

Click a tab to jump  
to that chapter.

**Canon**

# Software User Guide

## for Windows

- ZoomBrowser EX
- PhotoStitch

- ▶ How to Use This Manual
- ▶ New Features in This Version



# About this Manual

## Notation Conventions

The contents of this manual are classified according to the following symbols.

### ! IMPORTANT

- The “Important” sections contain operating precautions or important topics. Ensure that you read them.

### 💡 HINT

- The “Hint” sections contain procedural suggestions and tips for your convenience. Read them as necessary.

## Operating Environment

- 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.
- The displayed screens and procedures may also differ slightly from the examples depending upon the camera or printer model in use.
- The explanations in this guide are based on the premise that a Canon compact camera will be used with the software.

## Word Searches

This document is provided as an Adobe Reader document. Use Adobe Reader’s Search functions to find specific words or phrases that you recall but cannot find. To access this function, in Adobe Reader click the [Edit] menu and select the [Search] option.

If you are using Adobe Reader 8 or later, you can also perform searches with the [Find] function right on the toolbar.



Input search text here

This page and the next present the basic functions of ZoomBrowser EX as well as some of its special features.

### To Download

- ▶ Downloading (p. 10)



### To Print

- ▶ Printing (p. 13)



### To View

- ▶ Magnifying the Display (p. 21)



- ▶ Displaying Shooting Information (p. 21)



- ▶ Comparing Images (p. 40)



- ▶ Slideshows (p. 34)

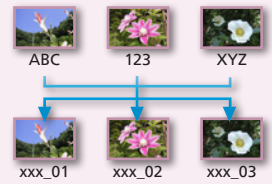


### To Organize

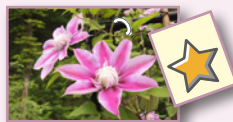
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- ▶ Using Comments (p. 36)



- ▶ Performing Searches (p. 38)



Next ▶

## To Edit

- ▶ Adjusting Color and Brightness (p. 23)



- ▶ Inserting Text (p. 24)



- ▶ Converting RAW Images (p. 28)



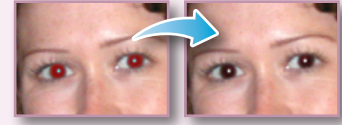
- ▶ Formatting Images as Wallpaper (p. 31)



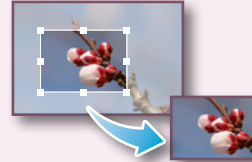
- ▶ Resizing Images (p. 29)



- ▶ Red-Eye Correction (p. 22)



- ▶ Trimming (p. 24)



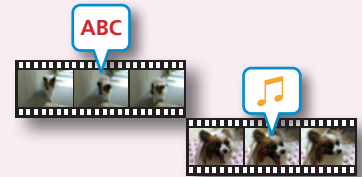
- ▶ Merging Images into Panoramas (p. 27)



- ▶ Extracting Still Images from Movies (p. 30)



- ▶ Editing Movies (p. 27)

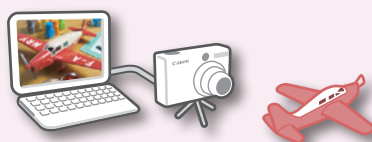


## To Connect to a Camera

- ▶ Uploading to a Camera (p. 45)



- ▶ Controlling Shooting from the Computer (p. 41)



- ▶ Configuring My Camera Settings (p. 43)



You can change the camera's start-up image and shutter sound.

## To Send Email

- ▶ Attaching Images to Email (p. 33)



You can reduce image file sizes.



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# The Two ZoomBrowser EX Windows

## Download Window/Organizing Window

The following two windows are the main ones used for ZoomBrowser EX procedures.



### Download window, which opens when a camera is connected. CameraWindow

View of camera images

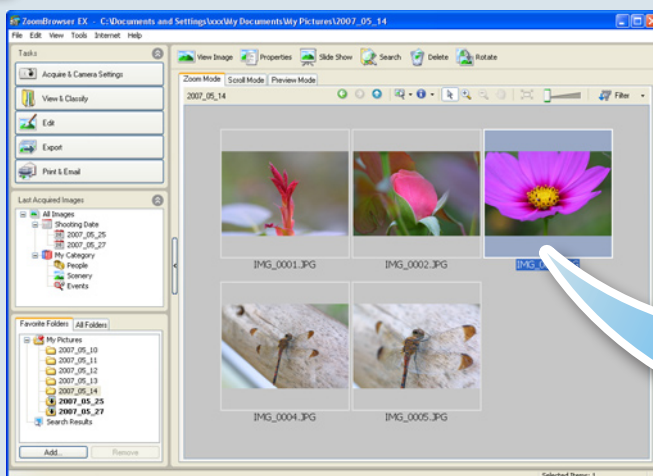


You can download all or a selection of images from the connected camera.

CameraWindow closes and the screen changes after the images are downloaded from the camera.



### Organizing window for downloaded images. Main Window



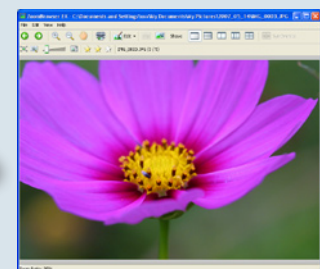
You can view, edit and print the images in the computer.



ZoomBrowser EX

Double-click this icon on the desktop.

Double-click an image.



The Viewer Window that appears when you view an image.

# Main Window

## How to Display the Main Window

The Main Window will display after camera images are downloaded and CameraWindow closes. You can also display it by double-clicking the ZoomBrowser EX icon on the desktop.



## Names of the Main Window Parts

**Menu Bar**

**Function Buttons**

**Display Control Panel**

**Task Buttons**  
Selects tasks to perform.








**Last Acquired Images**  
Displays the last images downloaded.

**Folder Area**  
Selects a folder to display.

**Properties Icon (Displays image properties)**

**Browser Area**  
Icons that indicate image properties display around images, as shown on the left.

### Properties Icon (Displays image properties)

-  : Image recorded using the camera's Stitch Assist mode
-  : RAW image
-  : Movie
-  : Image with sound memo attached
-  : Protected image
-  : Image recorded using the camera's AEB function
-  : Rotated image (rotated in display only)

Icons that indicate image properties display around images, as shown on the left.



# How to Perform Tasks

## Selecting Tasks and Task Window Procedures

Many ZoomBrowser EX functions can be accessed by selecting a task in the Main Window and following the instructions in the guidance section of the new window.

### 1 Select a task.

The screenshot shows the ZoomBrowser EX interface. On the left, the 'Tasks' menu is highlighted with a red box. A blue arrow points from this menu to the 'Edit Image' task window. The 'Edit Image' window is also highlighted with a red box and contains a numbered list of steps: 1. Select Image, 2. Select Editing Tool, and 3. Finish. A 'Return to Main Menu' button is located at the bottom of this window. To the right of the 'Edit Image' window, the 'Edit Settings' panel is visible, showing options for 'Red Eye Correction...', 'Auto Adjustment...', 'Color/Brightness Adjustment...', 'Sharpness...', 'Trim...', 'Insert Text...', and 'Edit with external image editor...'. A 'Manage List...' button is also present. At the bottom of the 'Edit Settings' panel, there are 'Previous', 'Finish', and 'Cancel' buttons. A 'Selected Items: 1' indicator is visible at the bottom right of the window.

The major steps for the task appear here. Follow the steps in order. You can return to a previous step.

An overview for the selected task appears here.

Use this task to correct photos of subjects with red-eye, adjust photos automatically, change the color balance or sharpness, trim the photo, insert text, or edit the photo with an external image editor.

ZoomBrowser EX determines which tool to use based on the type of correction you want to make.

You can also edit the photo with an external image editor.

Cancel the procedure and returns to the previous window.

### 2 Follow the instructions to perform the task.

# Downloading Images

## Downloading Images by Connecting the Camera to a Computer

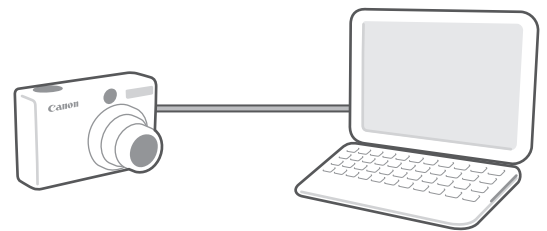
Download the camera images to the computer.



### ! IMPORTANT

- The instructions in this software manual assume that you have correctly installed the software and driver software. See the guides supplied with your product package for software installation procedures.
- With some versions of Microsoft Windows, CameraWindow may not open when the camera is connected. In this case, double-click the ZoomBrowser EX icon on the desktop to start ZoomBrowser EX and open the Main Window. Click the [Acquire & Camera Settings] task button, followed by [Connect to Camera].

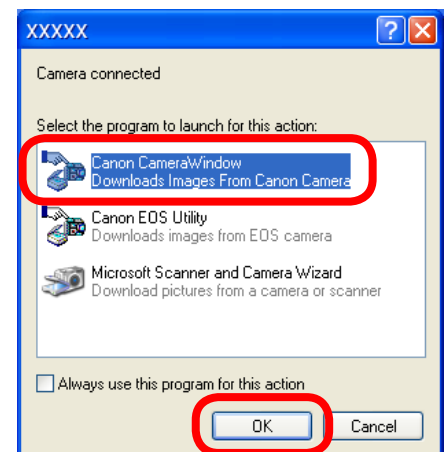
**1** Connect the camera to the computer with the supplied interface cable.



**2** Turn on the camera power, set it to playback mode and prepare it to communicate with the computer.

**3** When a window similar to the one at the right appears, select [Canon CameraWindow] and click [OK].

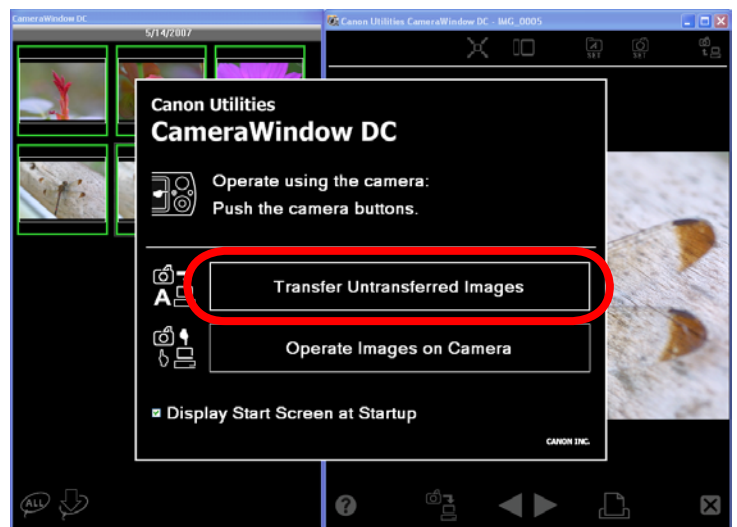
With Windows Vista, click [Downloads Images From Canon Camera using Canon CameraWindow] in the AutoPlay window.



## 4 Click [Transfer Untransferred Images].

The images will start to download.

