Photo Application Macintosh

Version 34

Instruction Manual



English

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Read This First

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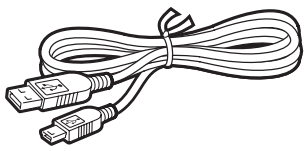
■ Safety Precautions

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

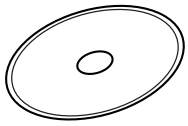
Checking Supplied Accessories

Use the following accessories to download recorded still images from the camcorder to your computer.

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



- HFR10 / HFR11 / HFR100 / HFM30 / HFM31 / HFM300
  Instruction Manual/Photo Applications Ver. 34/Music Data Disc
- HFS20 / HFS21 / HFS200
  Photo Applications Ver. 34/Music Data Disc



The explanations in this manual use mainly Mac OS X version 10.5 screen shots. The steps and windows may vary depending on your computer.

System Requirements

OS:	Mac OS X (v10.4 - v10.6)	
Computer Model:	Computers that come with above OS preinstalled	
CPU:	PowerPC G4/G5, or Intel processor	
RAM:	Mac OS X v10.6	1 GB or more
	Mac OS X v10.4 - v10.5	512 MB or more
Interface:	USB	
Free Hard Disk Space:	Canon Utilities	
	- ImageBrowser	300 MB or more
Display:	1024 × 768 pixels/32,000 colors or better	

- Proper operation is not guaranteed on any particular system, even if it meets the requirements outlined above.
- ImageBrowser can only be used on disks formatted in the Mac OS Extended (journaled) format.
- A CD-ROM drive is required to install the software.

What is Photo Application?

Photo Application allows you to download still images you recorded with the camcorder to a computer and manage, print, and edit them.

■ ImageBrowser

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

■ CameraWindow

- Downloading still images to your computer
- Viewing still images saved on the camcorder and deleting them

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



Your camcorder may not support some features of the software.

Windows

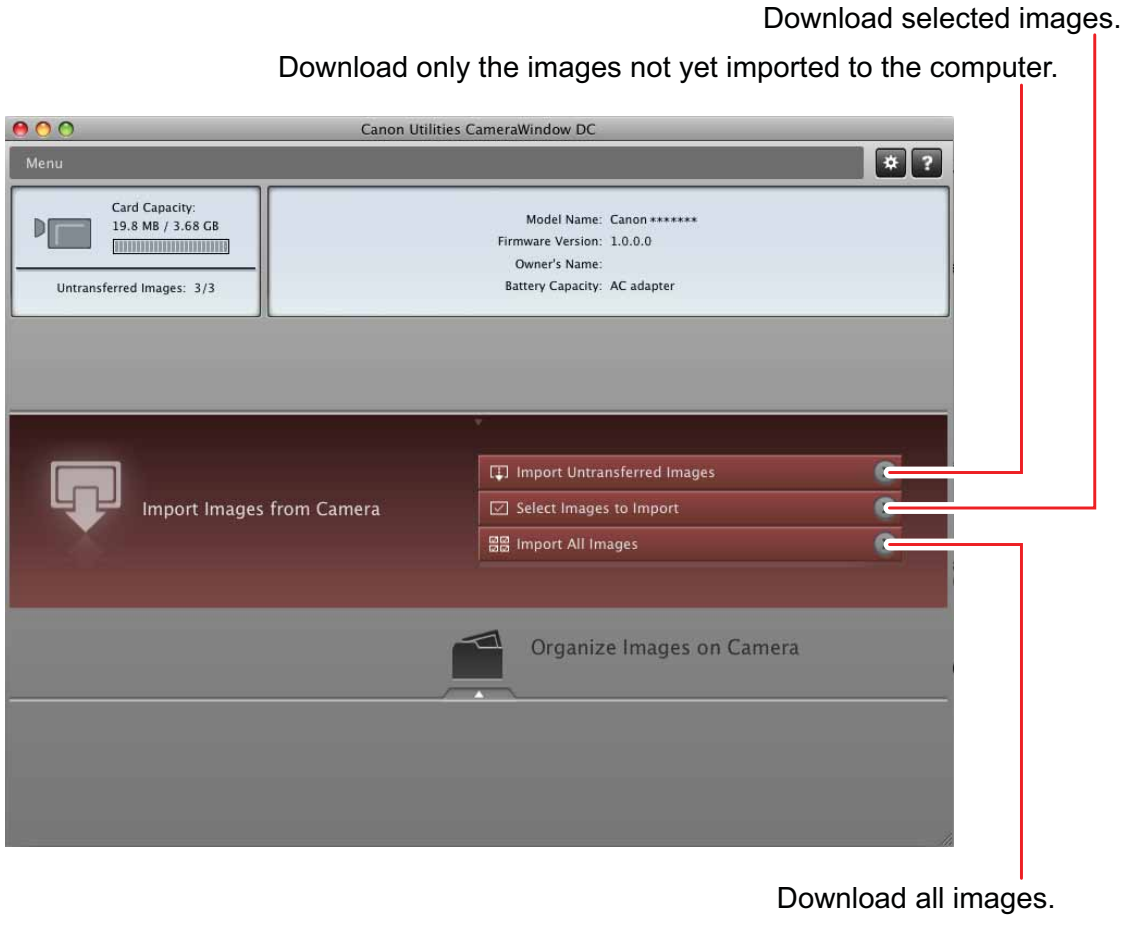
CameraWindow

After you connect the camcorder to your computer, you can use CameraWindow to download still images to the computer. Furthermore, you can delete still images saved on the camcorder, without having to download them to the computer, and you can upload still images from the computer to the camcorder (📖 51). You can also confirm and change the owner's name of the camcorder you specify (📖 57). Refer to *Downloading Still Images to the Computer* (📖 26) for launching the software.

- Click the [CameraWindow] icon in the Dock (the bar at the bottom of the desktop) if the CameraWindow menu screen does not appear.
- When the [CameraWindow] icon is not in the Dock, double click the [Canon Utilities] folder on the drive where the program was installed, followed by the [CameraWindow] folder and the [CameraWindow] icon.

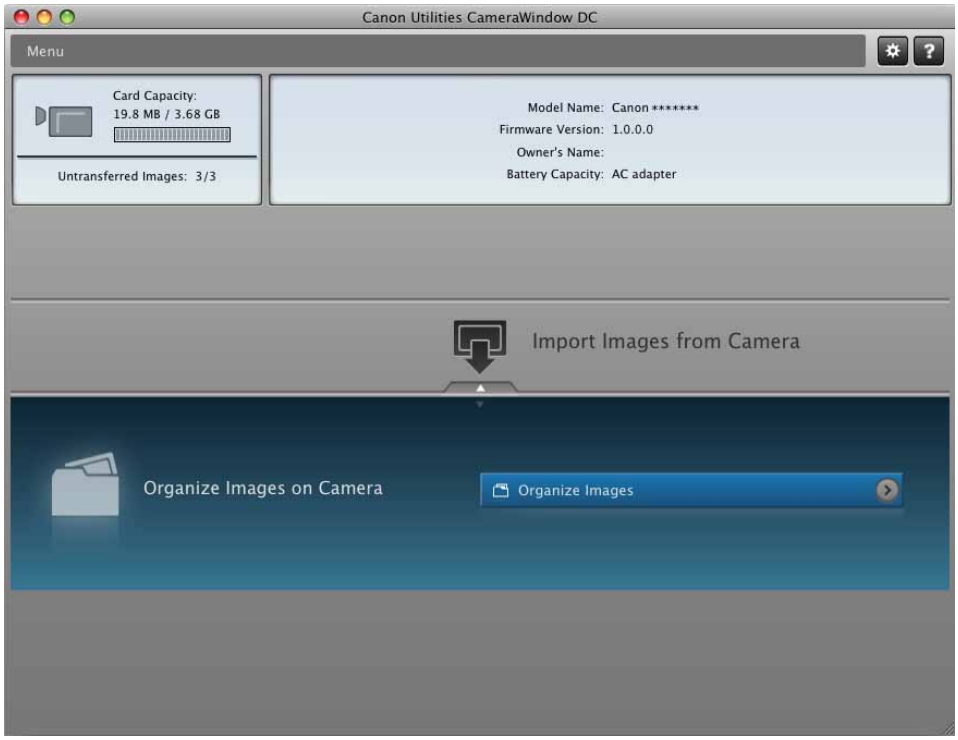
■ [Import Images from Camera] Window

After you connect the camcorder to your computer, use this window to download still images to the computer.



■ [Organize Images on Camera] Window

Delete still images saved on the camcorder, without having to download them to the computer, and upload still images from the computer to the camcorder.



■ [Import Images from Camera] Window

Return to the CameraWindow menu screen.

Display the Help menu.

Configure Preferences settings
(camcorder owner's name and download destination, etc.).
Adjust the size of the thumbnails.

Toggle the shooting date/time and file name displays.



Select all still images.

Clear still image selections.

Download images to the computer.

■ [Organize Images on Camera] Window

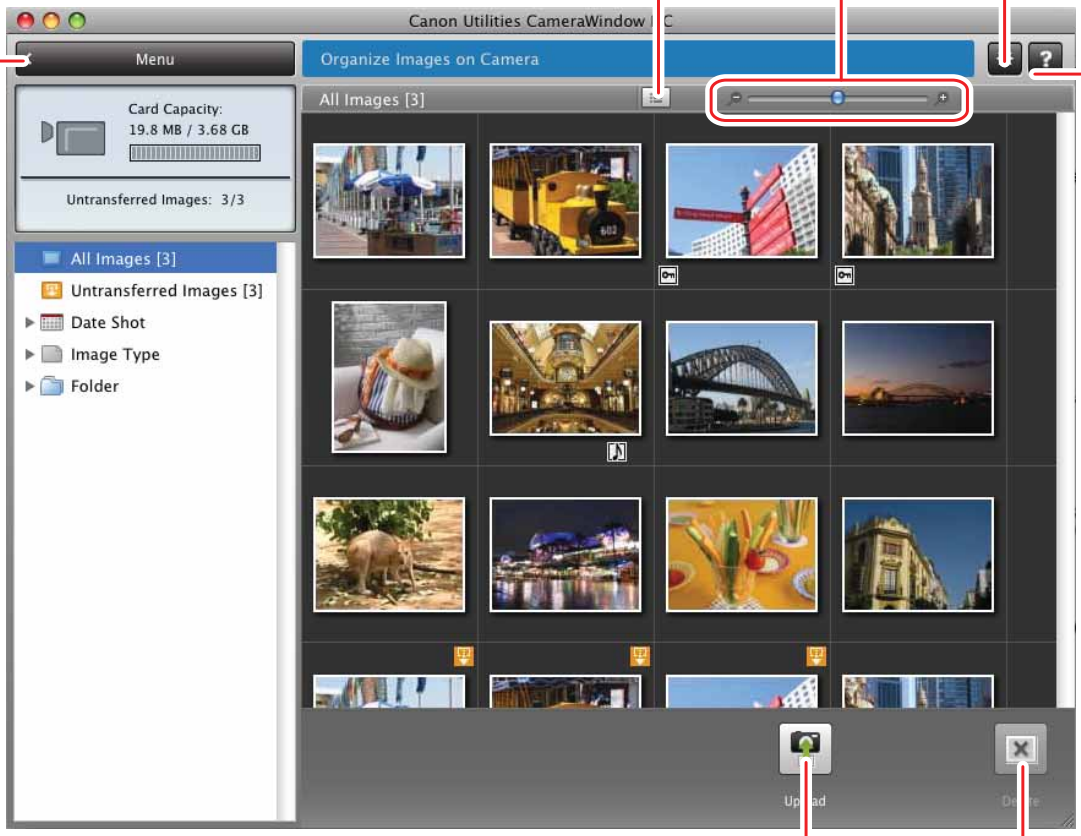
Return to the CameraWindow menu screen.

Display the Help menu.

Configure Preferences settings
(camcorder owner's name and download destination, etc.).

Adjust the size of the thumbnails.

Toggle the shooting date/time and file name displays.

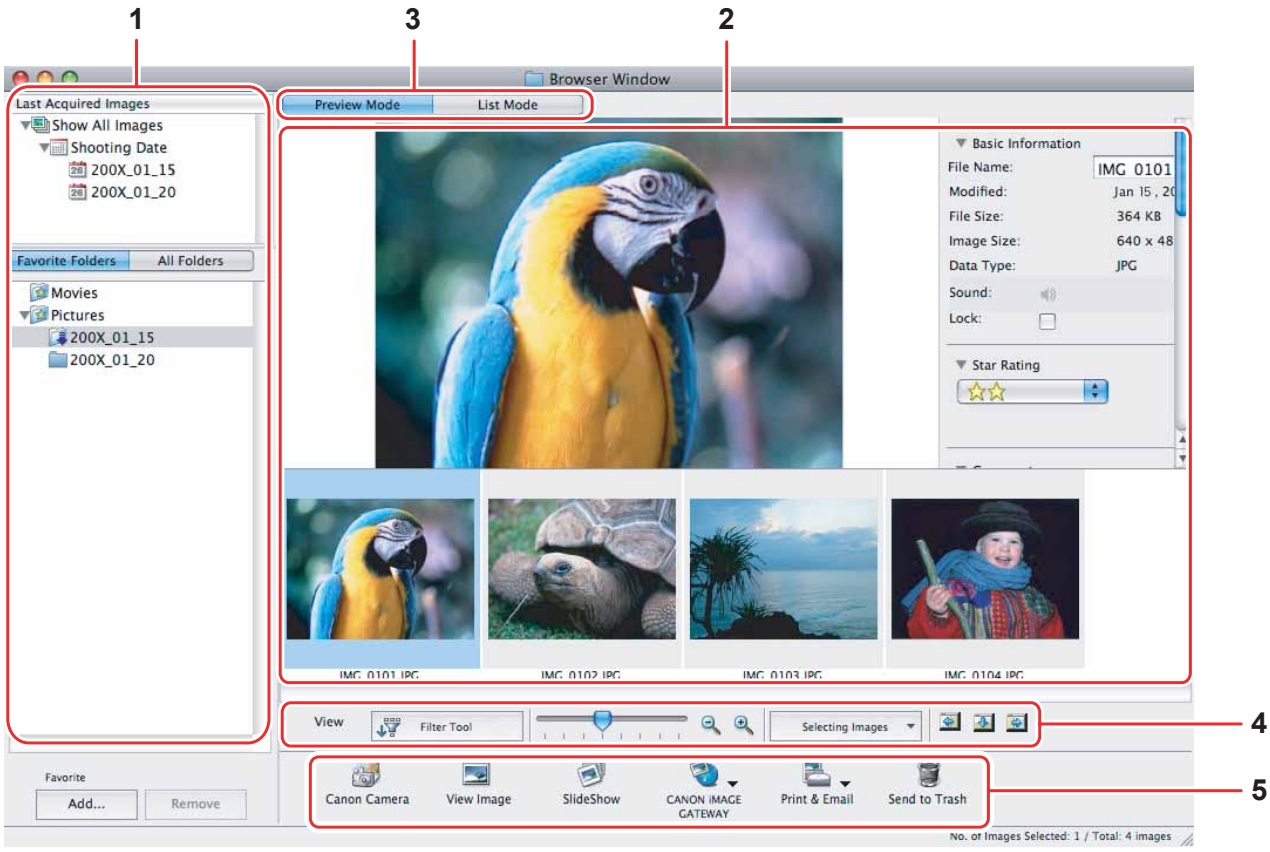


Upload selected still images to the camcorder.

