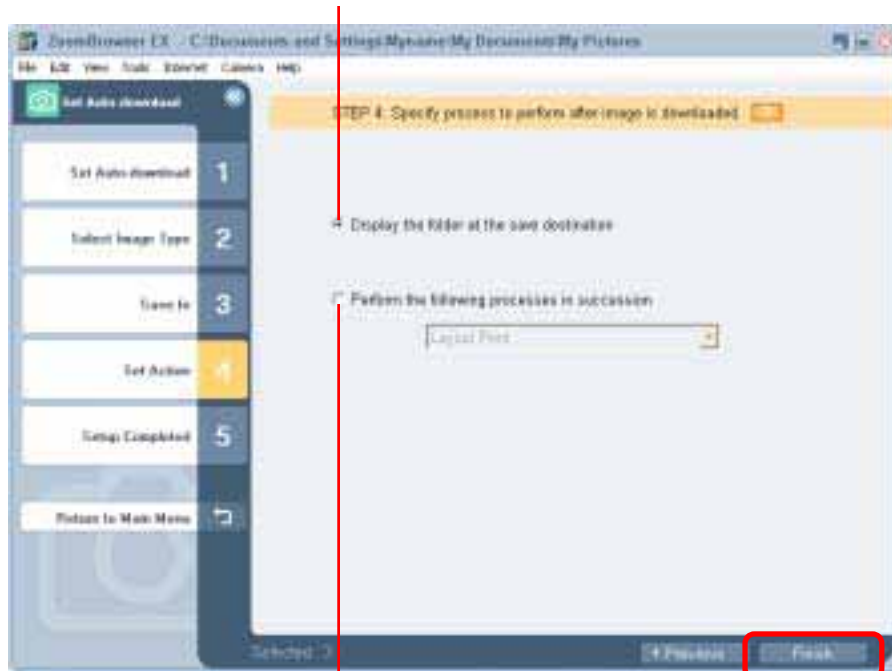


Type a folder name here if you select the [Set as new] option.

If there is no check mark in this option, the file name for the image is kept the same as the file name in the camera (the file name assigned by the camera when the image is recorded). For example, the name might be "IMG_XXXX.JPG." If you place a check mark in this option and type a root name, the image file name becomes "root + XXXX.JPG," where root is the word you type and the "Xs" represent numbers.

5. Choose the action to be executed after images are downloaded and click [Finish].

After downloading, display the folder containing the images



After downloading, you can have it continue to process images.

- Layout Print
- Contact Sheet Print
- View as slideshow
- Send by e-mail

ZoomBrowser EX provides a variety of preference settings that you can customize to make the program work the way you like. This section introduces some of the major preference settings you can change.

REFERENCE

- ZoomBrowser EX offers a wide variety of preference settings that you can customize. Therefore, before you modify an option, access Help from the [Help] menu or the [?] (Help) button to see a description of the option.

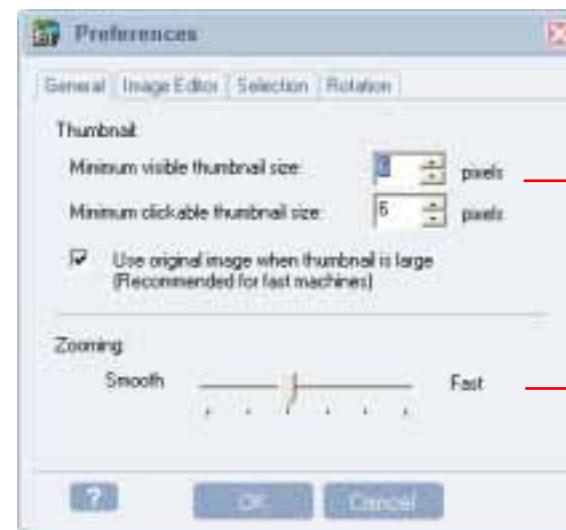
Opening the Preferences dialog box

Click the [Tools] menu and select [Preferences] to open the Preferences dialog. To change a setting, click the appropriate tab in this window.



General Tab

Sets the thumbnail settings for the Browsing Area and the zoom options.