### CameraWindow

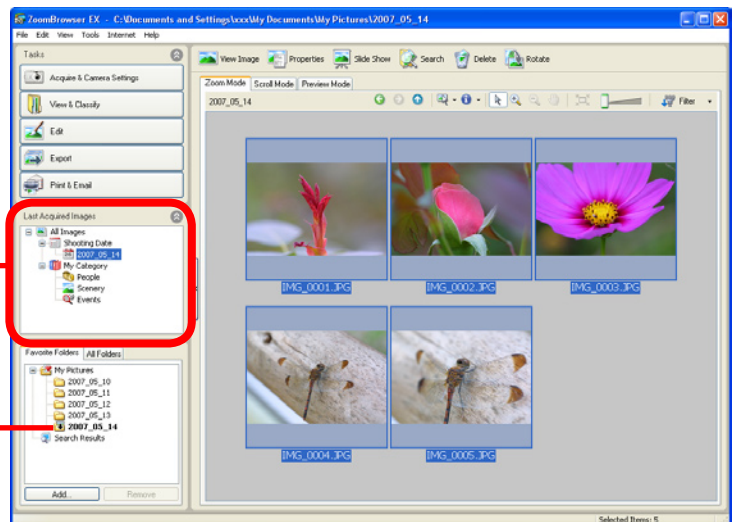


When you click [OK] in the dialog that indicates the transfer is complete, the downloaded images will display in the Main Window.

You can select the newly downloaded images by their shooting dates or My Category (select models only) classification. (These are virtual folders.)



: Folders containing newly acquired images

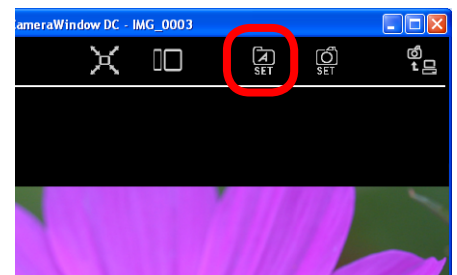


- Images from memory cards with large numbers of images (more than 1,000) may not download correctly. If this happens, please use a memory card reader to download.

### HINT

#### Changing the Download Destination Folder

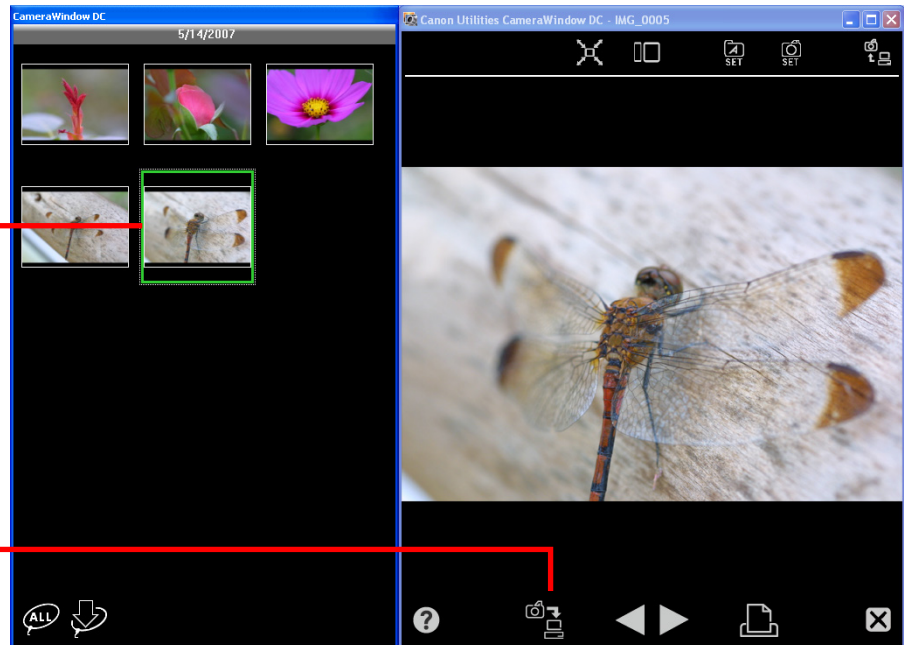
The default settings save downloaded images into the [Pictures] or [My Pictures] folders. To change the destination folder, select [Operate Images on Camera] in CameraWindow, then click the button shown on the right, and select a folder.



**HINT****Selecting Images to Download**


To download only a selection of images from the camera, select [Operate Images on Camera] in CameraWindow that first appears and then perform the following procedures.

1 Select images to download.



2 Start the download.

**Downloading Using Camera Commands**

With Windows Vista or Windows XP, you can use the camera's  (Print/Share) button to download the images to the computer (Direct Transfer). See the *Camera User Guide* for Direct Transfer settings and procedures.

**Downloading from a Memory Card Reader**

An action selection window will open when you insert a memory card into the memory card reader. If you select [View/Download Images Using Canon ZoomBrowser EX], ZoomBrowser EX will start and display the following window. Use this window to perform the downloading procedures.



Downloads all images that have not yet been downloaded.

Allows you to select and download images.

Prints images.

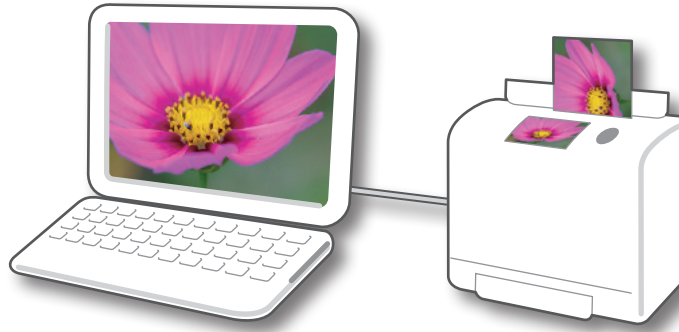
Configures the download folder and other settings.



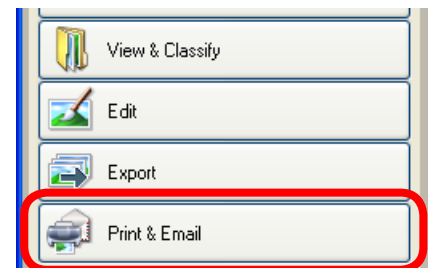
# Printing

## Printing a Single Image on a Single Page

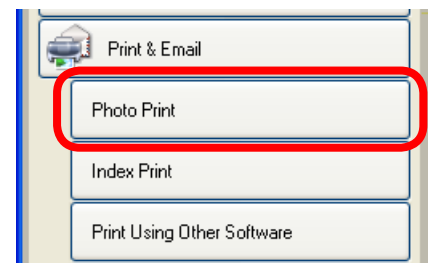
Prints one image per page.



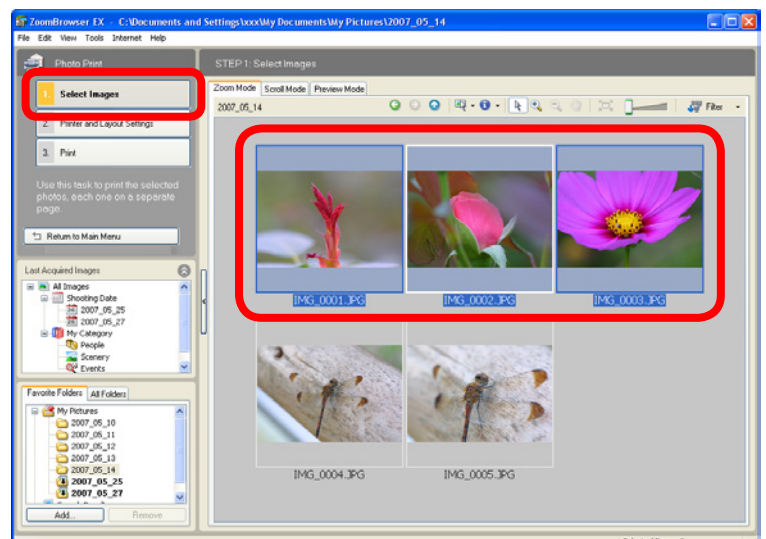
- 1 Click the [Print & Email] task button in the Main Window.



- 2 Click [Photo Print].



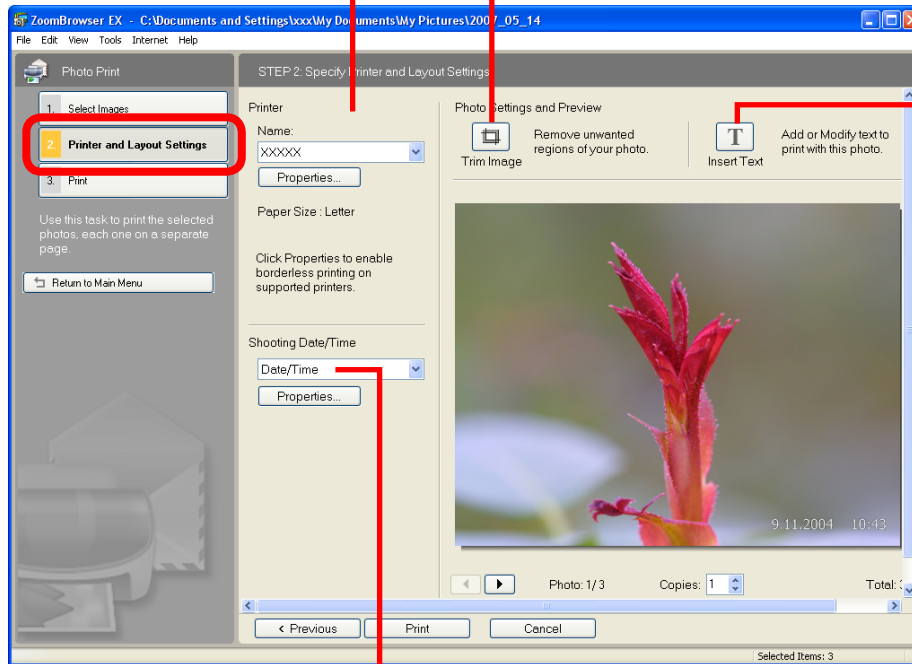
- 3 Confirm that [1. Select Images] is chosen and select images for printing.



## 4 Click [2. Printer and Layout Settings] and set the categories as desired.

Sets the printer, paper size and borderless printing settings.

Click here to crop and print a portion of an image.



Click here to insert text onto an image and print.

Sets the shooting date/time imprint settings.

## 5 Click [3. Print].

Printing will start.

### HINT

#### Printing Using Other Software

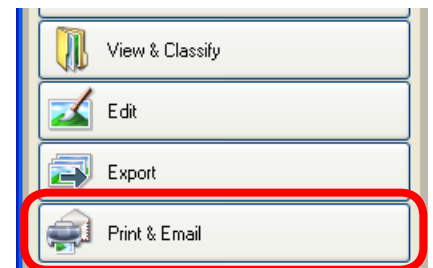
If you have specialized printing software installed on the computer, you can also use it to print the images. Click the [Print & Email] task button in the Main Window, followed by [Print Using Other Software].

## Index Print

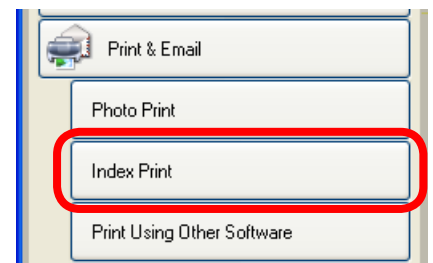
Prints an index of the images.



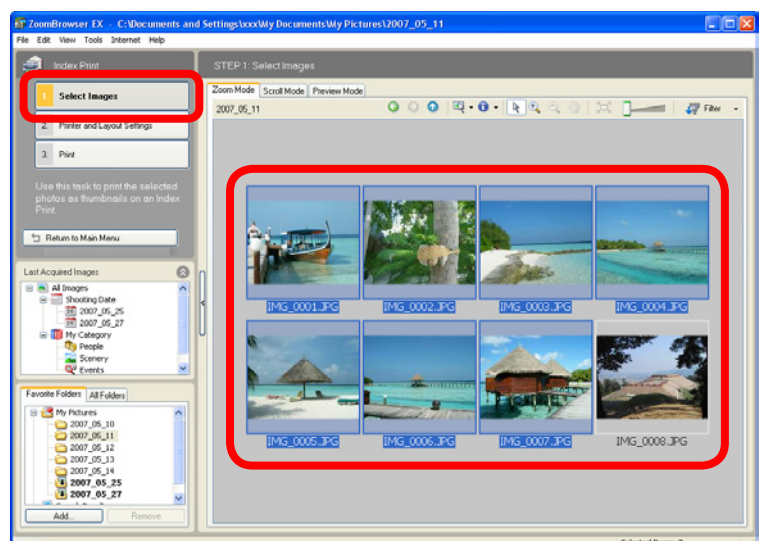
**1** Click the [Print & Email] task button in the Main Window.