Delete still images on the camcorder.

Browser Window

ImageBrowser is a software program used for organizing, printing and editing the downloaded still images. To start ImageBrowser, click the [ImageBrowser] icon in the Dock. If the ImageBrowser icon is not in the Dock, double-click the [Canon Utilities] folder on the drive on which the program was installed, followed by the [ImageBrowser] folder and the [ImageBrowser] icon.



1 Explorer View

In the [Last Acquired Images] panel, the newly downloaded still images are placed into virtual folders classified by recording date. In the panel below, the folders that the downloaded still images are actually saved in are displayed. Selecting the [Favorite Folders] tab shows only the folders that are registered as favorites. The [All Folders] tab shows all available folders. indicates that newly downloaded still images are in the folder.
Clicking the triangle symbol besides the folder name displays/hides the folder contents. To register a folder as Favorites, follow the instructions below.

When you have selected the [Favorite Folders] tab:
Click [Add] and specify a folder.

When you have selected the [All Folders] tab:
Select a folder and click [Add to Favorites].

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

2 Browser Area

This area displays the images contained in the selected folder.

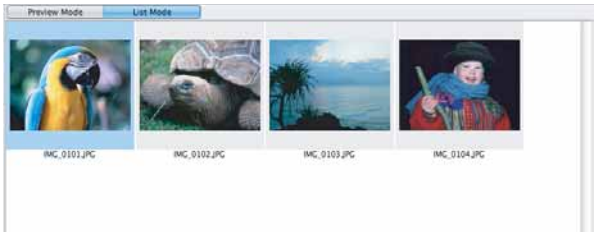
3 View Mode

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

[Preview Mode]: The thumbnails are displayed at the bottom of the Browser Area, and the Information Panel is displayed in the upper part.

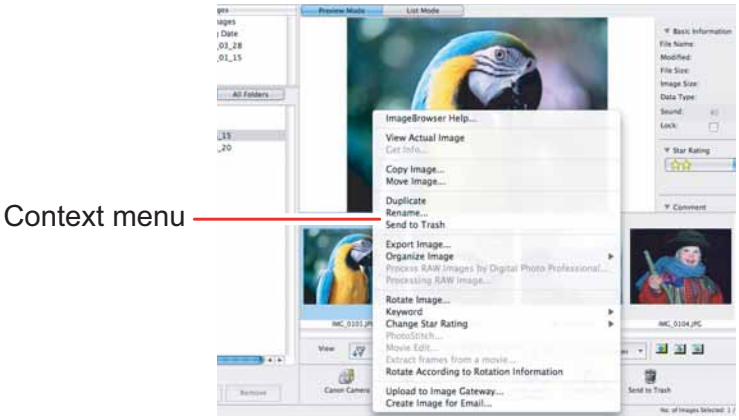


[List Mode]: The images are displayed as thumbnails. The thumbnails can be enlarged/reduced by selecting [Enlarge] or [Reduce] from the [View] menu.



Context Menu

When you click on a thumbnail while pressing the [control] key on the keyboard, a context menu will appear. The context menu allows you to select several functions directly without using the menu bar located on top of the window.



[File Information]

When the view mode is set to [List Mode], select [Get Info] from the [File] menu to display the following window.

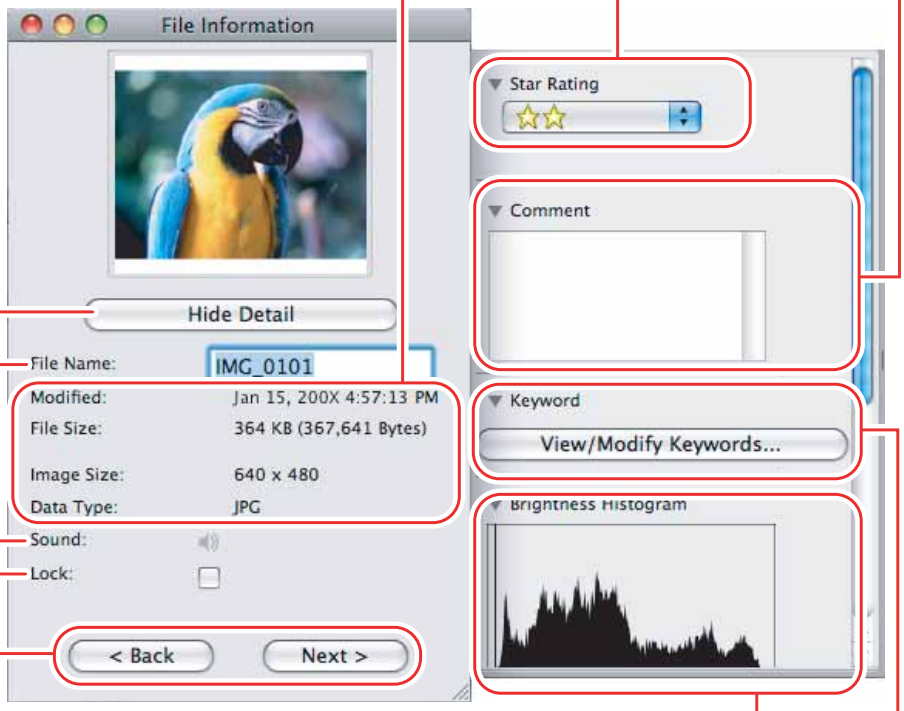
You can rename files.

Hides the information display at the right.

Input a comment.

Shooting information

Sets a star rating.



You can switch and view the shooting information of the next or previous image by clicking these buttons.

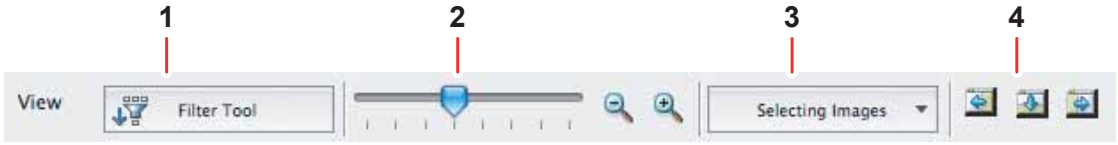
Histogram

Sets a keyword.

Placing a check mark here prevents the image from being overwritten or deleted.

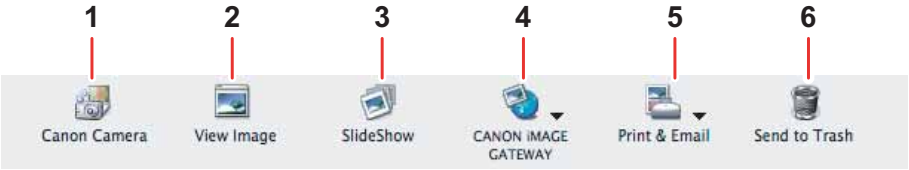
You can play sounds if they are attached to images.

4 Image display control panel



1	**Filter Tool**	Allows you to select which still images to display according to the star rating. When you download the images, the star rating is set to two stars as a default. To change the star rating, refer to *Applying Star Rating* (40).
2	**Enlarge/Reduce**	Enlarges/Reduces the thumbnails in the Browser Window.
3	**Selecting Images**	Allows you to select all images and deselects images.
4	**Display Pattern**	Allows you to change the appearance of the Browser Window.

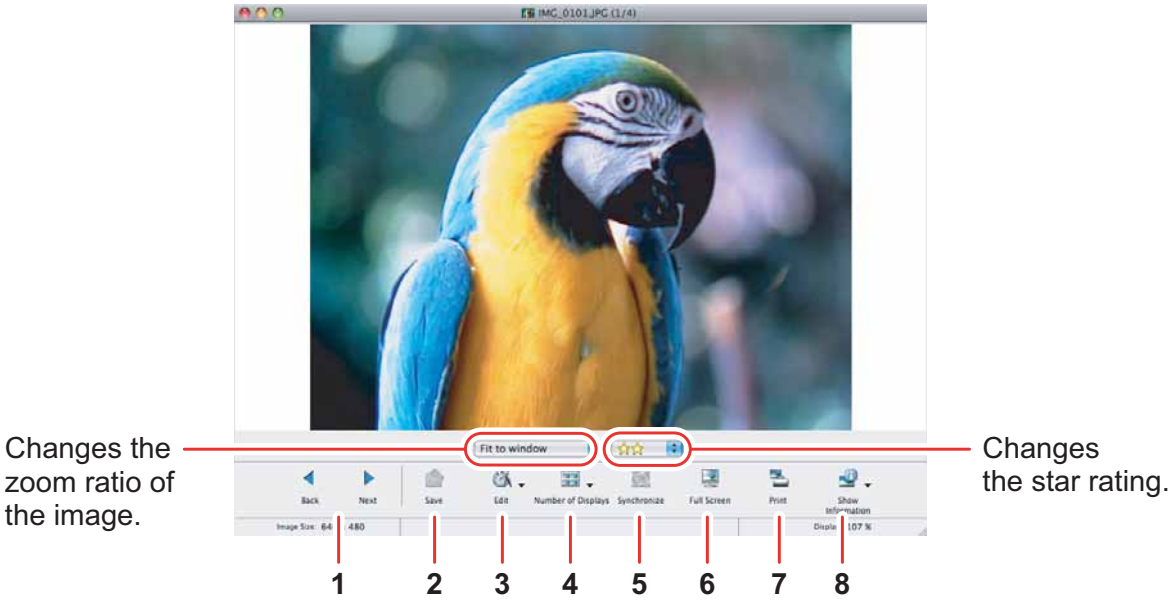
5 Control panel



1	**Canon Camera**	Opens CameraWindow.
2	**View Image**	Displays a selected image in the [Image Viewer] window.
3	**SlideShow**	Displays still images in a slide show.
4	**CANON iMAGE GATEWAY**	Use this to connect to CANON iMAGE GATEWAY.
5	**Print & Email**	After you download still images to a computer, use this to print them or to attach them to e-mail messages.
6	**Send to Trash**	Deletes the selected images.

[Image Viewer] Window

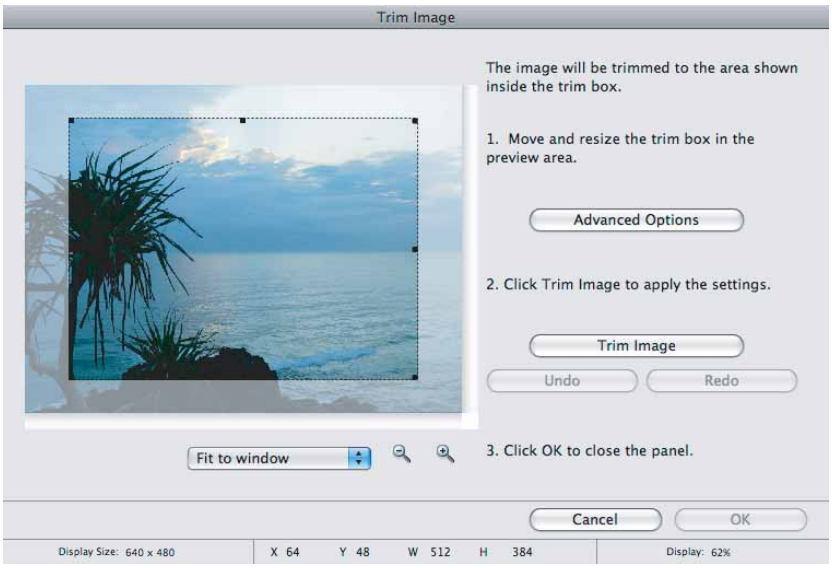
The [Image Viewer] window appears when you select an image and click [View Image] or double click an image.



1	**Back/Next**	Displays the previous/next image in the current folder.
2	**Save**	Allows saving the edited image.
3	**Edit**	Allows you to perform the following operations: red-eye correction, auto correct, color and brightness correction, sharpness adjustment, trimming, inserting text, or registering external image editing applications. Unable to use when the multiple images are selected.
4	**Number of Displays**	Allows you to display multiple images at the same time.
5	**Synchronize**	Synchronizes View functions across all displayed images.
6	**Full Screen**	Displays an image in full screen size. To return to Browser Window, click the full screen sized image or press any key.
7	**Print**	Prints the selected still image. Refer to *[Photo Print]* (📖 34).
8	**Show Shooting Information**	The shooting information of the image will be displayed. [Show AF Frame] cannot be used for the images recorded by the camcorder.