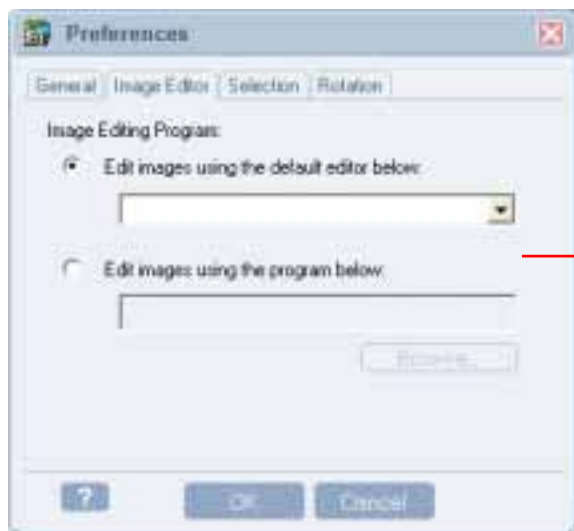


Sets the thumbnail settings for the Browsing Area.

This group box controls the way the zoom operations react in the Browsing Area (Moving the slider to the right increases the image display speed).

Image Editor tab

This tab selects the application program when a program other than ZoomBrowser EX is used to edit images.



Selects the program to start when you click the [View & Modify] menu in the main window and select [Edit Image].

REFERENCE

- “Edit images using the default editor below” has a list containing an image editing program that is detected automatically. If you want to use a specific program other than the default, click “Edit images using the program below” and use the [Browse] button to locate the program.

Selection Tab

This tab sets the image selection methods and the image selection steps used with the task buttons.



Sets the image selection method.

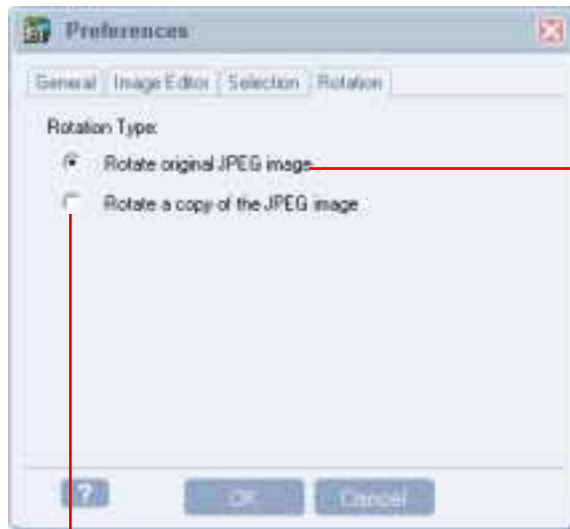
Remove this check mark to streamline the image selection steps when a task button is used.

REFERENCE

- With [Windows standard selection], the first image is deselected when a second image is clicked. Multiple selections can be made by holding down the [Ctrl] and [Shift] keys while clicking on successive images.

Rotate Tab

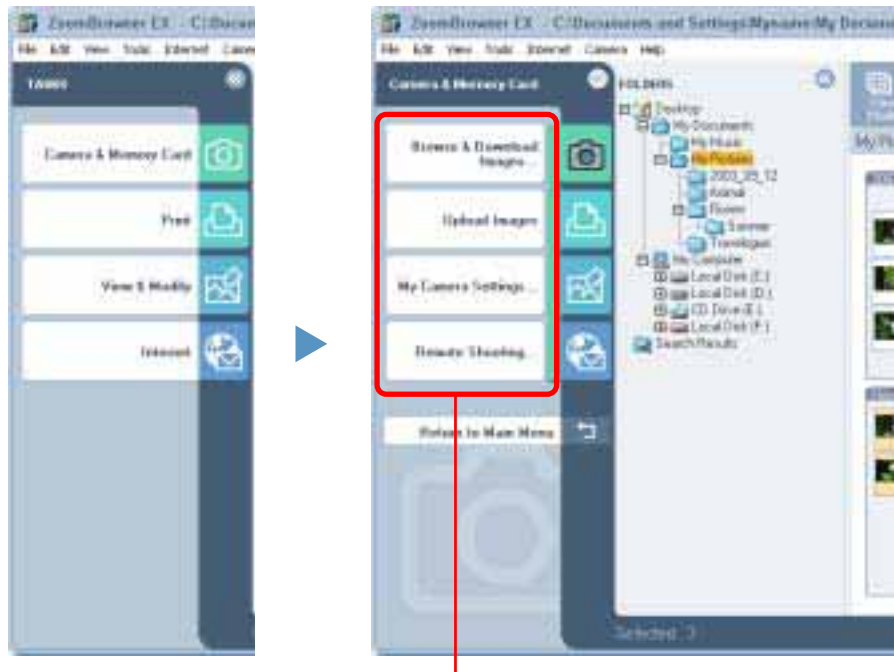
This tab sets the rotation settings.