**2** Click [Index Print].



**3** Confirm that [1. Select Images] is chosen and select images for printing.



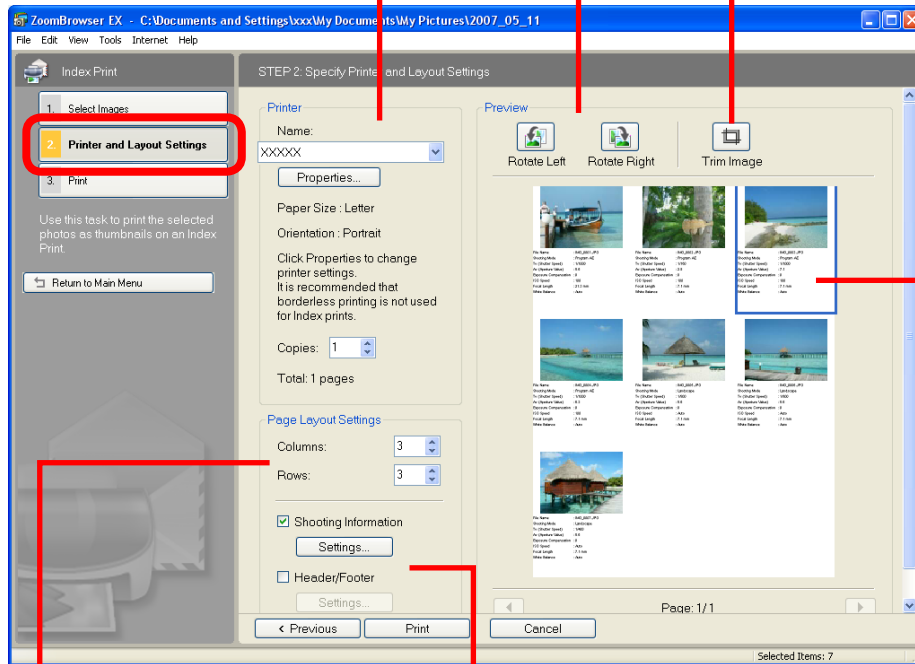
4

Click [2. Printer and Layout Settings] and set the categories as desired.

Sets the printer and paper size settings.

Rotates selected images.

Click here to crop a portion of the selected image and print it.



Select an image to rotate or trim.

Sets the number of rows or columns.

Configures the printing of the shooting information, comments, headers, footers or page numbers.

5

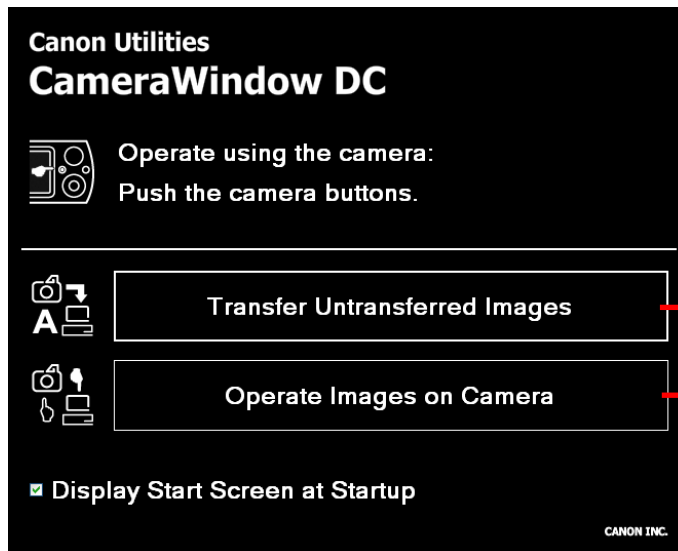
Click [3. Print].  
Printing will start.



# How to Use CameraWindow

## First Window to Open

This is the first screen to appear in CameraWindow.



Downloads all images that have not yet been downloaded.

Closes this window and opens a camera image browser window that lets you select and download images.

## Screen Showing the Image Index List and Image View

The Thumbnail Window on the left of the screen displays the images on the memory card in the camera as “thumbnails” or small versions of the images in an index list. When you select an image from the Thumbnail Window, the image displays in the View Window on the right.



Aligns the windows.



Switches between window display modes.



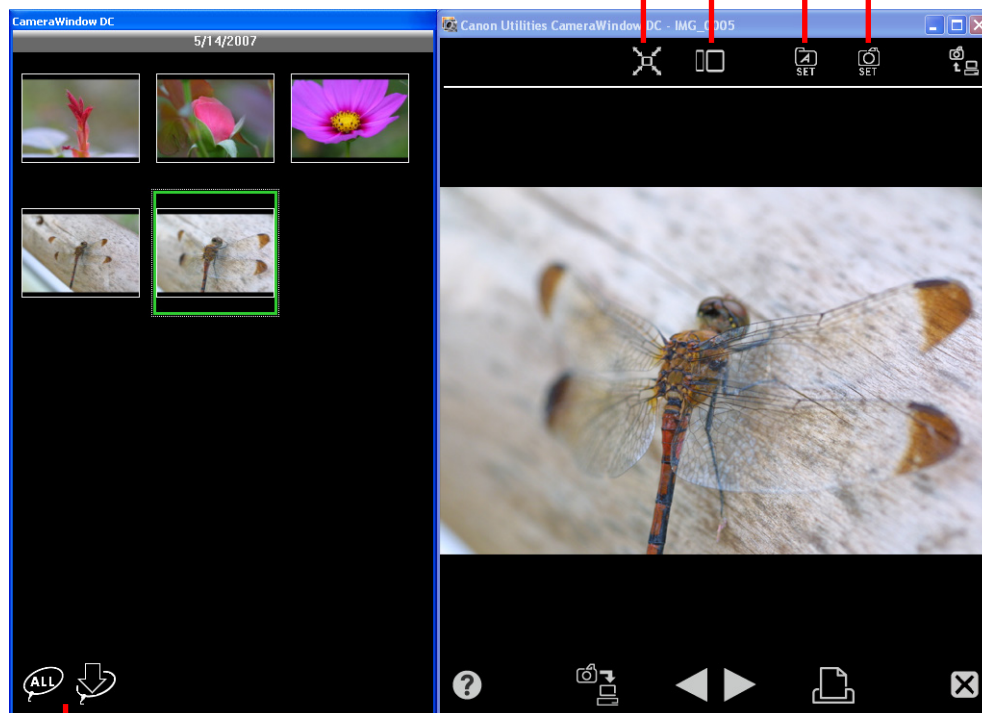
Configures settings such as the thumbnail size and download folder.



Configures the name of the camera owner.

Thumbnail Window

View Window



Uploads computer images to the camera.



Closes CameraWindow.



Selects all images/images not yet downloaded.



Downloads images selected in the Thumbnail Window.



Prints images selected in the Thumbnail Window.



These arrows switch the image in the View Window.

### HINT

#### Use the Help Function

The Help button or Help menu is available in most ZoomBrowser EX windows. It is there for when you are unsure how to proceed.

# How to Use the Main Window

## Main Window

This is the main window for performing tasks in ZoomBrowser EX.

### Search

Performs searches on images.

### Slide Show

Displays the selected images in succession in the window.

### Properties

Displays information about a selected image.

### View Image

Displays the selected image in the Viewer Window.

### Task Buttons

Selects a task to perform.

### Delete

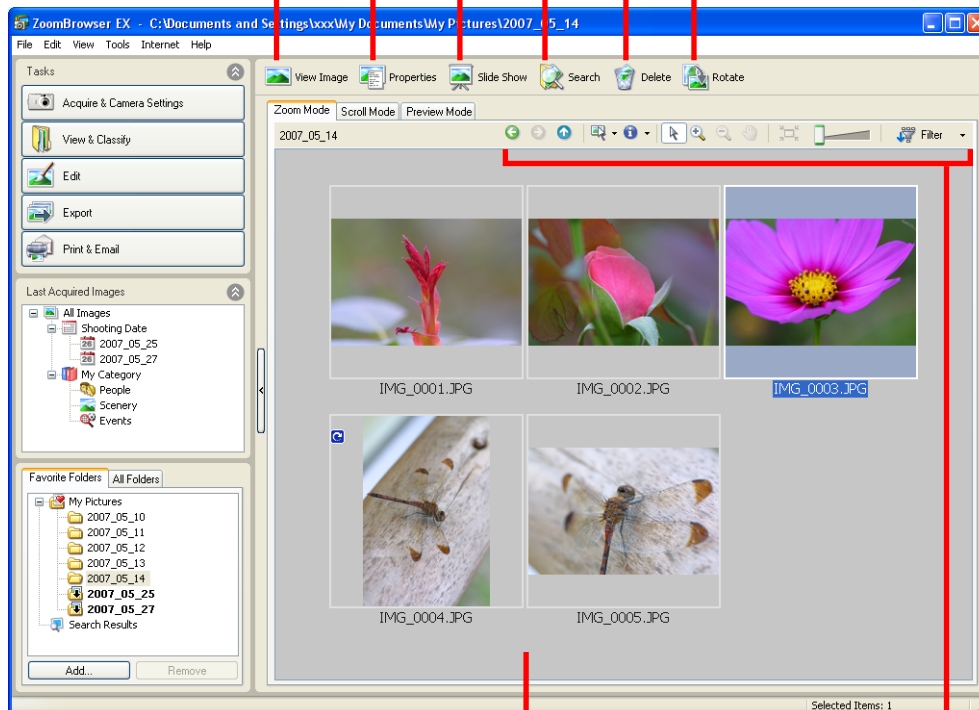
Deletes the selected images or folders.

- Deleted images are sent to the Recycle Bin on the desktop.
- The association between a sound memo and an image cannot be recovered from a file restored from the Recycle Bin.

### Rotate

Rotates a selected image.

- Click the [Edit] menu and select [Rotate According to Rotation Information] to rotate the original image as well in the displayed direction.
- Movies can be rotated by clicking the [Export] task button followed by [Export Movie].



### Last Acquired Image/Folder Area

Selects a folder to display.

- You can register folders you use often as Favorite Folders (📁). Register by clicking [Add].

### Browser Area

Displays the images in an index list.

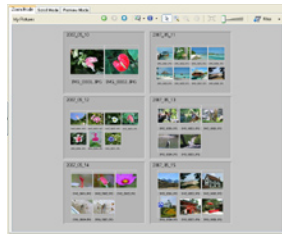
### Display Control Panel

Configures the settings for displaying images in the Browser Area.

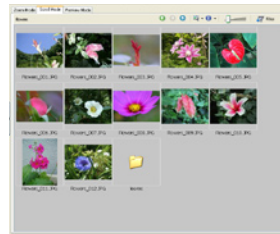
## Browser Area Tasks

### Display Mode

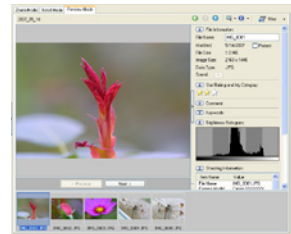
Selects a display mode for the Browser Area.