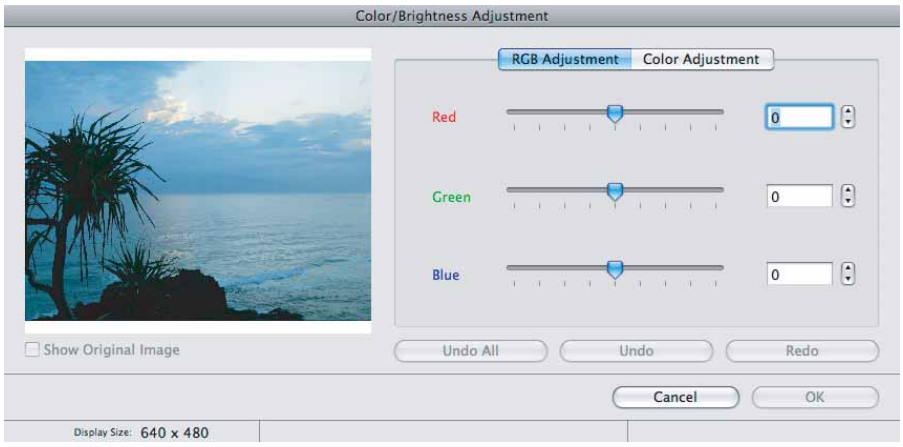
■ [Trim Image] Window

Select [Trim Image] from the Edit icon located at the bottom of the [Image Viewer] window. Specify the area in the still image to crop and click [Trim Image] to trim the image.



■ [Color/Brightness Adjustment] Window

Select [Color/Brightness Adjustment] from the Edit icon located at the bottom of the [Image Viewer] window. Use this to change the image's properties by adjusting the RGB intensity, saturation and brightness.



■ [Red Eye Correction] Window

Select [Red Eye Correction] from the Edit icon located at the bottom of the [Image Viewer] window. Use this to correct still images in which people's eyes appear red.



■ [Insert Text] Window

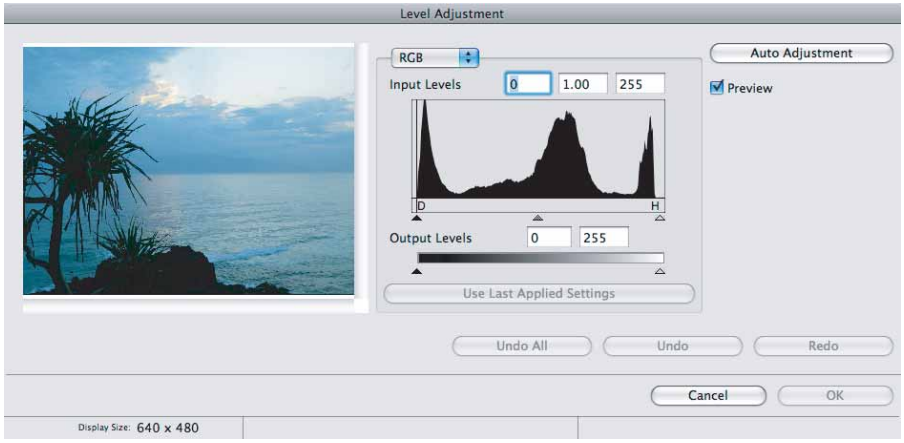
Select [Insert Text] from the Edit icon located at the bottom of the [Image Viewer] window. Use this to write text on still images.



■ [Level Adjustment] Window

Select [Level Adjustment] from the 

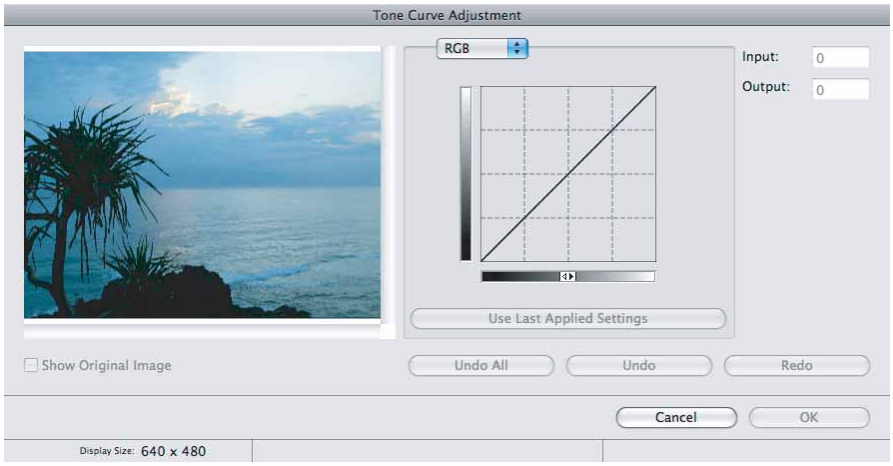
icon located at the bottom of the [Image Viewer] window. Use this to adjust the levels in a still image to change its appearance.



■ [Tone Curve Adjustment] Window

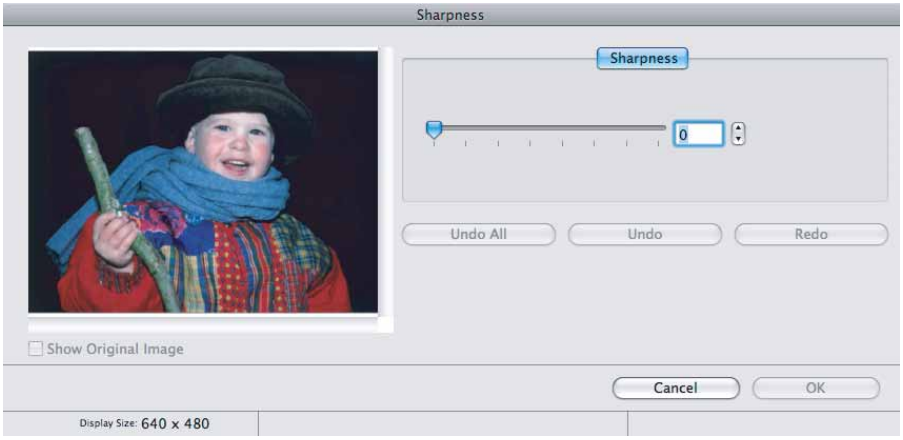
Select [Tone Curve Adjustment] from the 

icon located at the bottom of the [Image Viewer] window. Use this to adjust the tone curve for a still image to change its appearance.



■ [Sharpness] Window

Select [Sharpness] from the Edit icon located at the bottom of the [Image Viewer] window. Use this to emphasize and clarify the outlines of people and objects.



■ [Auto Adjustment] Window

Select [Auto Adjustment] from the Edit icon located at the bottom of the [Image Viewer] window. Use this to automatically correct the color balance of the still image.



Installing Photo Application

Before you connect the camcorder to the computer with the USB cable for the first time, you must install Photo Application.

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

- It may take a few minutes, after connecting the camcorder, until you can download still images.
- Still images protected on the camcorder may lose this setting once they are downloaded to the computer.
- When downloading the still images by Image Capture that comes with Mac OS, the Exif version may change to 2.1 and image information may be modified. Either install ImageBrowser to download the still images or use the following procedure.
  1) Connect the camcorder to the computer, and start Image Capture.
  2) Click [Options].
  3) Remove the checkmark from [Embed Colorsync profile] in the [Download Options] tab and click [OK].

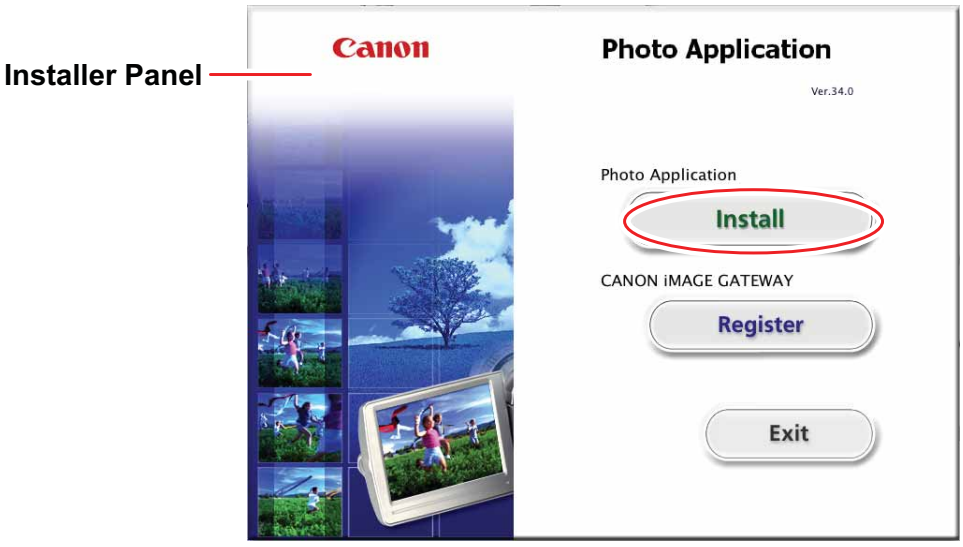
1 Close all programs that are running, and check that the camcorder is not connected to the computer.

2 Set the HFR10/HFR11/HFR100/HFM30/HFM31/HFM300 Instruction Manual/ Photo Applications Ver. 34/Music Data Disc HFS20/HFS21/HFS200 Photo Applications Ver. 34/Music Data Disc in the computer's CD-ROM drive.

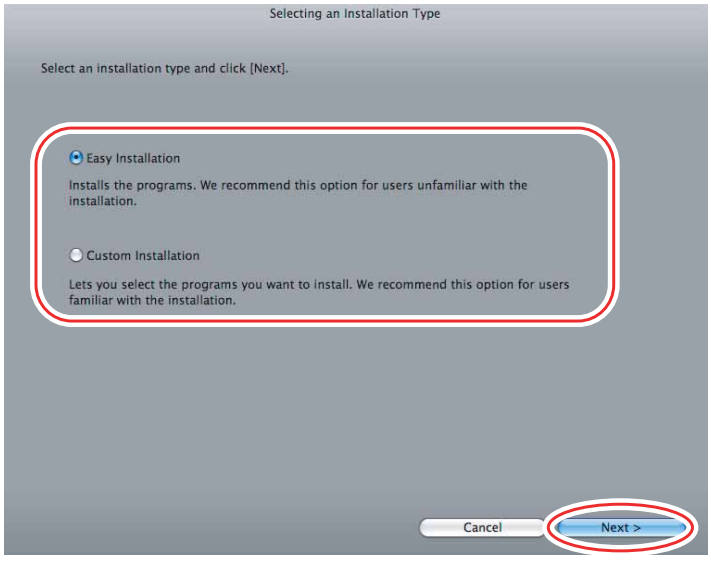
3 Double click the CD-ROM icon and the [Canon Photo Application Installer] icon.

4 Select your country or region.

5 Click [Install] under Photo Application.



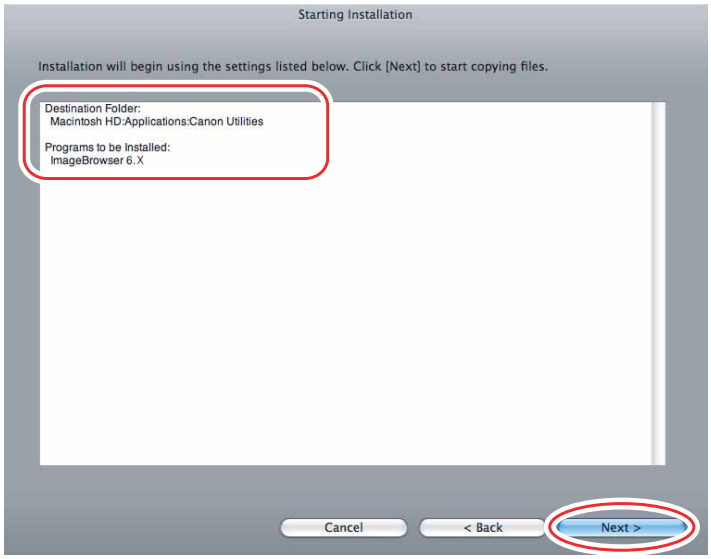
6 Select an installation type and click [Next].



7 Read the license agreement and click [Agree] to accept the terms.

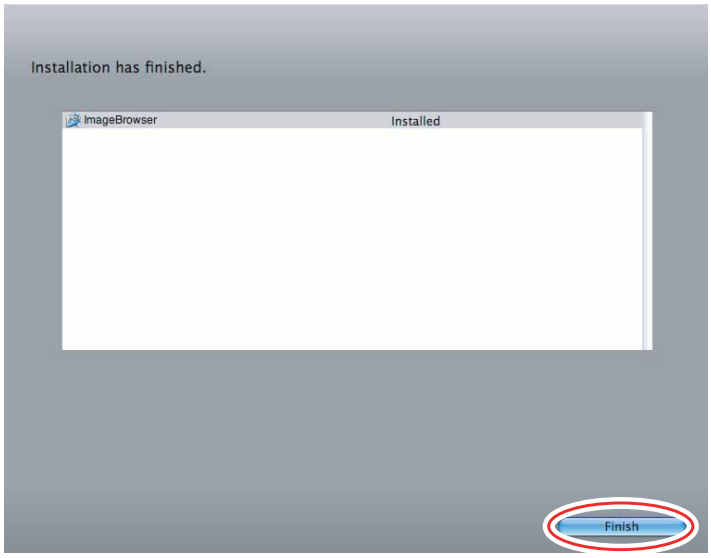
If you selected [Custom Installation] in step 6, the [Selecting Items to be Installed] window will appear. Make sure the settings are correct and then click [Next].