Place a check mark here to have the original image rotated as well when a JPEG image is rotated in the Browsing Area. Only the rotated image is sent to the Browsing Area when you download an image that has been rotated in the Camera Window.

Place a check here to have the original image left untouched and the rotation applied to a copy when a JPEG image is rotated. Both the original image and the rotated image are sent when an image rotated in the Camera Window is downloaded to the Browsing Area.

Sets whether options are shown or hidden on the menus opened by clicking task buttons in the main window.



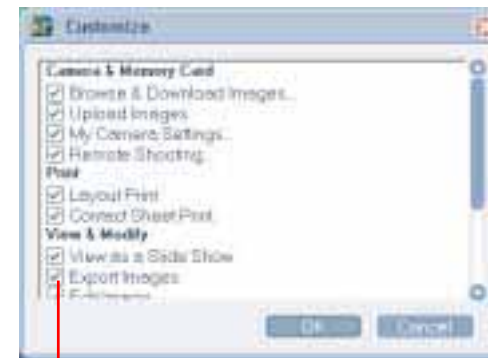
Sets the categories displayed in this menu.

REFERENCE

- Use this function to hide items not used on a daily basis to streamline the menus or to shorten the menus so that scrolling is not required.

Click the [Tool] menu and select [Customize] to open a window like the one shown below.

Use this window to set the categories to display and click [OK].



Remove the check mark from the menu items you wish to hide.


Setting up Slide Shows on the Camera

If the camera comes with a slide show feature, you can use ZoomBrowser EX to edit slide shows.

IMPORTANT

- Ensure that the camera and computer are connected with an interface cable and that the camera is ready to transfer data before you perform this procedure.

REFERENCE

- See the guide for your camera for information on using and playing slide shows.
- You can also set slide show settings by clicking  (Set) in the Camera Window and selecting [Slide/DPOF] in the next menu.

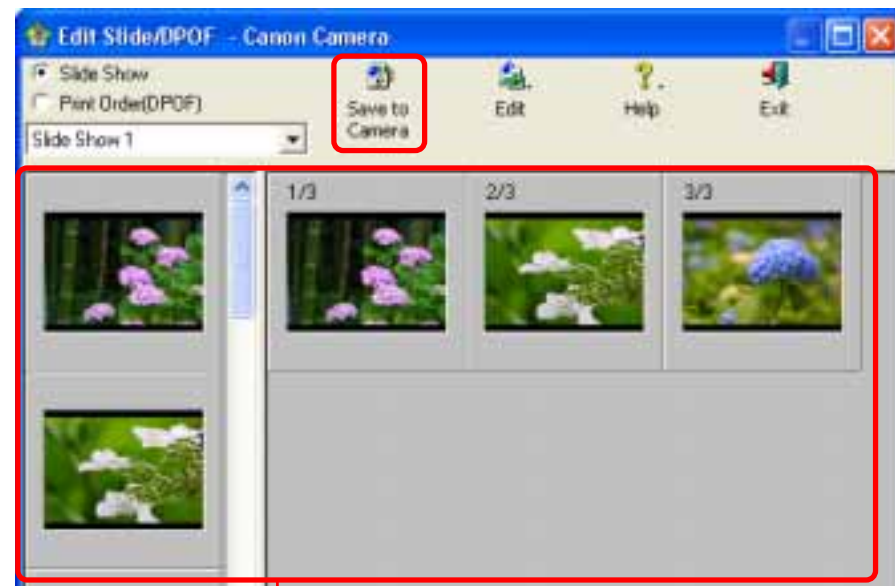
How to set up a slide show

Click the [Camera] menu in the main window and select [Edit Slide/DPOF]. Click the [Slide Show] button at the top left of the next window and select the number of the slide show you wish to edit.