**Zoom Mode:** suited for surveying many images.






**Scroll Mode:** allows thumbnails to be viewed at a size suited for easy viewing.



**Preview Mode:** allows the image information to be read while viewing the image.

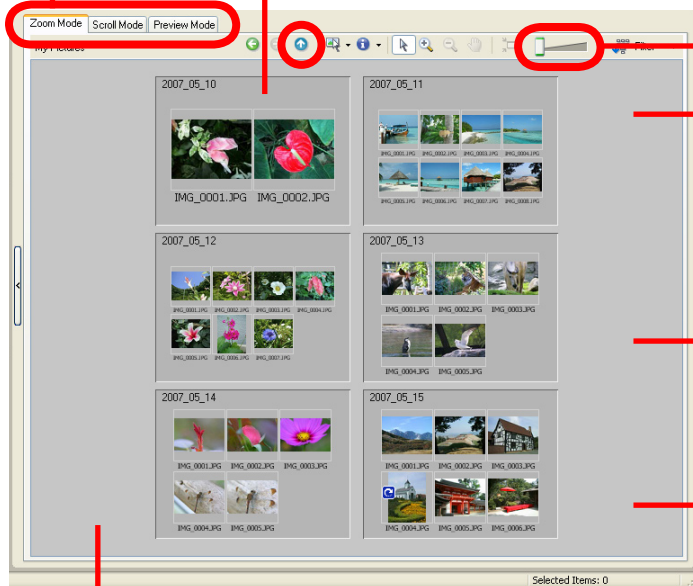
### Change the Folder Level

The level of folder displayed can be changed with the following procedures.

- In Zoom mode, position the mouse cursor over the folder and click the  icon when it displays.
- In Scroll or Preview mode, double-click the  icon.
- To advance to a higher folder level, click the .

### Change the Display Size


You can change the display ratio (Zoom mode) or thumbnail size (Scroll mode) with the slider.



### Select Images

Clicking an image in the Browser Area selects that image. To select multiple images, hold down the [Ctrl] key while clicking images, or hold down the [Shift] key and click a starting and ending image to select a range of adjacent images.

### Display Images

Double-clicking an image in the Browser Area (or selecting the image and clicking  (Display Image)), displays it in the Viewer Window.

### Move, Copy Images

To move an image between folders, drag it over the destination folder and release the mouse button. To copy an image, hold the [Ctrl] key while releasing the mouse button as above. You can also use the same procedures to copy images between Windows Explorer and the Main Window.

### Create New Folder

To create a new folder in the Browser Area, click the [File] menu and select [New Folder].

### HINT

#### Right-Click Context Menus

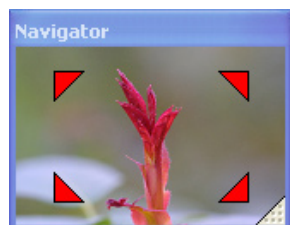
Right-clicking over a window or image displays contextual menus. These menus contain the functions available in the current context as well as other convenient functions. Use the right-click menus to increase your efficiency.



## Viewer Window

Double-clicking an image in the Main Window displays it in this window.

Change the display magnification.  
Zooming in displays the Navigator window  
to show the relative position on the image.

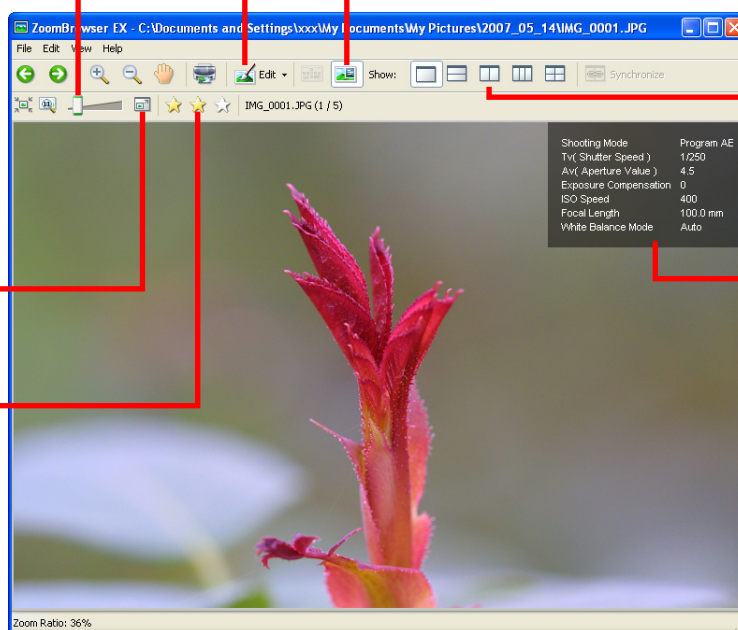


Display at full  
screen size.

Set the Star Rating.


Edit an image.

Display the shooting information.  
You can configure the information display by clicking  
the [Tools] menu and selecting [Preferences].



Display multiple  
images side by side.

**Shooting  
information**

- The [Display Original Image] button will display beneath RAW images in the Viewer Window. Click this button to display the converted image in the Viewer Window.
- Buttons appear beneath movies selected in the Viewer Window, allowing you to replay the movie or adjust the sound volume. With Windows Vista and Windows XP, the  (Frame Capture) button will appear beside the Star Rating section. Clicking this button extracts still images from the movie.

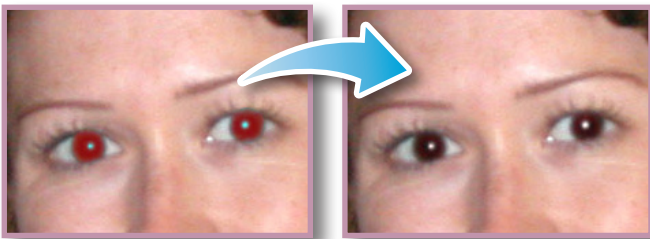
# Editing Images

## ! IMPORTANT

- The original image will be overwritten after an image is edited unless the file name is changed before saving it. To preserve the original image intact, change the file name when saving the edited image.
- This section introduces the procedures started by clicking the Edit task button. Images can also be edited in a similar way by clicking the [Edit] button in the Viewer Window.


## Red Eye Correction

Restores eye appearance to the original color when light reflected from the flash makes them appear red.



- Click [Start] when Auto mode is selected.
- Switch to Manual mode if Auto mode cannot correct the image and select the location of the eye to correct.

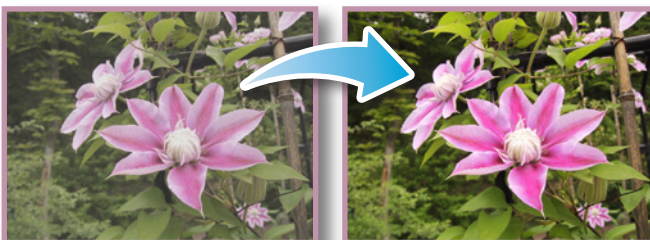
### Procedures

- 1  Edit  
[Edit] and [Edit Image].
- 2 Select an image.
- 3 [2. Select Editing Tool]
- 4 [Red Eye Correction]
- 5 [3. Finish]


- Movies and RAW images cannot be edited.

## Auto Adjustment

Automatically adjusts the image color balance and brightness.



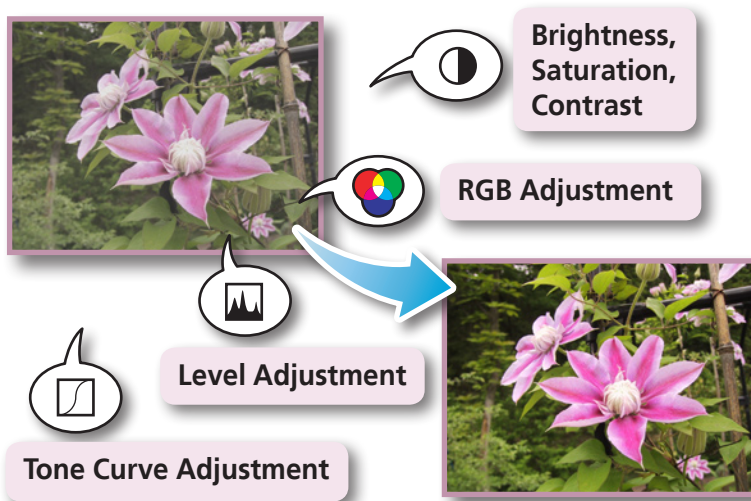
### Procedures

- 1  Edit  
[Edit] and [Edit Image].
- 2 Select an image.
- 3 [2. Select Editing Tool]
- 4 [Auto Adjustment]
- 5 [3. Finish]


- Movies and RAW images cannot be edited.

## Color/Brightness Adjustment

You can adjust image color balance and brightness using a variety of methods.



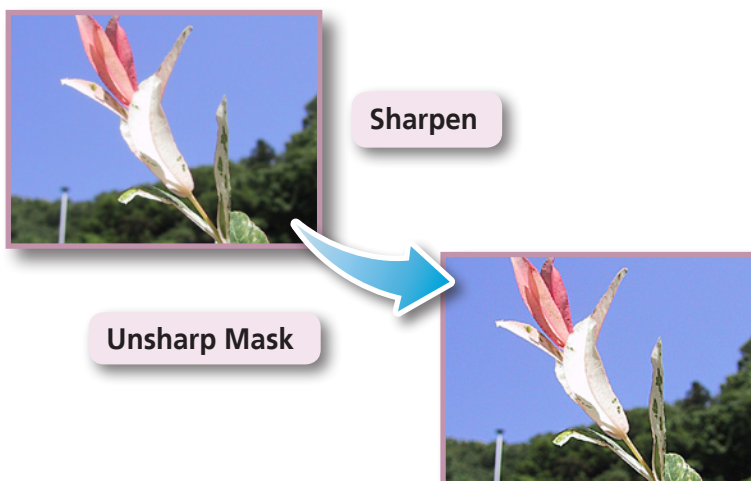
### Procedures

- 1  Edit  
[Edit] and [Edit Image].
- 2 Select an image.
- 3 [2. Select Editing Tool]
- 4 [Color/Brightness Adjustment]
- 5 [3. Finish]


- Movies and RAW images cannot be edited.

## Adjusting Sharpness—Emphasizing Outlines

Makes images appear sharper by emphasizing the outlines of subjects, such as people and objects.



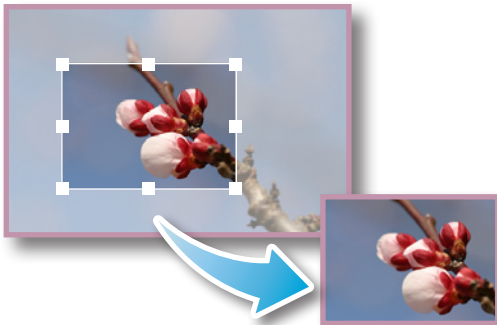
### Procedures

- 1  Edit  
[Edit] and [Edit Image].
- 2 Select an image.
- 3 [2. Select Editing Tool]
- 4 [Sharpness]
- 5 [3. Finish]

- The Unsharp Mask [Radius] is the size at which the outline is detected and the [Threshold] is the standard value at which the outline is determined.
- Movies and RAW images cannot be edited.

## Trimming–Cropping a Portion of an Image

Use this to delete unnecessary portions of the image and leave only the necessary portions.



### Procedures

1



Edit

**[Edit] and [Edit Image].**

2 **Select an image.**

3 **[2. Select Editing Tool]**

4 **[Trim]**

5 **[3. Finish]**

- You can also input values or an aspect ratio to specify the trim area.
- Movies and RAW images cannot be edited.

## Inserting Text

Use this to insert text onto the image.