8 Review the installation settings and click [Next].



9 When the “Installation has finished.” message appears, click [Finish].

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



10 Remove the HFR10/HFR11/HFR100/HFM30/HFM31/HFM300 Instruction Manual/Photo Applications Ver. 34/Music Data Disc HFS20/HFS21/HFS200 Photo Applications Ver. 34/Music Data Disc

When installation is complete, remove the HFR10/HFR11/HFR100/HFM30/HFM31/HFM300 Instruction Manual/Photo Applications Ver. 34/Music Data Disc HFS20/HFS21/HFS200 Photo Applications Ver. 34/Music Data Disc before you connect the camcorder to the computer.

Before Downloading Still Images

Connecting the Camcorder to a Computer

- Be sure to install Photo Application before you connect the camcorder to the computer.
- Make sure the camcorder is being powered using the power adapter before connecting it to a computer.
- Connect the USB cable directly to one of the computer's main USB ports. The interface may not function correctly if the camcorder is connected via a USB hub.
- The connection may not operate correctly if you are using other USB devices, excluding USB mice or keyboards, at the same time. If this occurs, disconnect the other devices from the computer and try reconnecting the camcorder.
- Do not connect two or more camcorders to the same computer via the USB interface. The connections may not operate correctly.
- **Never allow the computer to go into standby (sleep) mode while a camcorder is connected via the USB interface.**

- Refer to your computer manual for the location of the computer's USB ports.
- For details about changing settings on the camcorder and connecting the camcorder to the computer, see the camcorder's instruction manual.

■ Settings on the Camcorder

Before connecting the camcorder to the computer, change the following camcorder settings in advance.

- In the still images index screen, select which still images to play back (built-in memory or memory card).
- In the [SYSTEM SETUP] menu, set [USB SETTING] to one of the following options.
  - [PC/PRINTER]:
    To simply connect the camcorder to the computer without further operations.
  - [CONNECT&SET]:
    Select [PC/PRINTER] on the camcorder every time you connect it to a computer.

■ Connecting the Camcorder

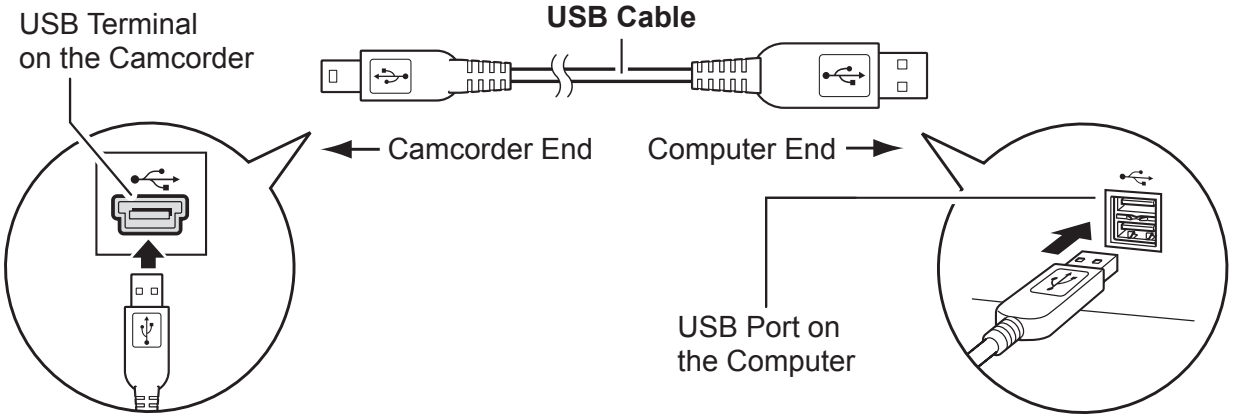
1 **Connect the compact power adapter to the camcorder.**

2 **If downloading images from a memory card, insert the memory card into the camcorder.**

3 **Set the camcorder to still image playback mode.**

Wait until the ACCESS indicator stops flashing.

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



Downloading Still Images

Below explains the procedure for connecting a camcorder to a computer using the USB cable. For connecting a card reader/writer, see *Using a Card Reader/Writer* (📖 30).

- You may not be able to download images with ImageBrowser or OS standard software (depending on the computer you are using and the installed OS) if the built-in memory or the memory card contains more than approximately 1000 images. In such case, copy the images in the built-in memory to a memory card and then use a card reader/writer to download the images to the computer.
- If the built-in memory or the memory card contains a large number of images, the correct connection to the computer may not be possible. The maximum number of images depends on the camcorder used, so please refer to the relevant chapter in your camcorder's Instruction Manual.
  In such case, copy the images from the built-in memory to a memory card and then use a card reader/writer to transfer the images to the computer.
- Observe the following precautions when the camcorder's access indicator is flashing. Failure to do so may cause data to become corrupted.
  - Do not remove the memory card or detach the USB cable.
  - Do not turn off the camcorder or the computer.
  - Do not switch between the shooting and playback modes.
- The still images you recorded and/or downloaded to the hard disk are important original data files. Create a copy of the file first before working on it on your computer.
- The memory capacity that appears in the CameraWindows menu screen will differ from the capacity that appears on the camcorder's screen.

Downloading Still Images to the Computer

You can select a downloading method in the [Import Images from Camera] window.

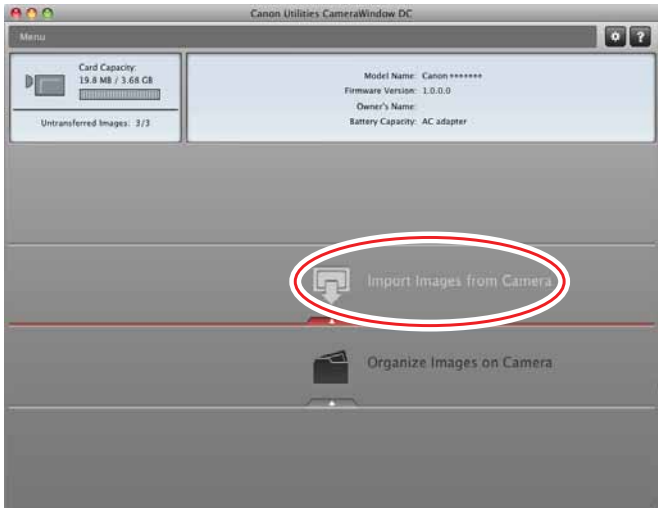
■ Downloading Untransferred Images

Download only the images not yet imported to the computer.

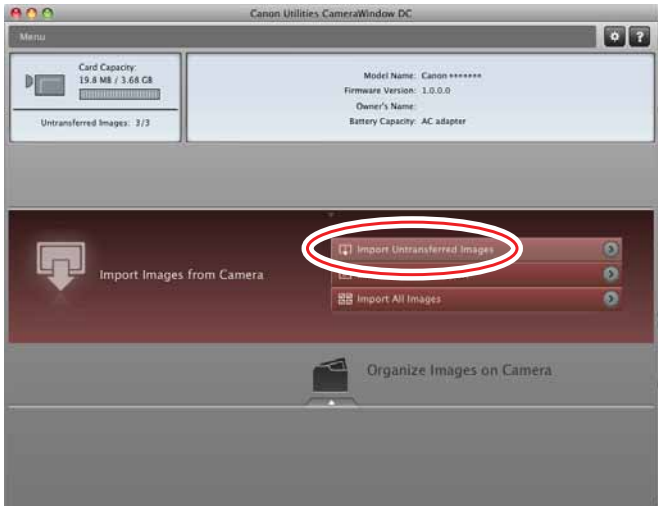
1 Connect the camcorder to the computer.

- The CameraWindow menu screen will be displayed. If it does not appear automatically, click the [CameraWindow] icon in the Dock (the bar at the bottom of the desktop).
- If you do not want the CameraWindow menu screen to open automatically when you connect the camcorder, click the [File] menu and clear the check mark from [Displays this screen when the camera is connected].

2 Click [Import Images from Camera] in the CameraWindow menu screen.



3 Click [Import Untransferred Images].

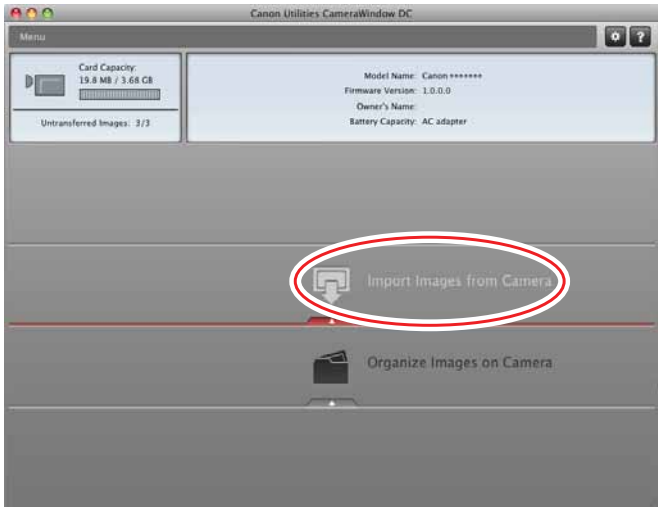


When the download completion screen appears, click [OK] to close the CameraWindow screen. The downloaded images will appear in the main window of ImageBrowser.

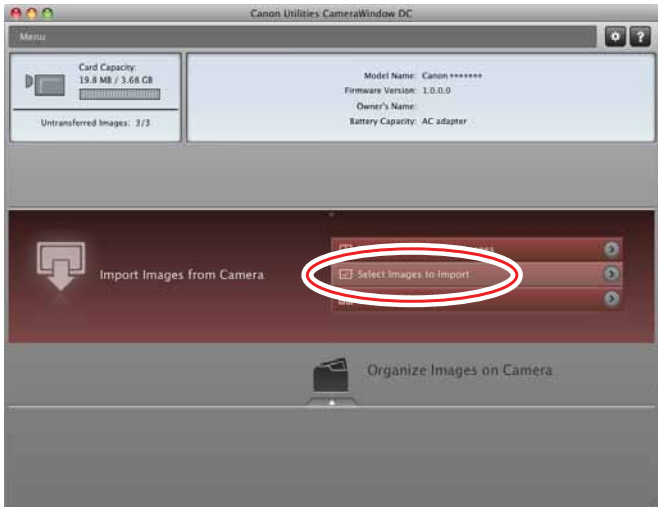
■ Downloading Selected Images

Download only the images that you select.

1 Click [Import Images from Camera] in the CameraWindow menu screen.



2 Click [Select Images to Import].



3 Select images for download in the [Import Images from Camera] window, and click the [Import] button.

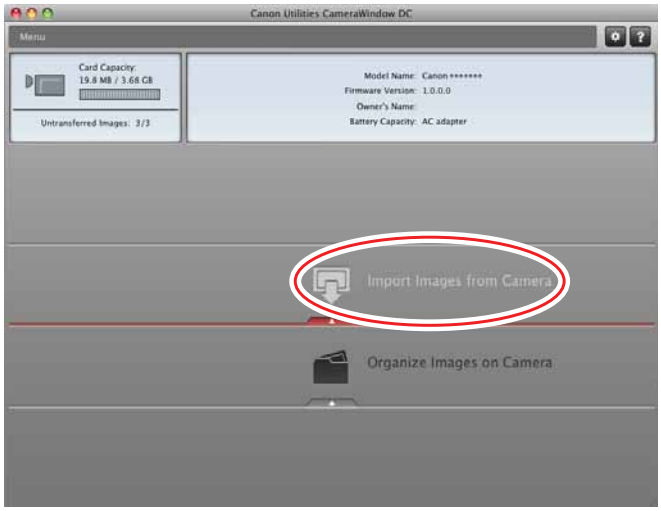


When the download completion screen appears, click [OK] to close the CameraWindow screen. The downloaded images will appear in the main window of ImageBrowser.

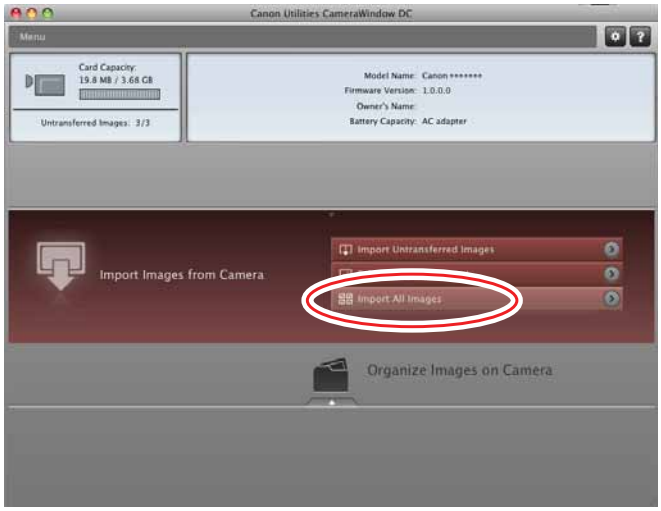
■ Downloading All the Images on the Camcorder

Download all the images saved on the camcorder.

1 Click [Import Images from Camera] in the CameraWindow menu screen.



2 Click [Import All Images].



When the download completion screen appears, click [OK] to close the CameraWindow screen. The downloaded images will appear in the main window of ImageBrowser.

Using a Card Reader/Writer

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

If you are using SDHC cards, you need to use a card reader/writer compatible with SDHC cards.

1 Insert a memory card containing images recorded with the camcorder into the card reader/writer and connect it to the computer.

2 Select a method to download the images.

- [Download Images]: A progress bar will be displayed and images will be downloaded to the computer, and ImageBrowser starts. To apply auto-downloading settings, refer to *Applying Auto-downloading Settings* (📖 31).
- [Lets you select and download images]: ImageBrowser opens, displaying the still images on the memory card as thumbnails (small images).



■ Auto-downloading

1 Click [Download Images].

Click [Exit] to close the window after downloading images.