Select a slide show number.

From the image list on the left, drag images to the right area and arrange their sequence for the slide show.



From the image list on the left, drag images to the right area and then arrange their sequence for the slide show.

When you are done arranging the slide sequence, click [Save to Camera] to save the slide show setup.

REFERENCE


- If you want to change the sequence of some images, just drag them to the right place in the area on the right.
- If you want to remove an image from the slide show, select the image. On the [Edit] menu, click [Clear].

You can use ZoomBrowser EX to register print settings on a memory card, including the images to print and the number of copies.

IMPORTANT

- This feature does not work with unconverted RAW images. If you want to print RAW images, convert them first, copy them to the camera and perform this operation.
- Ensure that the camera and computer are connected with an interface cable and that the camera is ready to transfer data before you perform this procedure.

REFERENCE

- DPOF is a standardized format for recording print settings, such as the image selection and number of copies. After DPOF print settings have been set, you can take a memory card to a camera store or developing laboratory and have the images printed according to the settings.
- You can also set the print settings by clicking  (Set) in the Camera Window and selecting [Slide/DPOF] in the next menu.

How to make DPOF print settings

Click the [Camera] menu in the main window and select [Edit Slide/DPOF]. Click the [Print Order (DPOF)] button at the top left of the next window and select the print type.



Select the print type.

Standard Print

Prints the specified number of copies of the images that you selected.

Index Print

Prints only thumbnails of the images that you selected.

Both (Standard/Index)

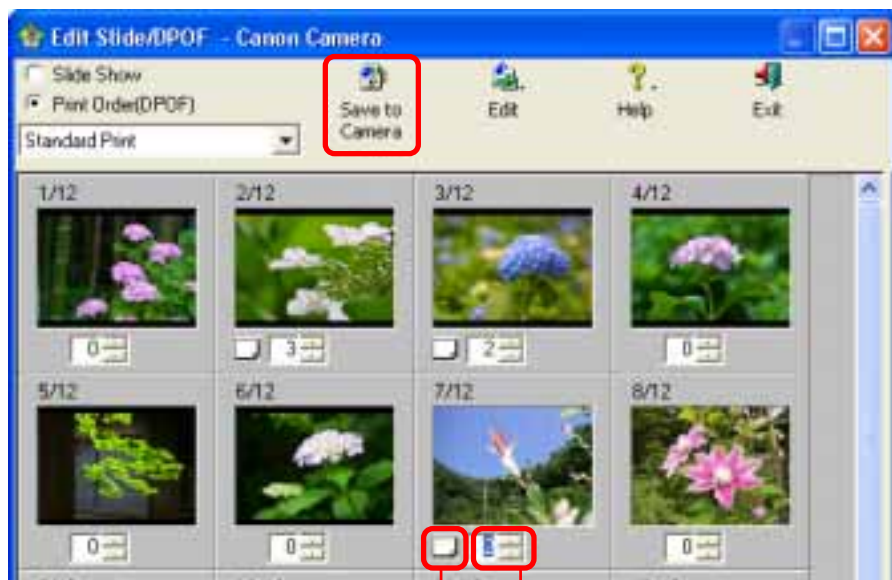
Prints the specified number of copies and thumbnails of the images that you selected. In addition, it produces an index print of small versions of all the images.

REFERENCE

You can also click [Edit] and then click [Include in index print] to include the image date and file number in the prints.

Standard printing

The number under each image indicates the number of copies to print. Use the arrows next to the boxes to select the number of copies you want.



The standard print icon displays when a number of copies is specified.

Specify number of copies to print.