### Procedures

1



Edit

**[Edit] and [Edit Image].**

2 **Select an image.**

3 **[2. Select Editing Tool]**

4 **[Insert Text]**

5 **[3. Finish]**

- Placing a checkmark in the [Antialias] box causes the text edges to blend in with the underlying image.
- Movies and RAW images cannot be edited.



## Using Other Editing Software

If you register another image editing program with ZoomBrowser EX in advance, you can use that software to edit an image selected in ZoomBrowser EX.

### Registering an Editing Program

Register the program so it can be started from within ZoomBrowser EX.



ZoomBrowser EX

Other Image  
Editing Program



#### Procedures

1



Edit

[Edit] and [Edit Image].

2

Select an image.

3

[2. Select Editing Tool]

4

[Edit with external image editor]

5

[Manage List]

### Editing Images with a Registered Editing Program



#### Procedures

1



Edit

[Edit] and [Edit Image].

2

Select an image.

3

[2. Select Editing Tool]

4

[Edit Image Using Other Editor]

5

[3. Finish]

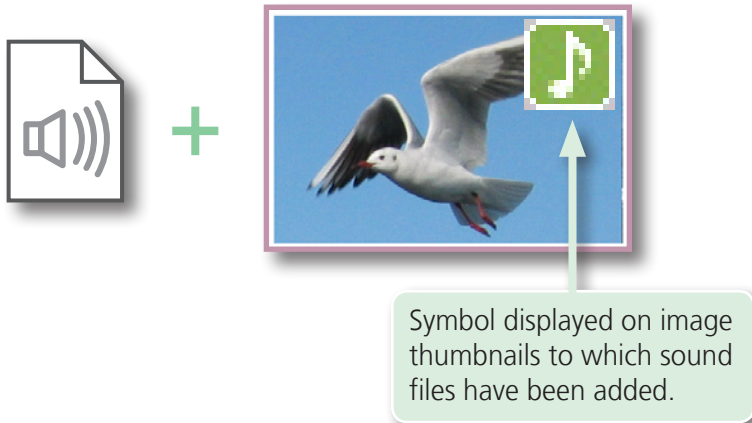
- The shooting information may be lost from images recorded with the camera and then processed and saved with another image editing program.
- Movies and RAW images cannot be edited.



## Attaching Sounds

You can add sound effects or background music to images and play back the sounds.

### Adding Sound



#### Procedures

1 Select an image.

2 ZoomBrowser EX - C:\Documents and Settings\...  
File Edit View Tools Internet Help

[Edit] and [Add/Remove Sound].

- WAVE type sound files (extension “.wav”) can be attached to images.
- Attaching a sound file to an image results in the selected sound file being copied into the same folder as the image file.

### Playing an Image Sound File



#### Procedures

1 Select an image.

2 ZoomBrowser EX - C:\Documents and Settings\...  
File Edit View Tools Internet Help

[Edit] and [Play Sound].

## Creating Panoramic Images–PhotoStitch

You can create wide panoramic images by moving the camera slightly when recording a series of images and merging them into one image.



Use the PhotoStitch program to create panoramic images.



### Procedures

1



Edit

**[Edit] and [Stitch Photos].**

- Movies and RAW images cannot be edited.

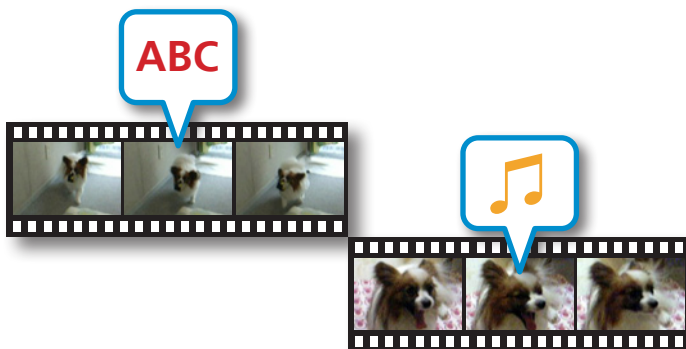
### HINT

#### Using the Stitch Assist Mode

If you use the camera's Stitch Assist mode to record the images, PhotoStitch can automatically detect the image order and merge direction, making it easier to merge the images. (Some camera models may not feature the Stitch Assist mode.)

## Editing Movies

You can create original movies by linking movie clips and still images. You can even add titles and other text, background music and various special effects to the movie.



### Procedures

1



Edit

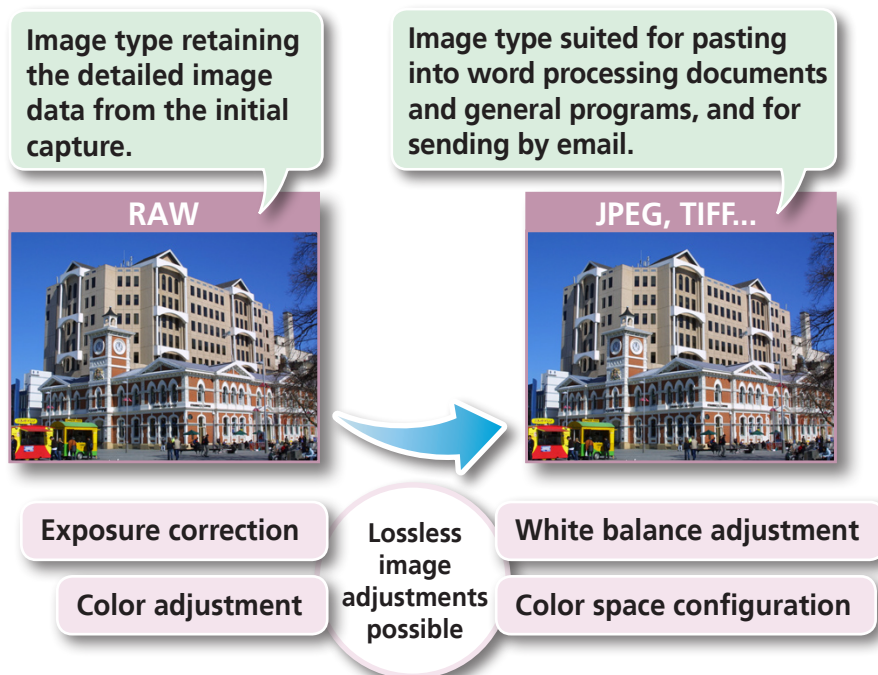
**[Edit] and [Edit Movie].**

### ! IMPORTANT

QuickTime is required to play movies on Windows 2000.

# Converting RAW Images

You can convert RAW images to JPEG and TIFF images.



**Procedures**

1 Edit

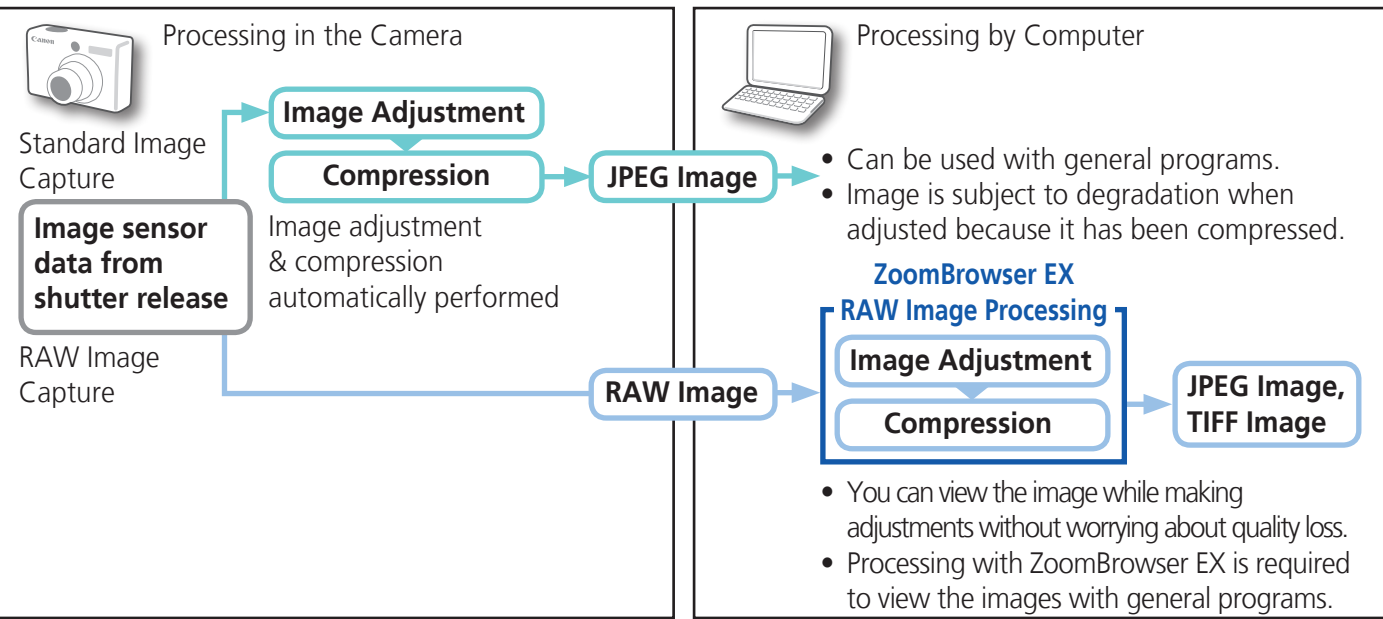
**[Edit] and [Process RAW Images].**

- You can use the Image Quality Adjustment Window to adjust the image brightness and color to your satisfaction.

**HINT**

**About RAW Images**

RAW images contain the data captured by the camera's image sensor without modification. Since they contain raw data that differs from the usual JPEG images by not having any image adjustment or compression processing performed in the camera, they can be converted on a computer with a lossless process.



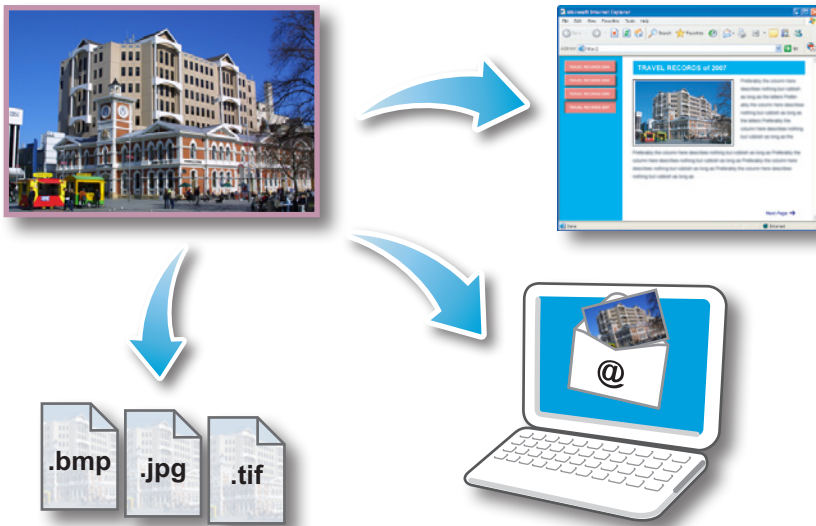
**IMPORTANT**

- RAW images can only be captured on certain camera models that list "RAW" as one of the data types included in the "Specifications" section of the *Camera User Guide*.

# Exporting

## Changing Image (Stills) Sizes and Types

You can change an image's size and format when exporting it so that it can be published on the Internet or attached to an email message.