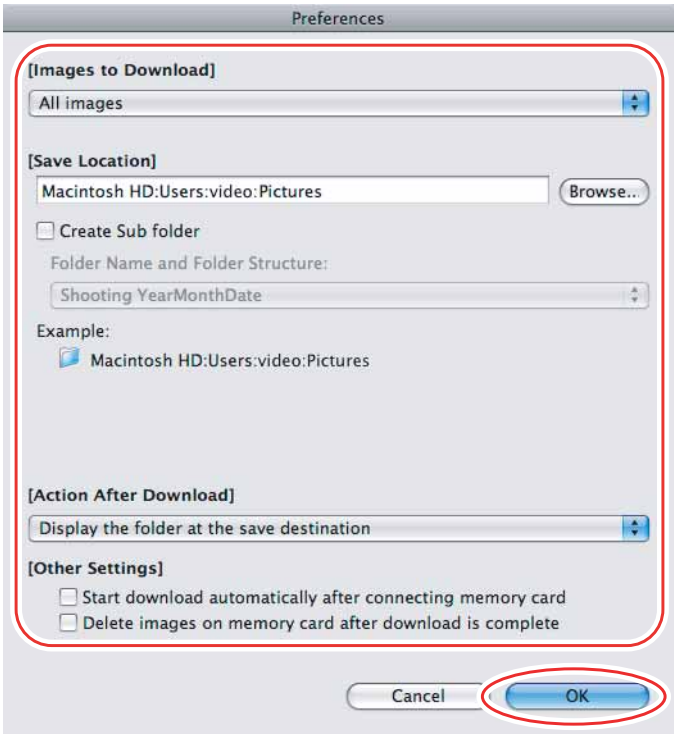
■ Applying Auto-downloading Settings

This task allows you to apply auto-downloading settings. You can specify the types of still images and the destination folder.

1 Click [Preferences].



2 Configure the settings and click [OK].



■ Downloading the Selected Still Images from ImageBrowser

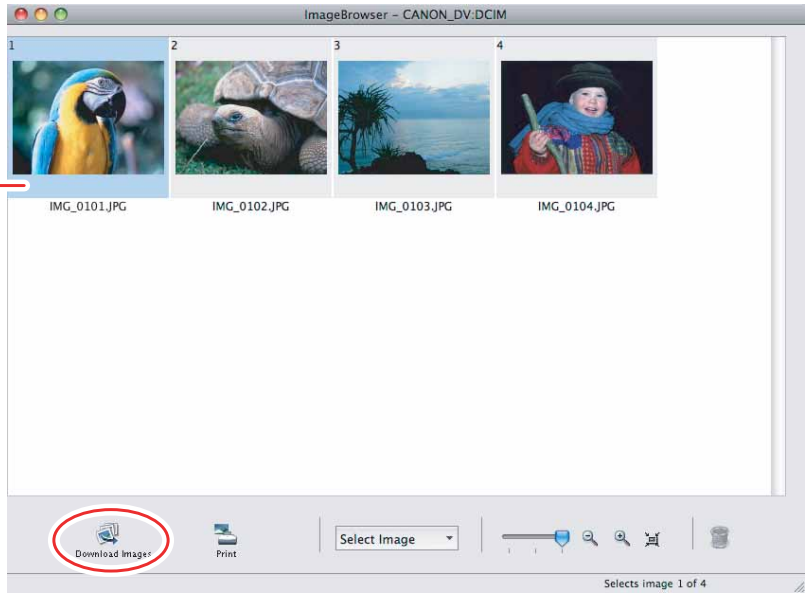
1 Click [Lets you select and download images].



2 Select images you wish to download and click [Download Images].

- Clicking on 2 images while holding down the [option] + [shift] key selects also all images between the 2 images.
- Clicking on different images while holding down the [shift] key selects multiple images.

A blue frame appears around the selected image.



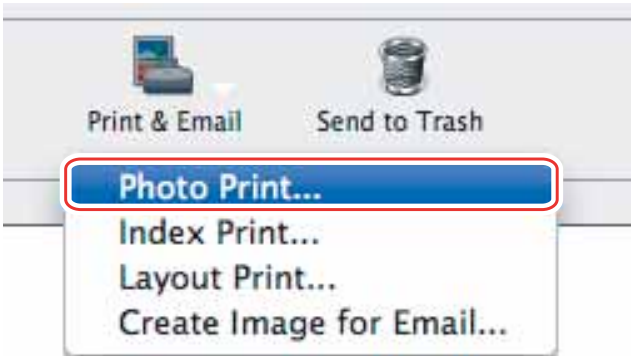
Printing Still Images

You can select one of the following 3 methods to print still images.

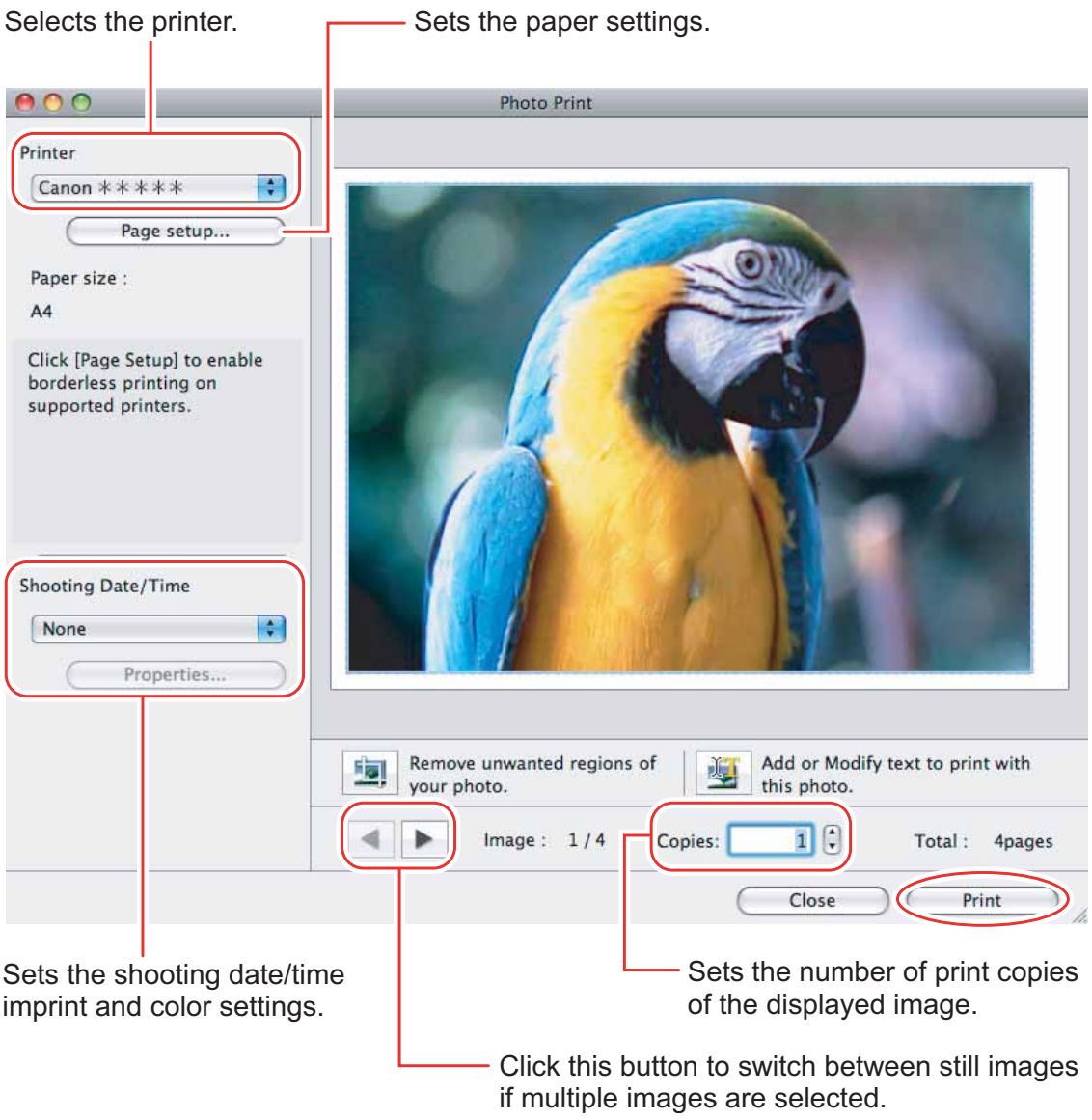
- [Photo Print]
  - Prints one still image per page.
- [Index Print]
  - Prints selected images in rows with file names and image information.
- [Layout Print]
  - Allows you to lay out the selected still images in special arrangements and add text and decorations, printing them as one page in a fancy album.

■ [Photo Print]

1 Select the still images you wish to print and click [Print & Email] ▸ [Photo Print] from the displayed menu.



2 Specify the print settings and click [Print].

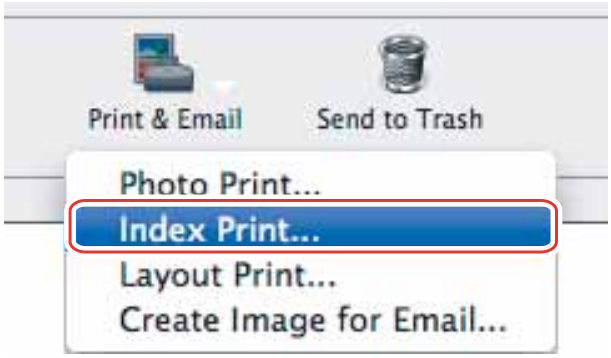


3 When the print window opens, click [Print].

4 When the printing finishes, click ⊗ to close the window.

■ [Index Print]

1 Select still images you wish to print and click [Print & Email] ▸ [Index Print] from the displayed menu.

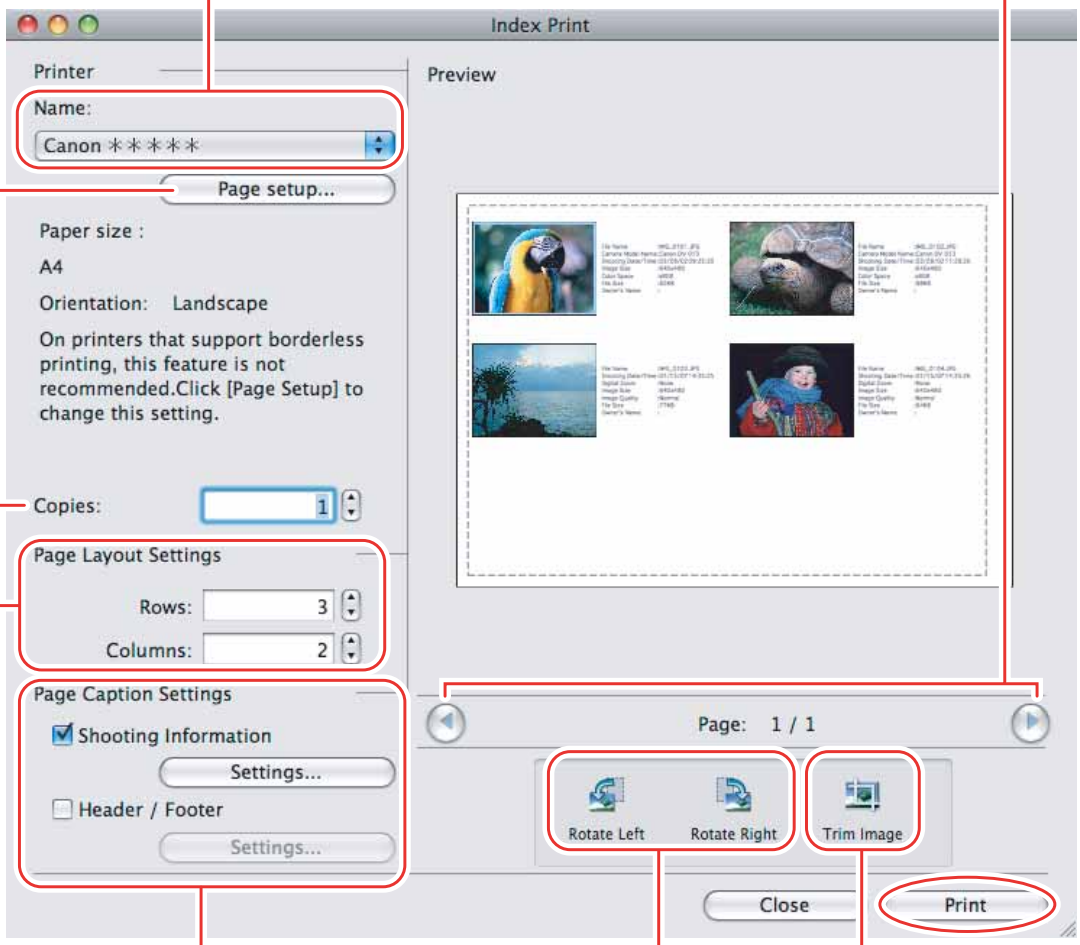


2 Specify the print settings and click [Print].

Sets the paper size and orientation.

Selects the printer.

Click these buttons to switch between pages.



Sets the print settings for shooting information, comments, headers, footers and page numbers.

Click this to use the trimming function (crops a portion of the still image).

Sets the number of rows and columns.

Rotates still images.

Sets the number of print copies of the contact sheets.

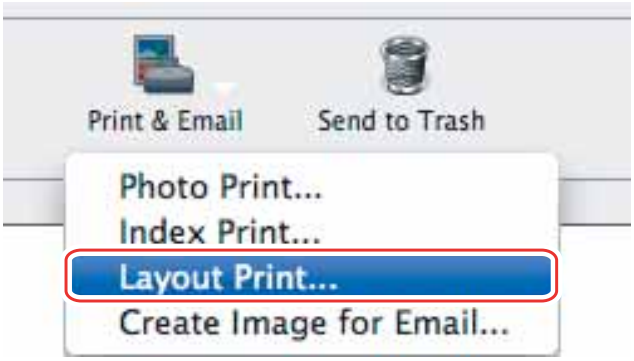
3 When the print window opens, click [Print].