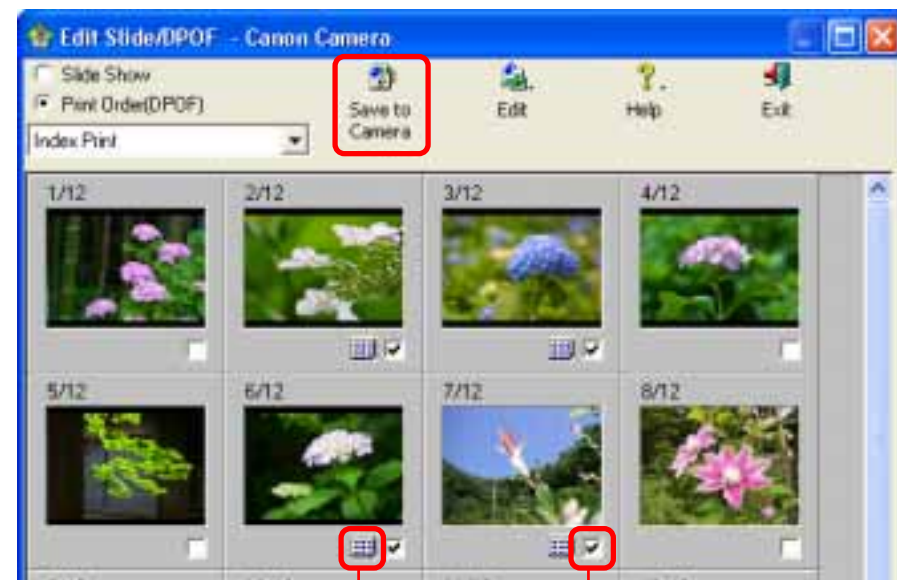
When you are done with your selections, click [Save to Camera] to save the information.

REFERENCE

- The procedure explained above also applies when the print type is "Both (Standard/Index)".

Index printing

To include images in an index print, select the check box under the image.



The index print icon displays when a check mark is added to the image.

Select the check box to include the image in the index print.

When you are done with your selections, click [Save to Camera] to save the information.

This section explains how to troubleshoot problems.

The event dialog box does not appear

The dialog below fails to appear even though the camera is correctly connected to the computer via the interface cable and ready to transfer data...



Or, a message, such as “No camera was found”, appears when you attempt to download images from the camera...

In either case, confirm the status of each of the following items in order.

IMPORTANT

- With some versions of Windows, this dialog may not appear the very first time the camera is connected to the computer after it is booted up. (It will display subsequently.)
In that case, use either of the following procedures.
- Start ZoomBrowser EX
Double-click the [ZoomBrowser EX] icon on the desktop.
- Connect the Camera
Click the [Start] menu and select [Programs] or [All Programs], followed by [Canon Utilities], [CameraWindow] and [CameraWindow].

■ Check your Computer

Ensure that your computer meets the following requirements. ZoomBrowser EX will not operate on computers failing to meet these requirements.

- Built-in USB ports on a computer pre-installed with Windows XP, Windows 2000, Windows Me, or Windows 98 (First or Second Edition).

■ Check the Connection between the Camera and Computer

Confirm that the camera is correctly attached to the computer with an interface cable. For information on the connection, refer to the documentation that comes with the camera.

If You Were Using ZoomBrowser EX Version 2 or 3

■ Images Were Assigned Titles or Comments

1. Start Windows Explorer by clicking the [Start] menu and selecting [All Programs], followed by [Accessories] and [Windows Explorer].

(With Windows 2000/Windows Me/Windows 98, right-click the [My Computer] icon and select [Explore] from the popup menu.)