### Procedures

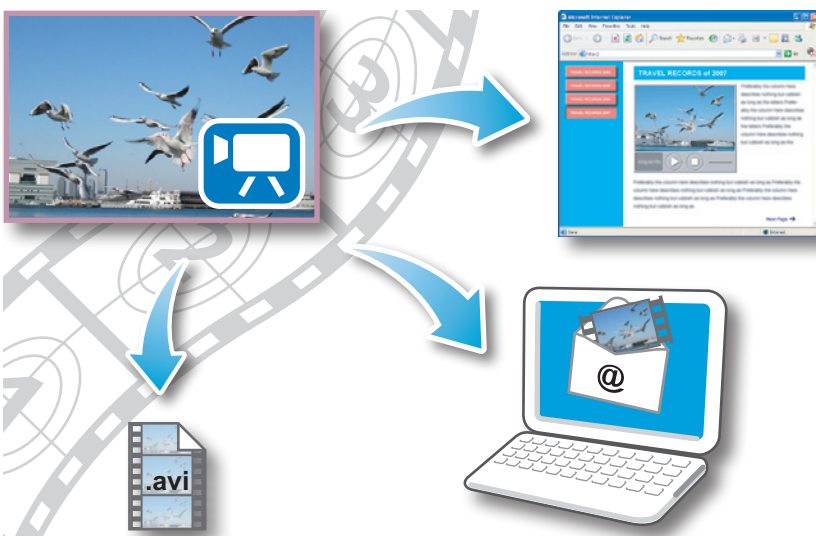
1  Export

**[Export] and [Export Still Images].**

- You will lose the shooting information if you save images as a type other than JPEG.

## Changing Movie Sizes and Types

You can change a movie's size and format when exporting it so that it can be published on the Internet or attached to an email message.



### Procedures

1  Export

**[Export] and [Export Movies].**

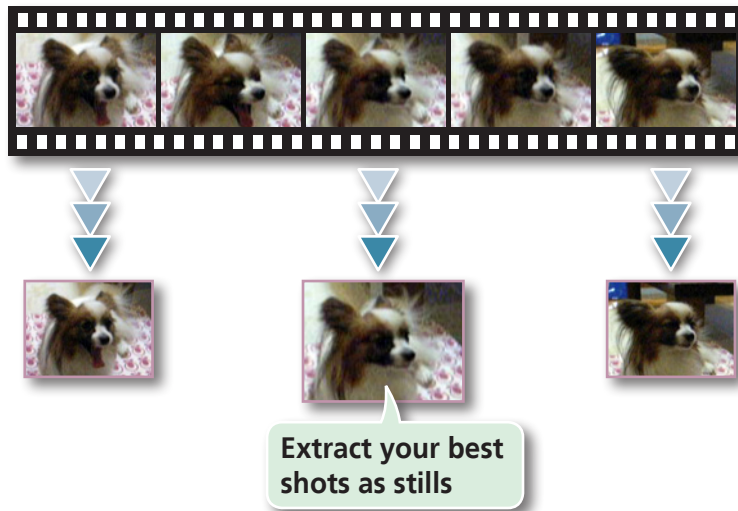
- You can also use this function to rotate movies.

### ! IMPORTANT

- The QuickTime program is required to play movies on Windows 2000.

## Extracting Stills from Movies

You can extract and save stills from your favourite frames recorded in a movie. (Windows Vista and Windows XP only)



### Procedures

1

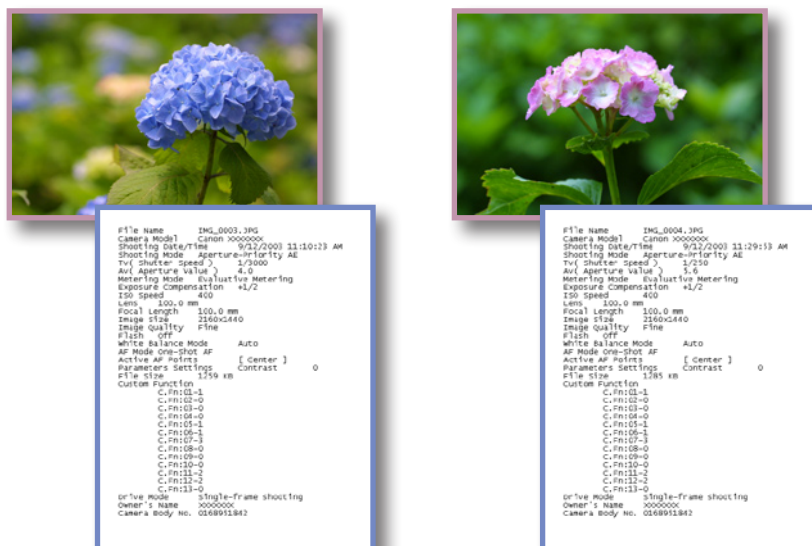


Export

[Export] and [Extract frames from a movie].

## Exporting Shooting Information

You can export the shooting information recorded with an image, such as the shutter speed and exposure, as a text file.



Ascertain the causes of failed photos or compare the settings for several images.



### Procedures

1



Export

[Export] and [Export Shooting Properties].





## Creating Computer Screen Saver Images

You can export images to serve as computer screen savers.



### Procedures

1  Export

[Export] and [Export as a Screen Saver].

## Creating Computer Wallpaper Images

You can export images to serve as computer wallpaper images.



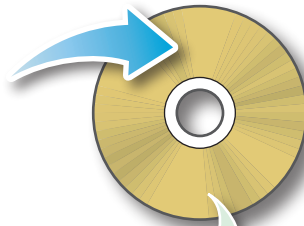
### Procedures

1  Export

[Export] and [Export as a Wallpaper].

## Saving to CDs

You can save images along with their shooting information to CD-R/RW discs. (Windows Vista and Windows XP only)



Back up important images or distribute your vacation photos on discs.



### Procedures

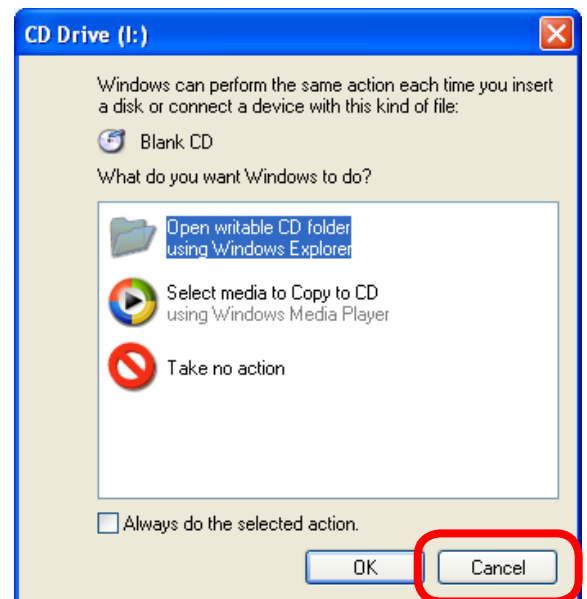
1

 Export

[Export] and [Backup to CD].

### ! IMPORTANT

- This function can only be used with computers that satisfy the following requirements:
  - Equipped with a CD-R/RW drive as standard equipment
  - Writing to the CD-R/RW drive operates correctly with Windows Vista or Windows XP.
- If a window similar to that shown to the right appears when a new CD-R/RW disc is placed in the drive, click [Cancel] to close the window.



# Email

## Attaching Images to Email

You can send images as email file attachments.



You can configure the image size and quality settings.



### Procedures

1



Print & Email

#### [Print & Email] and [Email Images].

- You can configure how the email program automatically starts up by starting the Internet Explorer program, and clicking the [Tools] menu, followed by [Internet Options], [Programs] tab, and the [E-mail] pull-down menu.

# Slide Shows

## Viewing Images in Slide Shows

A multiple selection of images can be shown at full size on the screen in succession as a slide show.

You can freely configure the transition effects, information displayed and display time settings.



### Procedures

7



View & Classify

[View & Classify] and [View as a Slide Show].

### HINT

#### Slide Show Button Functions

The following buttons appear at the bottom of the screen while a slide show is playing.

You can set the Star Rating for an image while it is displayed.



After the slide show, the images you clicked during the show remain selected.

Rewind

Pause

Forward

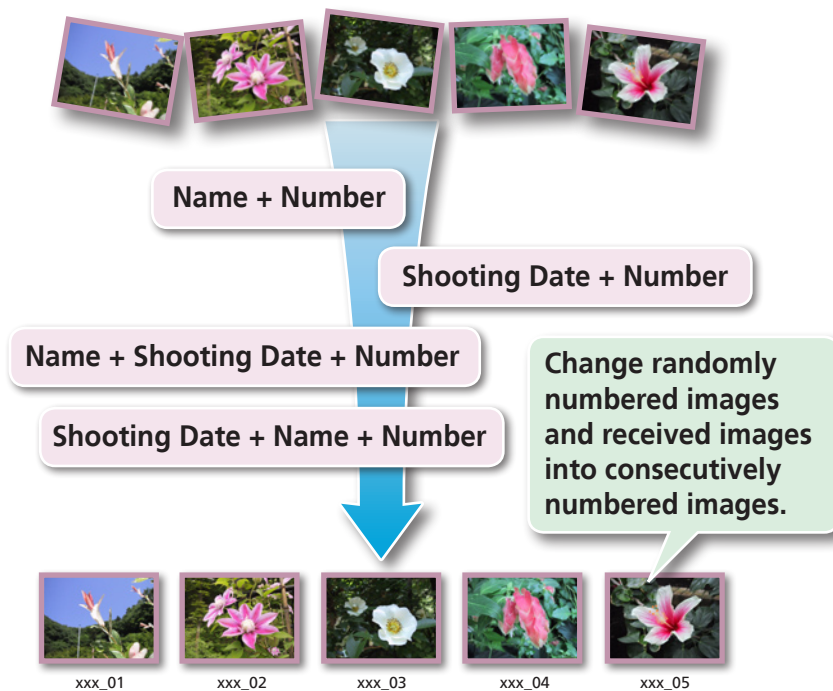
After the slide show, the images you clicked during the show appear in a printing window.

Stops the slide show.

# Image Management

## Changing File Names in Batches

You can change the file names of multiple images in one procedure.



### Procedures

1



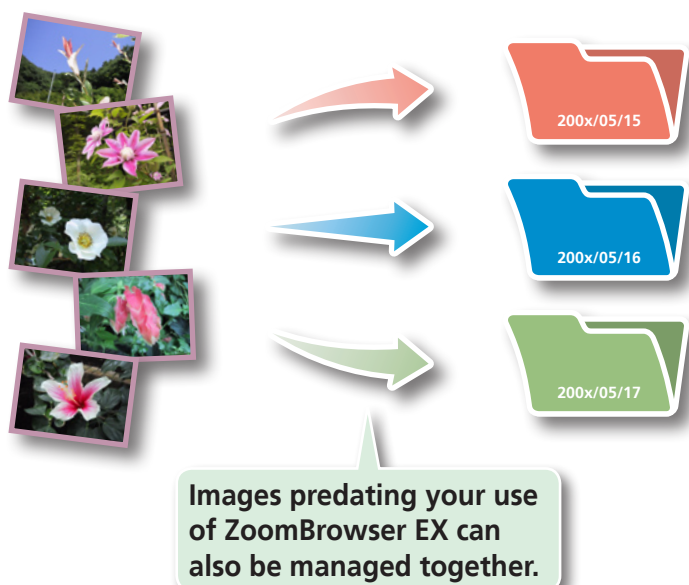
View & Classify

### [View & Classify] and [Rename Multiple Files].

- You can change individual file and folder names by clicking the [File] menu and selecting [Rename] or by clicking on the file name in Preview mode.
- Changing the image name in ZoomBrowser EX also changes the actual file name on the disk.

## Sorting Images into Folders by Shooting Date

You can sort images into folders by their shooting dates.



### Procedures

1



View & Classify

### [View & Classify] and [Classify into Folder].



# Configuring Image Information Settings

## Setting Star Ratings

You can set the Star Ratings used in searching and displaying images in the index list.