4 When the printing finishes, click ⊗ to close the window.

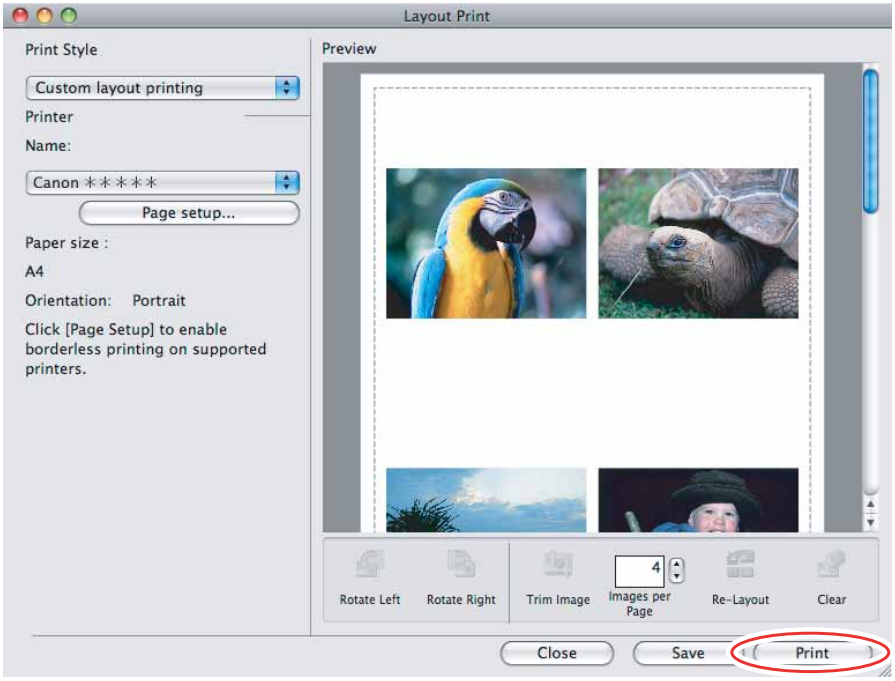
■ [Layout Print]

- You can select one of the following 3 layout print methods.
  - [Custom layout printing]:
    Allows you to specify the size and location of the still images freely.
  - [Fixed photo size printing]:
    Allows you to specify the size of the all still images.
  - [Tiled photo printing]:
    Allows you to have the program lay out and print the specified number of images per page with no gaps between still images on the page.
- Selecting [Edit] ▸ [Add Text] allows you to write some text on a still image. You can move added text boxes on the still image by dragging them.
- Selecting [Edit] ▸ [Edit Header] allows you to insert a header.

1 Select still images you wish to print and click [Print & Email] ▸ [Layout Print].



2 **Select a print style from the pull-down menu and click [Print] after specifying the print settings.**



3 **When the print window opens, click [Print].**

4 **When the printing finishes, click ⊗ to close the window.**

Organizing Images

Applying Star Rating

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

1 Select the image to which you wish to apply the Star Rating.

2 Select [Change Star Rating] from the [Edit] menu.



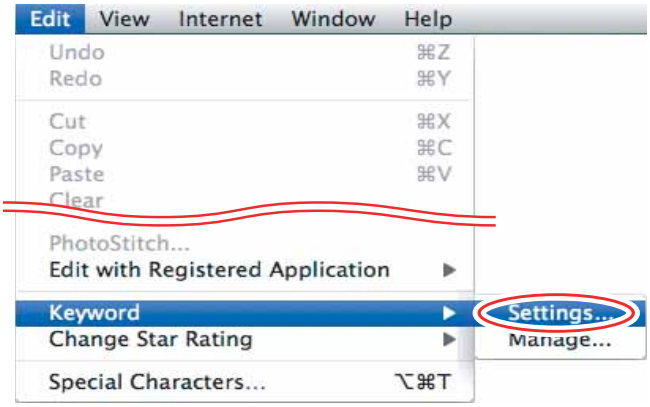
The default setting of the star rating is two stars.

Specifying the Keywords

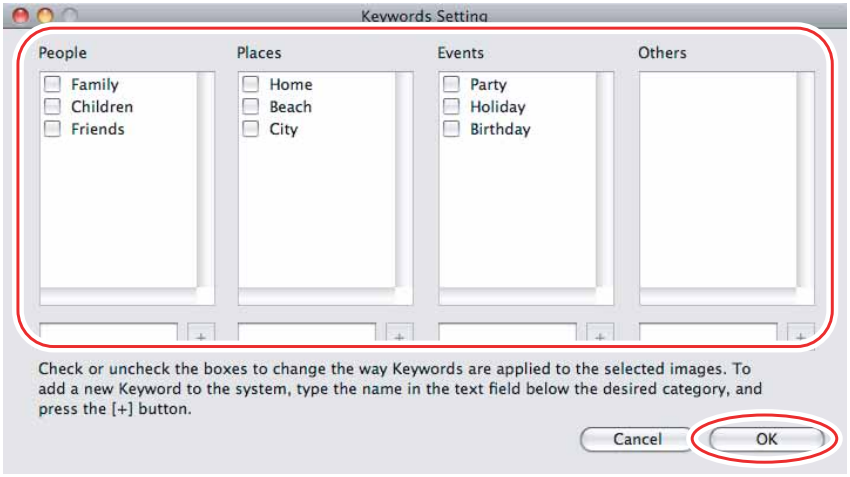
You can use keywords when searching for images.

1 **Select an image to which you wish to apply the keyword.**

2 **Select [Keyword] ▸ [Settings] from the [Edit] menu.**



3 **Place a check mark next to the keyword you wish to apply and click [OK].**



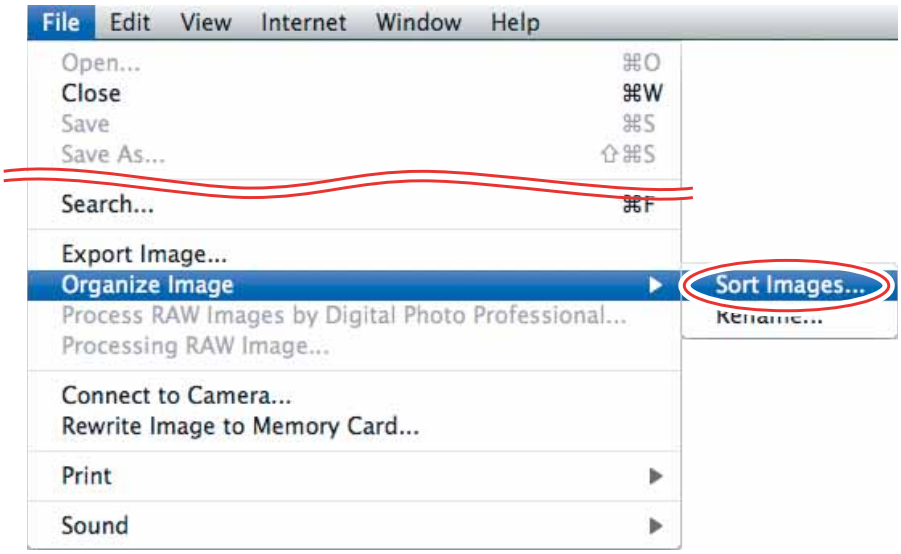
You can add and delete keywords, or change the keyword list in the [Manage Keywords] window by selecting [Keyword] ▸ [Manage] from the [Edit] menu.

Classifying the Images

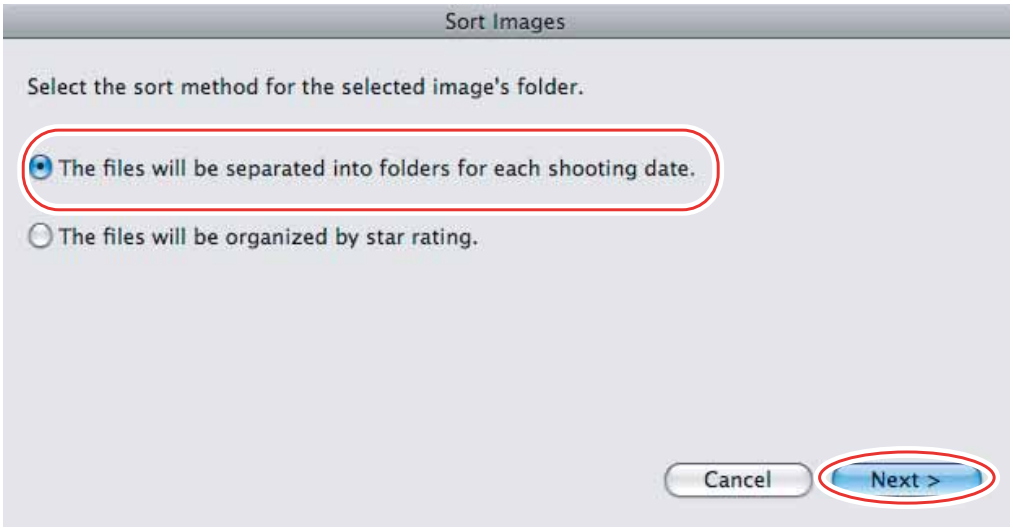
This task allows you to sort images into a folder according to the shooting date or star rating.

■ Sort by the Shooting Date

1 Select the images you wish to classify and select [Organize Image] ▸ [Sort Images] from the [File] menu.



2 Select [The files will be separated into folders for each shooting date.] and click [Next].



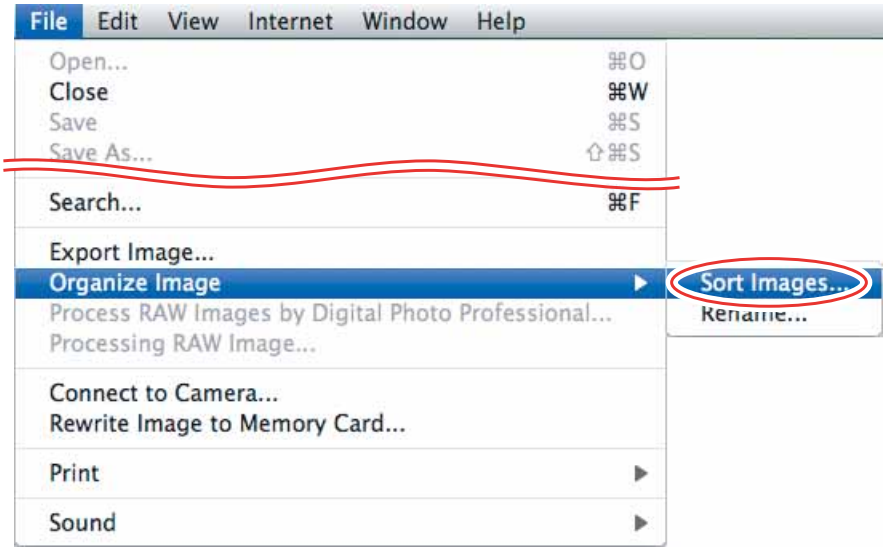
3 Specify the sort settings and click [OK].

The selected images are classified into the specific folder.



■ Sort by the Star Rating

1 Select the images you wish to classify and select [Organize Image] ▸ [Sort Images] from the [File] menu.



2 Select [The files will be organized by Star Rating.] and click [Next].



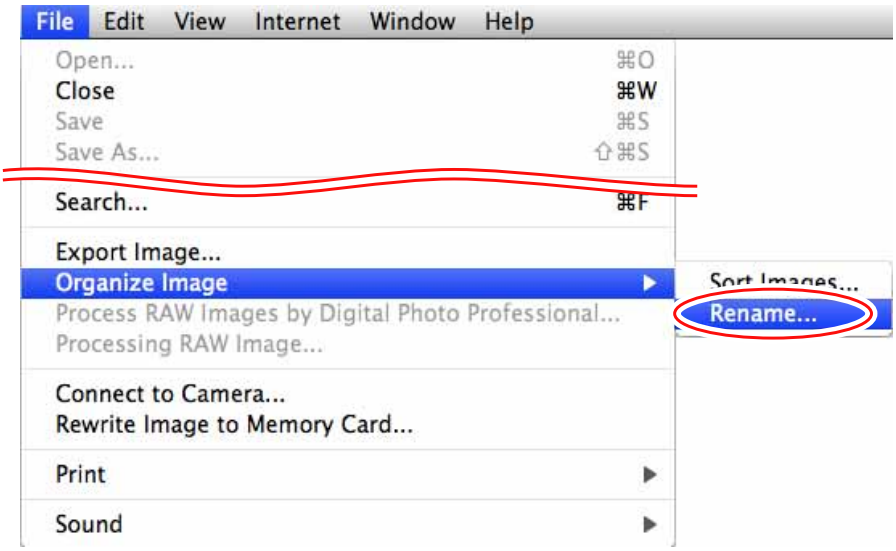
3 Specify the sort settings and click [OK].