2. Open the [Program] folder inside the folder into which ZoomBrowser EX 4 was installed.

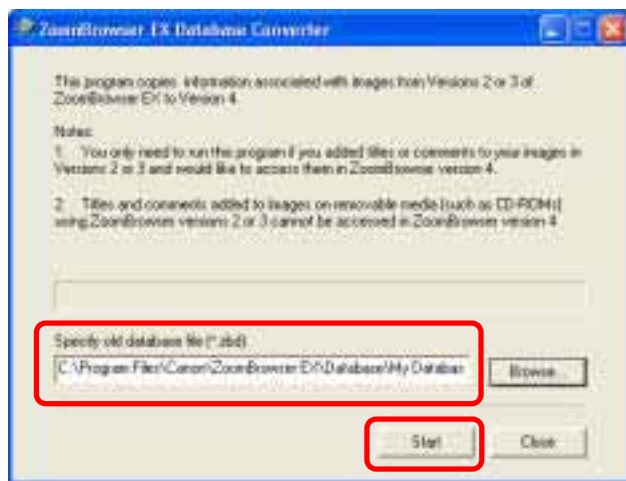
For example, open the folder to the right if the following path is correct:
[C:\Program Files\Canon\ZoomBrowser EX\Program].

-
- A screenshot of a Windows Explorer window. The address bar shows the path 'C:\Program Files\Canon\ScanWizard EP\Programs'. The left sidebar shows the 'Folders' pane with 'Programs' highlighted by a red rectangle. The right pane shows the contents of the 'Programs' folder, including files like 'cdmnet_hot...', 'lsmat_jm...', 'L12R110...', 'sfc4...', 'pctutil...', and '...'.

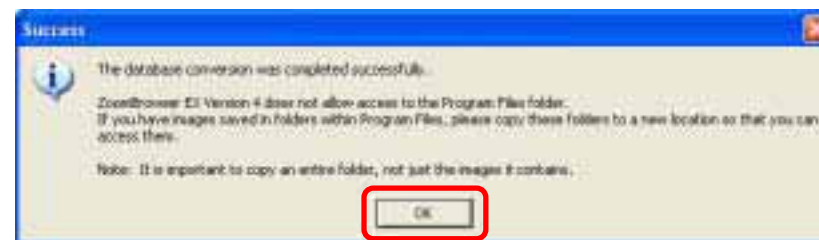
- 3.** Double-click the [dbconverter.exe] or [dbconverter] file in that folder.



- 4.** Select the database file that was used with the previous version of the program and click [Start].
For example, select the following database file if it was used previously: [C:\Program Files\Canon\ZoomBrowser EX\Database\My Database.zbd].

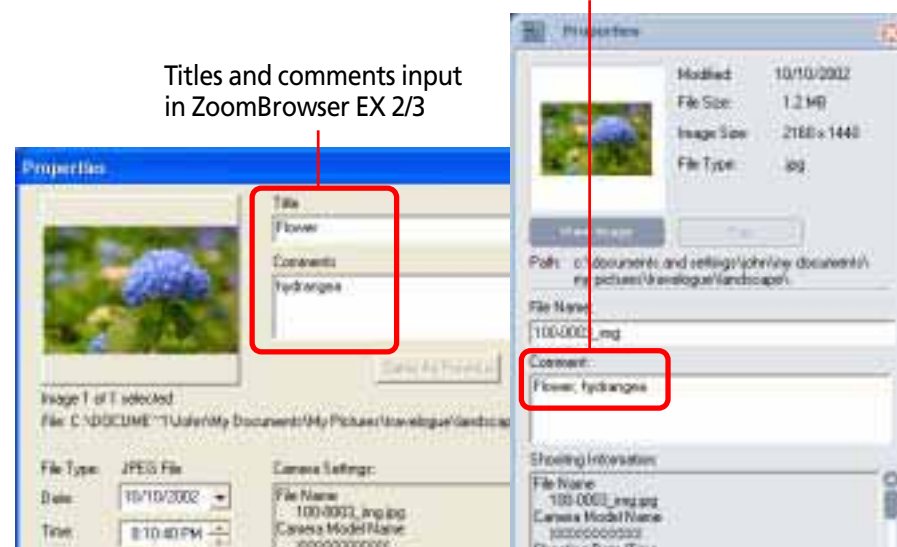


- 5.** Click [OK] if the following dialog appears.



- 6.** Click [Close] when the dialog in Step 4 appears.
This will display in ZoomBrowser EX 4 the titles and comments input in version 2 or 3. The titles and comments will appear together in the Comments section of ZoomBrowser EX 4.