### Procedures

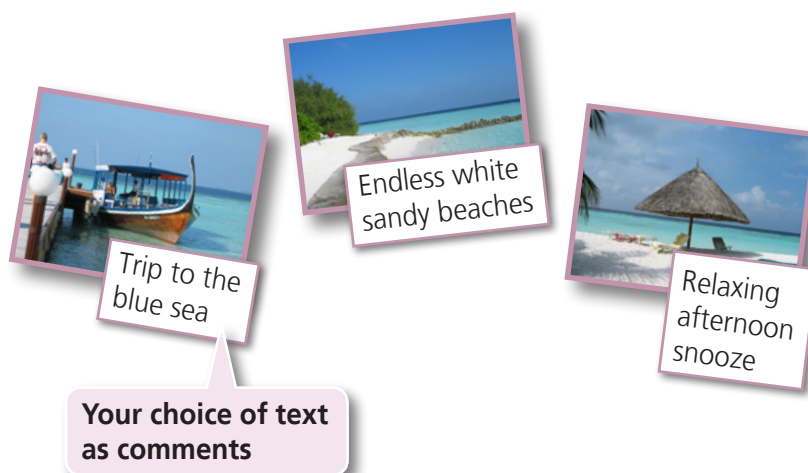
1 **Switch to [Preview Mode].**

2 **Set [Star Rating].**

- You can also set the Star Ratings by accessing the [Edit] menu, the Properties Window or the Viewer Window.

## Inserting Comments

You can freely insert your choice of text as Comments.



### Procedures

1 **Switch to [Preview Mode].**

2 **Insert [Comment].**

- Comments can also be managed in the Properties Window.

## Assigning Keywords

You can set Keywords for use in image searches.



### Procedures

1 Zoom Mode Scroll Mode Preview Mode

Switch to [Preview Mode].

2 Insert [Keywords].

- Keywords can also be managed from the [Tools] menu or Properties Window.
- To add keywords, click the [Tools] menu and select [Manage Keywords].

### HINT

#### About the Image Information

This chart shows the information other than shooting information that can be added to images.

Information Type	My Category	Star Ratings	Comments	Keywords
Content	Categories such as People, Scenery, etc.	Rated on basis of 3 rankings: ★, ★★, ★★★	Text input without restriction regarding the shooting circumstances or associated memories.	Selections are made from a list (editable) of keywords, such as the photographic subject, place or action.
Configuration Method	Configured in Camera	Configured in ZoomBrowser EX		
Used in Searches	—	○	○	○
Used as Filter Criteria	○	○	—	—
Display beneath Thumbnail	○	○	○	—

Categories displayed beneath thumbnails can be selected by clicking in the Display Control Panel.

# Searching, Filtering and Sorting Images

## Searching Images

You can search images using parameters extracted from the information associated with them.



### Procedures

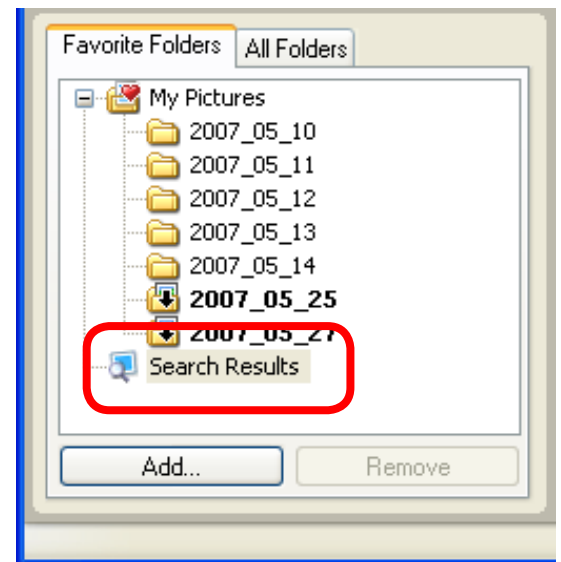
1



View & Classify

**[View & Classify] and [Search].**

- After a search, the correlated images display in the [Search Results] folder.



### HINT

#### Tasks Related to Search Results

You can select images in the [Search Results] folder and perform operations on them, such as printing or copying them to other folders.

### IMPORTANT

- Please note that deleting an image from the [Search Results] folder deletes the original image. Use caution in deleting items from this folder.

## Filtering Images

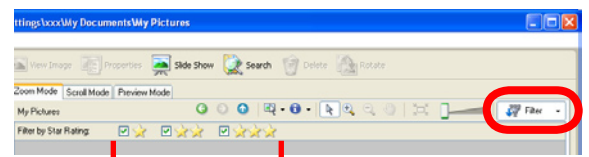
You can use filters to display only images meeting the selected parameters in the Browser Area.



**Procedures**

- 1 Filter

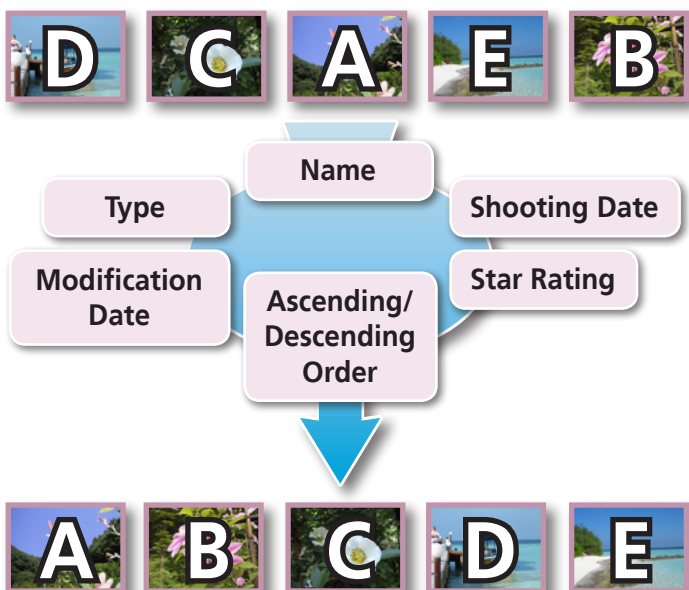
**[Filter]**



This section is used to specify the filter criteria.

## Sorting Images

You can sort images in the Browser Area based on the specified parameters.



**Procedures**

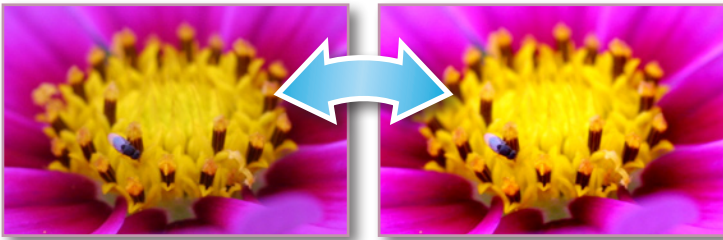
- 1 Select an image.
- 2 **[View]** and **[Sort by]**.








# Comparing Images

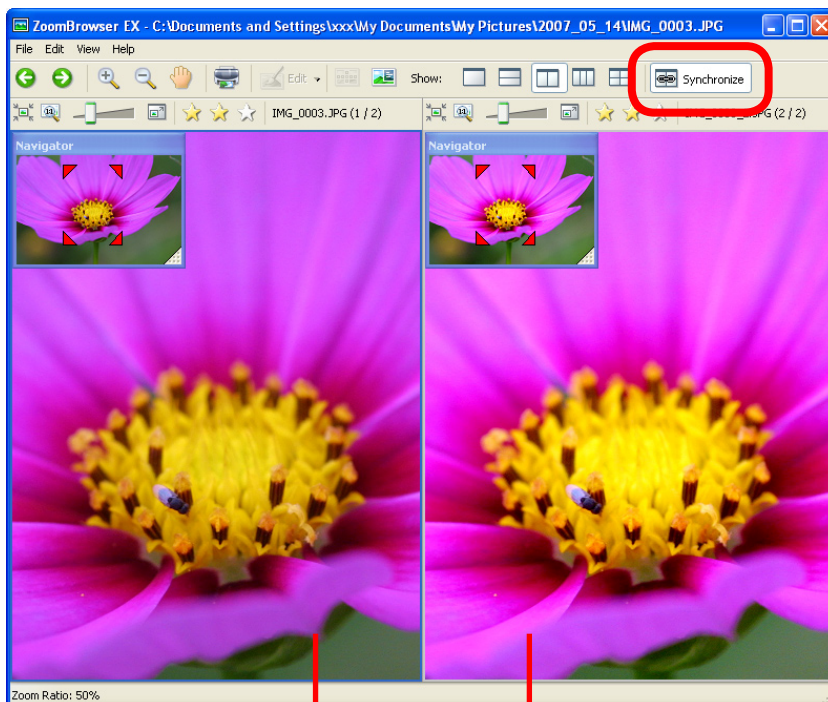
## Comparing Multiple Images

When a good photo opportunity arises, you can shoot the same subject using different shutter speeds and exposures. In ZoomBrowser EX, it is easy to compare images so that minute differences can be detected.



### Procedures

- 1 Select several images to compare.
- 2 Click  View Image.
- 3 Select , , or  in the Viewer Window.
- 4 Click  Synchronize.



- Selecting [Synchronize] causes actions such as increasing/reducing the magnification level or scrolling around the image to apply to all of the selected images in lock step, making it easy to check minute details of focus, coloring and other image characteristics.

Actions, such as scrolling or changing the magnification, are performed on both images no matter which image it is performed upon.






# Remote Shooting

## Operating the Camera Using Computer Commands

You can activate the shutter of a connected camera from the computer



### Procedures

- 1 Connect the camera to the computer.
- 2 Turn on the camera power, and set it to playback mode.
- 3 If the [Select program to launch for this action] (or AutoPlay) dialog opens, click [Cancel] (or  in Windows Vista). If CameraWindow opens, click [Operate Images on Camera], followed by .
- 4 Click  [Start], followed by: [All Programs] or [Programs], [Canon Utilities], [CameraWindow], [RemoteCapture DC3], [RemoteCapture DC].

### ! IMPORTANT

- Remote shooting is only available with certain camera models that list it as one of the features in the "Specifications" section of the *Camera User Guide*.
- 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.

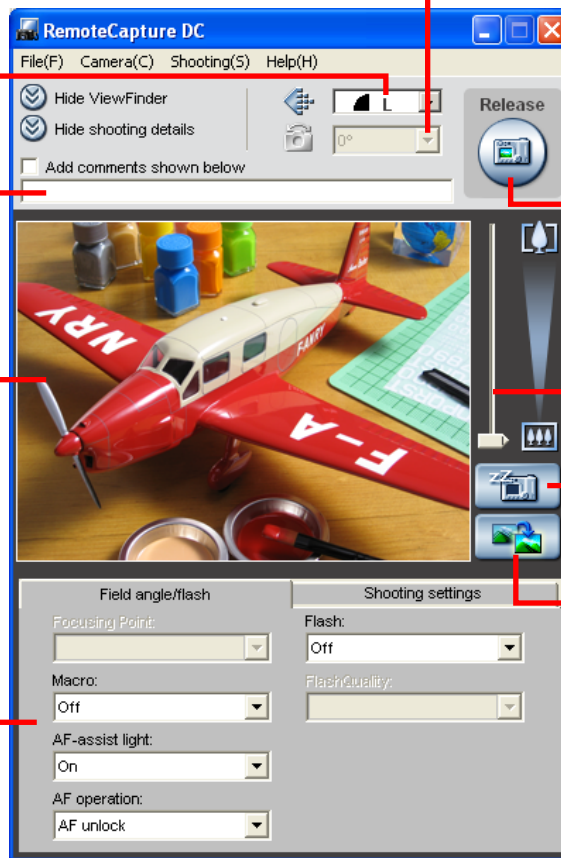
## Remote Shooting Window

Selects the image's recording size and compression.