Renaming Multiple Files

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

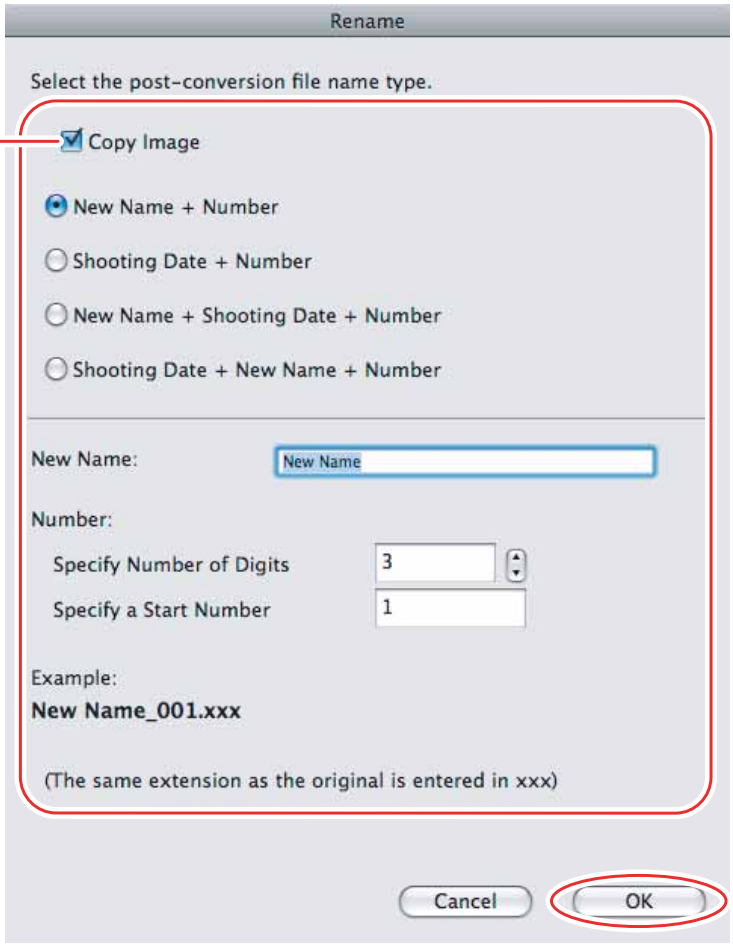
1 Select the images you wish to rename and select [Organize Image] ▸ [Rename] from the [File] menu.



2 Specify the settings and click [OK].

The images are renamed according to the settings specified.

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



Searching for Images

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

1 Select a folder in the explorer view.

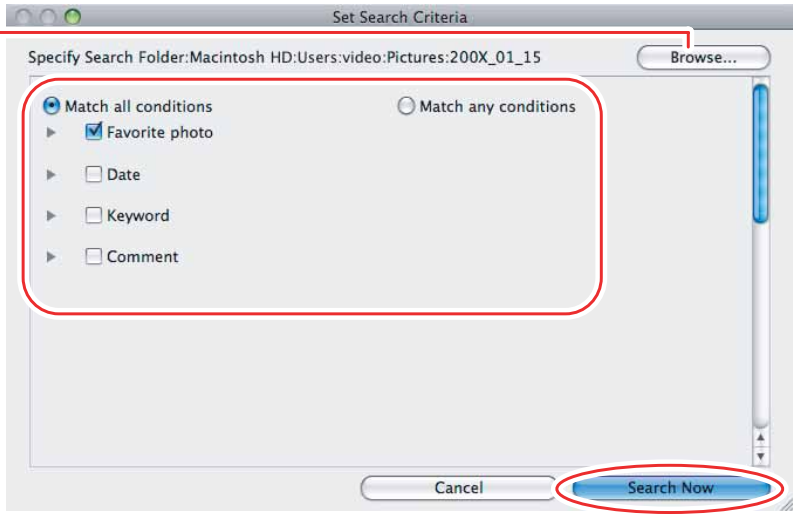
2 Select [Search] from the [File] menu.



3 Specify the search conditions and click [Search Now].

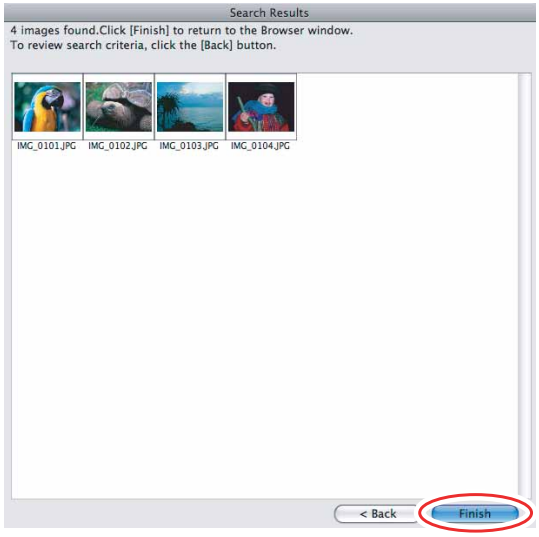
- The search results are displayed as thumbnails.
- Select at least one search condition.
- Clicking the ▶ icon discloses the parameters of settings.

Clicking this button allows you to specify a folder.

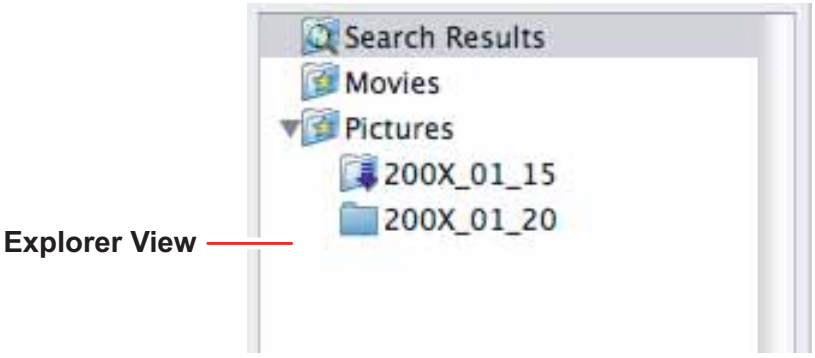


4 Click [Finish].

- To change the search parameters and perform another search, click [Back] and repeat steps 3-4.



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



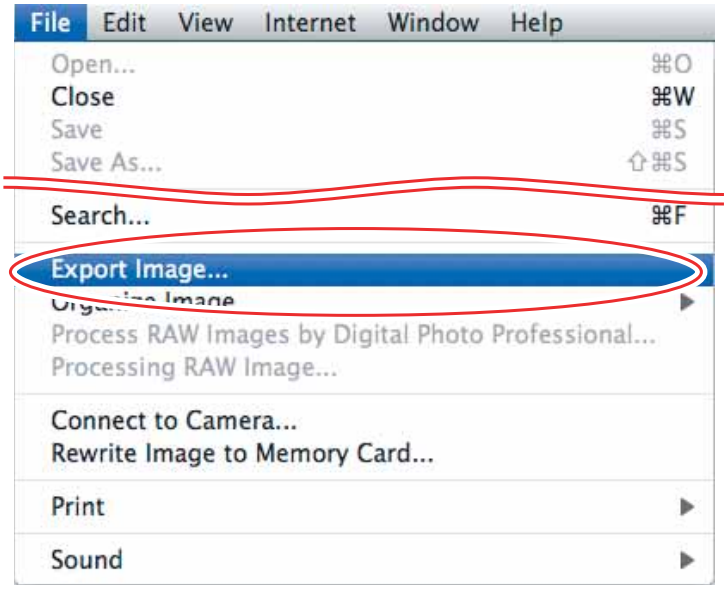
The searched images will remain in this folder until ImageBrowser is closed or another search is performed, but if you delete an image in this folder, the corresponding original image will be deleted as well.

Exporting Images

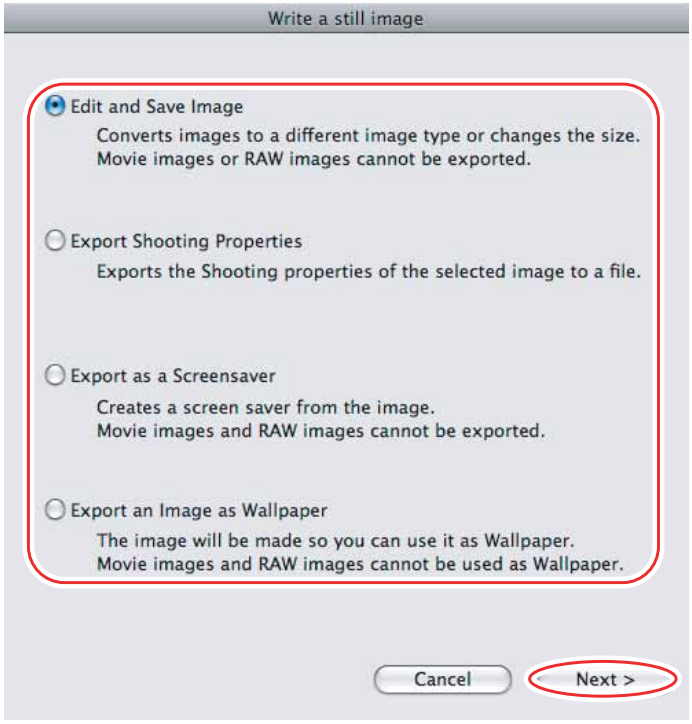
Changing the File Type and Saving

This task allows you to change the size, resolution or data of selected still images and save them as new files and allows saving the shooting properties of the still image to a text file or copying the still images with new names. Furthermore, you can export still images for use as a screen saver or a wallpaper.

1 Select an image you wish to export and [Export Image] from the [File] menu.



2 Select exporting type and click [Next].

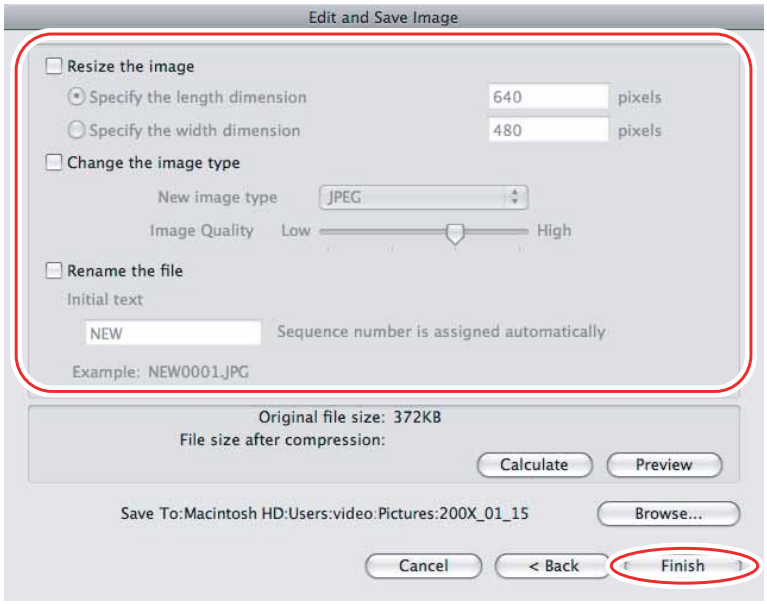


3 Specify the export settings and click [Finish].

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

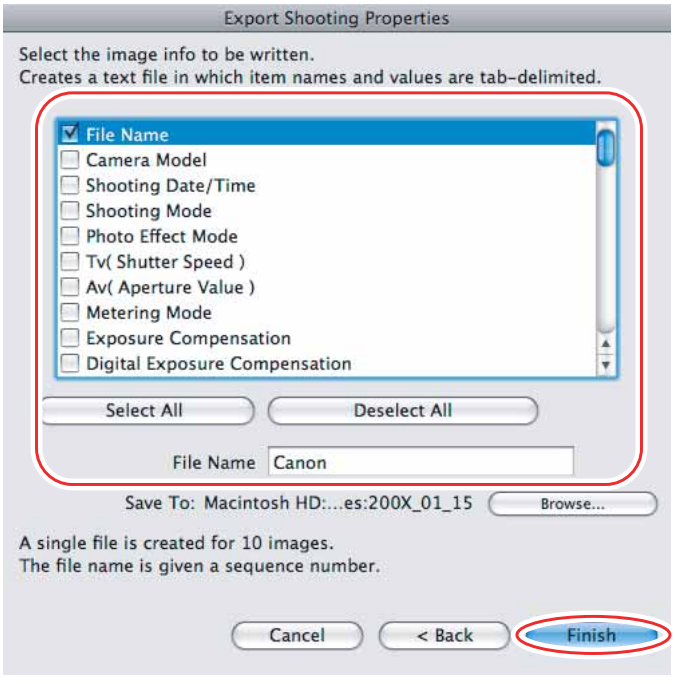
When you have selected [Edit and Save Image]:

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

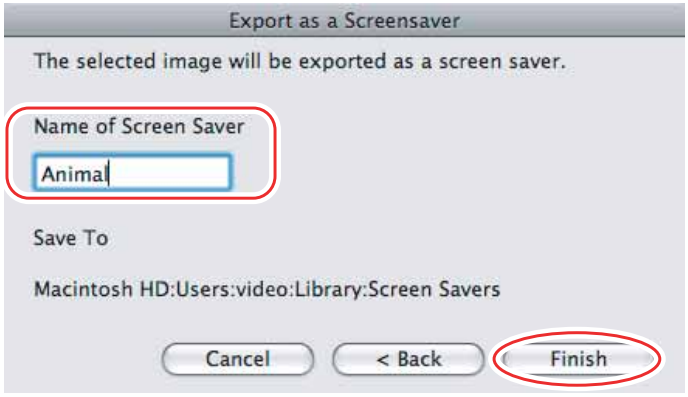


When you have selected [Export Shooting Properties]:

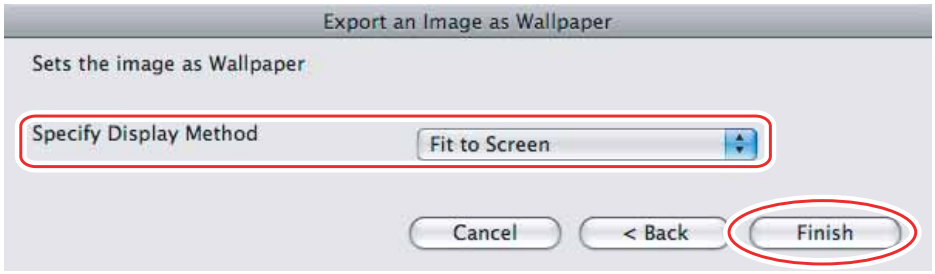
You can select information you wish to export and save as a text file.



When you have selected [Export as a Screensaver]:
You can export and save the image as a screen saver.