Titles and comments as they appear in ZoomBrowser EX 4

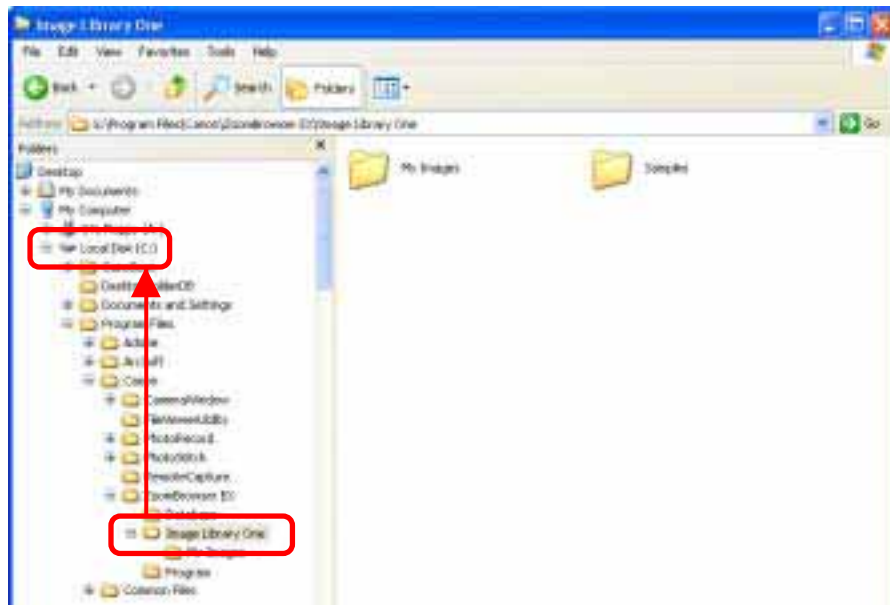


■ Image Files Were Saved Below the Program Files Folder in a Previous Version

In ZoomBrowser EX 4, image files in folders within the Program Files folder will not display. To display these images, perform the procedures below after you have followed steps 1-6 on the previous page.

1. Use Windows Explorer to copy the image folders within the Program Files folder and paste them in another folder higher in the directory hierarchy.

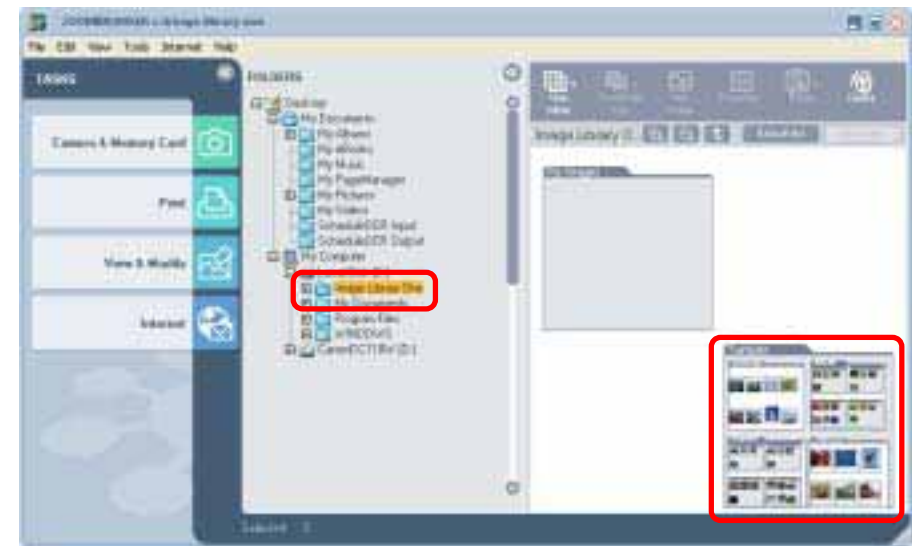
For example, if a folder called the [Image Library One] folder is in the Program Files folder, move it to a higher location, such as the [C:] drive.



IMPORTANT

- Do not copy just the images from within the folder, copy the folder itself to a location higher in the directory hierarchy.

When you select the copied folder in ZoomBrowser EX 4, the images will now display.



Click the copied folder to display its images in the Browsing Area.

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ZoomBrowser EX Software User Guide

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