You can add a comment to an image.

Viewfinder

Sets the shooting settings.



Sets the rotation setting of the image being recorded. This setting cannot be adjusted if the [Auto Rotate] function of your camera 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).

Sets the camera's zoom.

Turns the viewfinder display on or off.

Resets the exposure, focus and white balance settings.

## HINT

### Interval Timer Shooting

This method captures a set number of frames recorded at set intervals of time. Click the [Shooting] menu in the remote shooting window and select [Interval Timer Shooting]. (Short intervals may be insufficient for image transmission and saving, resulting in the failure to capture images at the specified interval.)

### Timer Shooting

This method captures a single image after a set number of seconds. Click the [Shooting] menu in the remote shooting window and select [Timer shooting]. The timer interval settings range from 2 seconds to 30 seconds.

### Displaying Subjects on 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 remote shooting window and select [Camera Display Settings]. See the *Camera User Guide* for TV connection instructions.

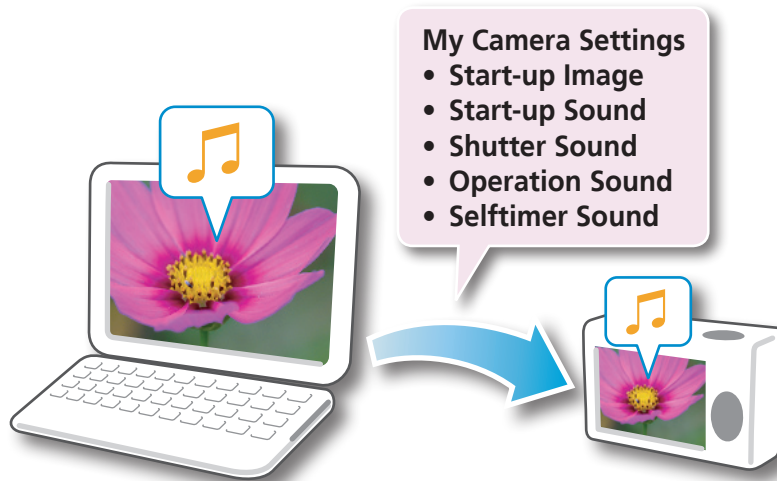
### Shooting Without Worrying about Memory Card Capacity

Clicking the [File] menu in the remote shooting window and selecting [Preferences] opens the Preferences window. If you place a check mark beside [Computer only] in the [Save Images On] section, you can continue recording without worrying about free space on the camera's memory card.




# My Camera Settings

## Changing the Shutter Sound and Start-Up Image

The camera's start-up image, start-up sound, shutter sound, operation sound and self-timer sound are collectively referred to as My Camera Settings. You can register your own custom images and sounds as the My Camera Settings.



### Procedures

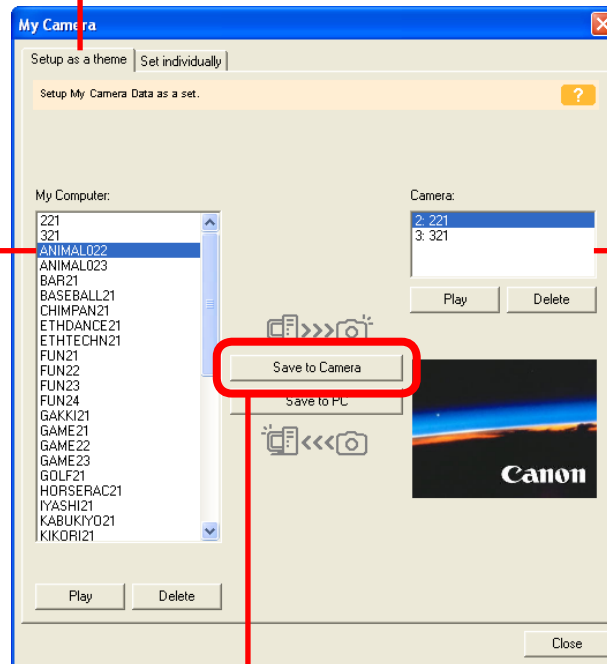
- 1 Connect the camera to the computer.
- 2 Turn on the camera power, and set it to playback mode.
- 3 If the [Select program to launch for this action] (or AutoPlay) dialog opens, click [Cancel] (or  in Windows Vista). If CameraWindow opens, click [Operate Images on Camera], followed by .
- 4 Click  [Start], followed by: [All Programs] or [Programs], [Canon Utilities], [CameraWindow], [MyCamera], [MyCamera].
- 5 Click [Connect to Camera].

### ! IMPORTANT

- My Camera Settings are only available with certain camera models that list them as features in the "Specifications" section of the *Camera User Guide*.
- Do not interrupt the connection between the camera and computer when My Camera Settings are being transmitted between them.
- With Windows Vista, the settings files originally supplied with ZoomBrowser EX cannot be deleted.

You can register the start-up image, start-up sound, shutter sound, operation sound and self-timer sound collectively if you select [Setup as a theme].

My Camera Settings in the computer.



My Camera Settings registered in the camera.

After selecting a My Camera Settings file from the left-hand list, select a My Camera Settings file to replace in the right-hand list and click this button to register it in the camera.

## HINT

### Creating My Camera Settings

You can create your own original My Camera Settings files using My Camera Maker, a supplied program. To start My Camera Maker, select the [Set individually] tab in the My Camera window and click [Create My Camera data].

\* The volume control knob in My Camera Maker sets the volume level in the saved sound file itself. If you think the volume is too loud when replayed on the computer and set it low when you save the file, the sound may not be audible when it is registered to the camera. To adjust the playback volume on the computer, please use the volume controls for the computer or speakers.

Use the following specifications to create My Camera Settings files if you are using an alternative program to My Camera Maker.

**Start-up images:** Compression Method: JPEG (Baseline JPEG)  
Data Sampling: 4:2:0 or 4:2:2  
Pixels (w x h): 320 x 240 pixels

**Sound files:** Compression Method: WAVE (Monaural)  
Quantifying Bits: 8 bit  
Sampling Frequency: 11.025 kHz or 8.000 kHz (Use the chart on the right as a guideline for the length of sound files recorded with the camera.)

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

# Uploading Images

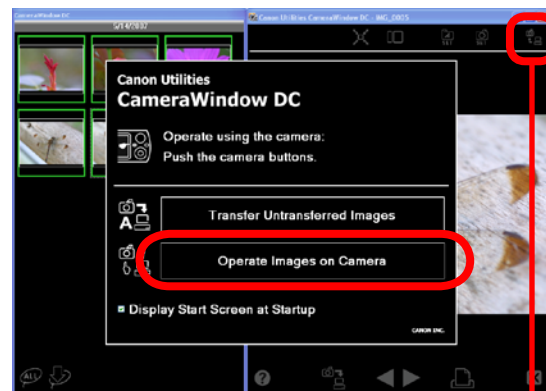
## Uploading Images to a Camera

You can upload images from a computer to a memory card in a camera.



### Procedures

- 1 Connect the camera to the computer.
- 2 Turn on the camera power, and set it to playback mode.
- 3 Select [Canon CameraWindow] (with Windows Vista, select [Downloads Images From Canon Camera using Canon CameraWindow]).
- 4 Click [Operate Images on Camera].



- 5 Click  (Send to Camera).

- If the Main Window is open when the camera is connected (directly after downloading for instance), open CameraWindow by clicking the [Acquire & Camera Settings] task button, followed by [Connect to Camera].

### ! IMPORTANT

- Only images compliant with Design rule for Camera File system standards can be uploaded to your camera's memory card.



# Preference Settings

## Customizing ZoomBrowser EX

You can configure ZoomBrowser EX to operate according to your preferences.

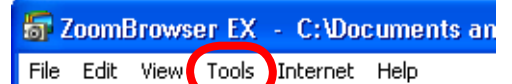


- Overall themes, such as window appearances
- Processing methods for images shot with the camera on end
- Categories of shooting information displayed
- Show/hide messages
- Print settings
- Zoom speed



### Procedures

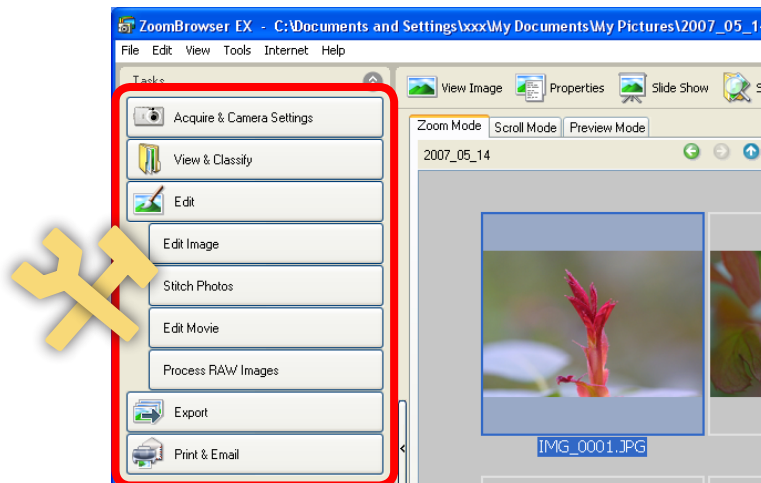
1



[Tools] and [Preferences].

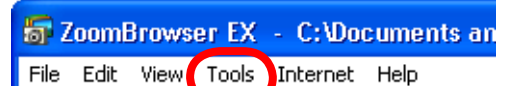
## Customizing the Task Buttons

You can hide items that you do not usually use to streamline the task buttons.



### Procedures

1



[Tools] and [Customize].

## Supported Image Types

The following is a list of image types supported by ZoomBrowser EX.

### JPEG (.JPG)

Most cameras use this image type. 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 (.CRW/.CR2)

This is a proprietary image type 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 image type.

### Windows bitmap (.BMP)

This image type comes standard with Windows. Most Windows programs support it.

### TIFF (.TIF)

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

### PhotoCD (.PCD)

This is the image type used for Photo CDs.

### Video clip (.AVI)

Standard Windows movie image type. The movie thumbnail and a movie icon show in ZoomBrowser EX's Browser Area.

### QuickTime (.MOV)

This is a movie which displays as a movie icon in the Browsing Area of ZoomBrowser EX.

### MPEG4 (.ASF)

Movies that integrate multimedia data, such as video, audio and text. Primarily used by Windows programs. The MPEG4 compression technology allows for compact file sizes and delivery over networks.

## New Features in This Version

The following features were added or changed in this version of ZoomBrowser EX. (ZoomBrowser EX Ver. 5.8 to 6.1)

### CameraWindow Makeover

CameraWindow has been completely revamped to make the linkage tighter between Canon brand cameras and ZoomBrowser EX and to add convenience and functionality. It may not be possible to use the new CameraWindow with some camera models.

### Changes to Memory Card Downloading Methods

The Camera Control Window was used in prior versions to download images from memory card readers. These downloads are now performed as a ZoomBrowser EX task in the Main Window. The data reading speed has also been significantly accelerated.

### Text Insertion Feature Added to Printing Functions

In addition to the ability to print such information as the shooting date with the image, you are now able to add text freely during the printing preparation. Greeting cards and photos bearing messages can now be made with ease.

### Task Button Revisions

The task button composition has been revised to make the tasks more intuitive.

- The starting point for the "Sending images by email" process has shifted from the [Internet] button to the [Print & Email] button.

## Software User Guide Windows (ZoomBrowser EX, PhotoStitch)

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