When you have selected [Export an Image as Wallpaper]:
You can export and save the image as a desktop wallpaper. This task cannot be performed if you have selected multiple images.



Uploading Still Images to the Camcorder

You can copy still images saved on the computer to the camcorder.

1 Connect the camcorder to the computer (📖 23).

The still images will be added to the memory selected for the playback of still images (built-in memory or memory card).

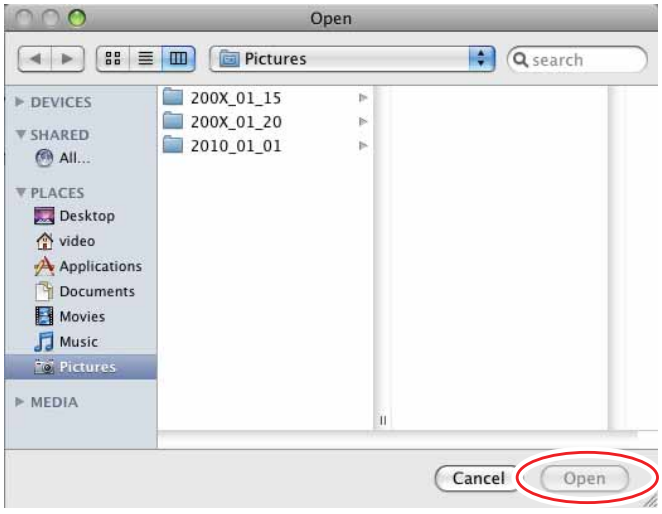
2 Click [Organize Images on Camera] ▸ [Organize Images] in the CameraWindow menu screen.

3 Click [Upload].



4 Select the still image you wish to add and click [Open].

You can check the selected image by clicking the file name.

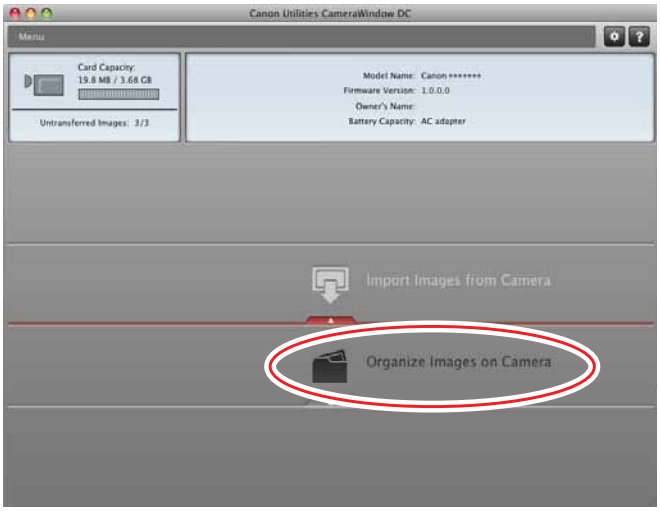


- If the camcorder is already connected to the computer and the main window of ImageBrowser is displayed (immediately after download, for example), you can start CameraWindow and display the CameraWindow menu screen by clicking the [Canon Camera] task button.

Deleting Still Images on the Camcorder

■ Organizing Images on the Camcorder

1 Click [Organize Images on Camera] ▸ [Organize Images] in the CameraWindow menu screen.



2 Click the still image you want to delete, and click [Delete].

- Still images cannot be restored once they are deleted.

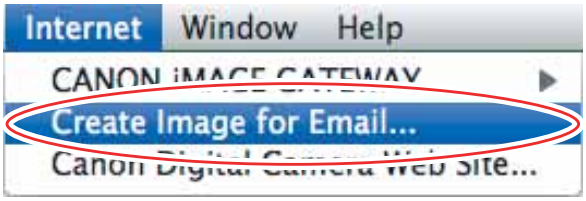


Attaching Images to E-mail Messages

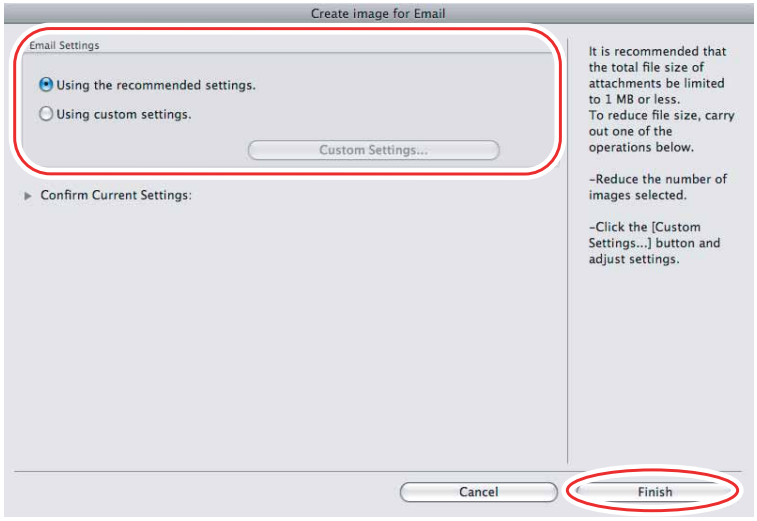
You can attach selected images to an e-mail message. If necessary, you can make the image file size smaller.

1 **Select the images you wish to send in the Browser Area.**

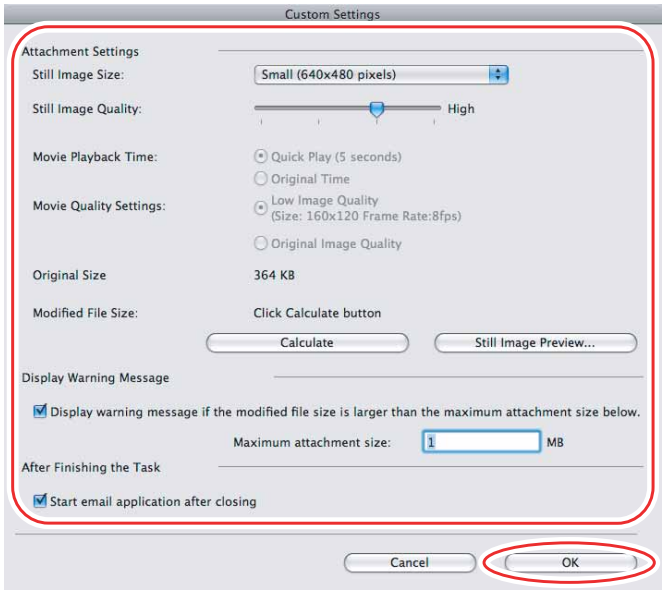
2 **From the [Internet] menu, select [Create Image for Email].**



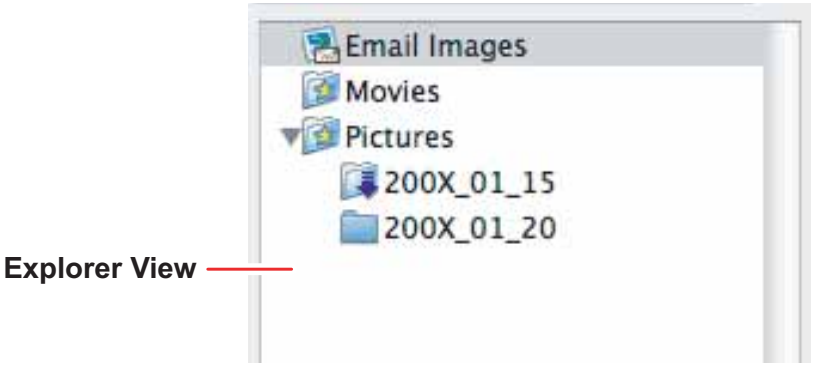
3 **Specify the image size and click [Finish].**



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



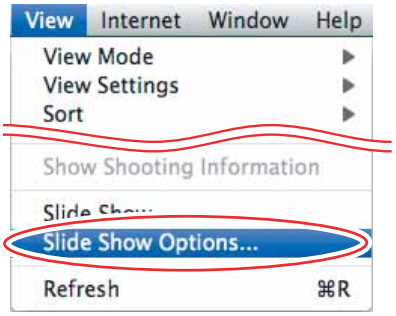
- The image will be saved to the [Email Images] folder in the explorer view section.



- Note that some e-mail software may not start automatically. For details, refer to the Help menu of the OS you are using.
- You can also set the e-mail software that starts automatically after the image is created. To do so, click the [Applications] folder on the drive where the OS was installed and then double click the [Mail] icon. Next, in Mail preferences, click [General] and then configure [Default Email Reader].
- The images in the [Email Images] folder are saved in the following location: Open the [Users] folder, followed by [User login name], [Library], [Preferences], [ImageBrowserUserData], and [Mail].

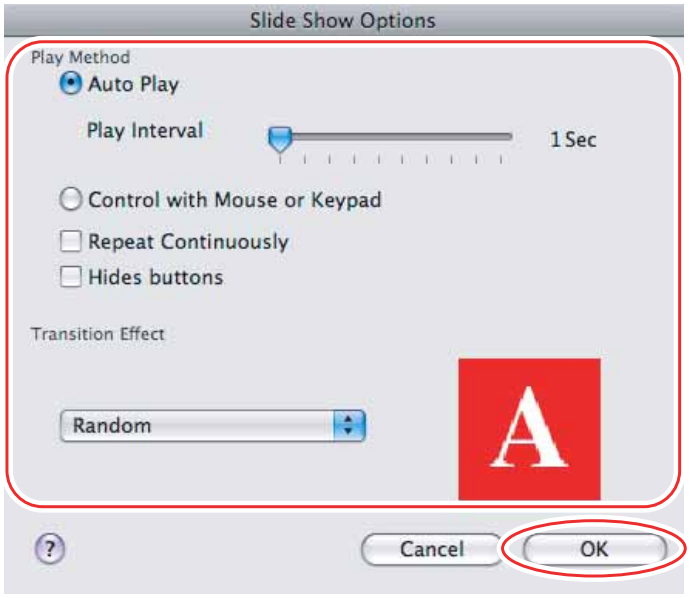
Running a Slide Show

1 From the [View] menu, select [Slide Show Options].



2 Select the slide show settings and click [OK].

- [Auto Play]: Select the interval by sliding the control under [Play Interval] (from 1 to 30 seconds).
- [Control with Mouse or Keypad]: Advances the slide show manually with the mouse or keyboard.
- [Repeat Continuously]: Runs the slide show in a loop.
- [Hides buttons]: Hides the buttons during the slide show.
- [Transition Effect]: Select the transition effect to be used when moving from one slide to another. When you select an effect, you can check the effect in the preview window.



3 Select the images and select [Slide Show] from the [View] menu.

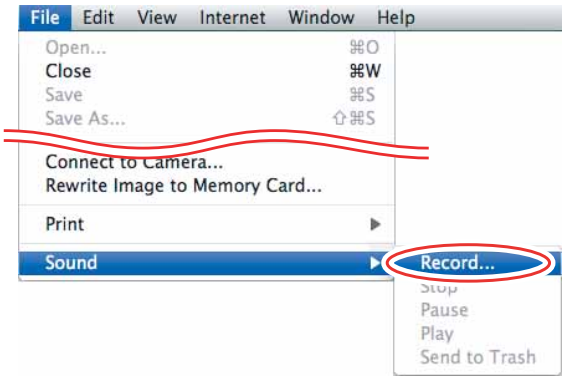
Click on the lower right of the screen to end the slide show.

Adding Sound to a Still Image

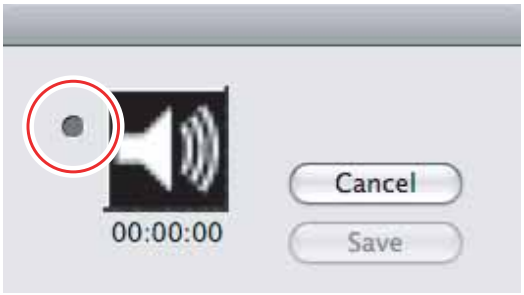
- To add sound to still images, use the Mac OS recording function. Depending on the computer, you may need to connect peripherals such as microphones. Check if your computer settings allow recording.
- The sound cannot be played back on the camcorder.

1 In the Browser Area, select a still image and select [Sound] ▸ [Record] from the [File] menu.

The recording window appears.



2 Click ● and start recording when the [Save] button is enabled.



3 Click [Save] to stop recording.

- appears on the still image.
- The sound file will be copied in AIFF type (extension ".aif") to the same folder as the still image.
- To play back the sound, select an image with a sound icon and select [Sound] ▸ [Play] from the [File] menu.

❍ To remove sound from a still image, select [Sound] ▸ [Send to Trash] from the [File] menu. disappears and the copied sound file will be deleted.

❍ While playing back the sound, select [Sound] ▸ [Pause] or [Stop] to control the status.

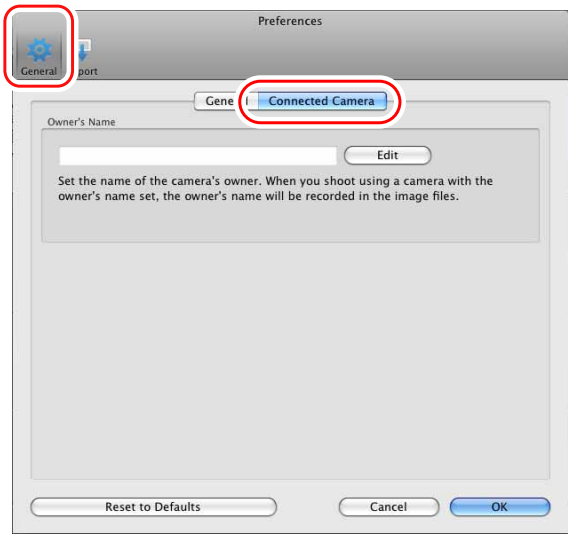
Reviewing and Changing the Owner Name of the Camcorder

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

1 **Connect the camcorder to the computer (23).**

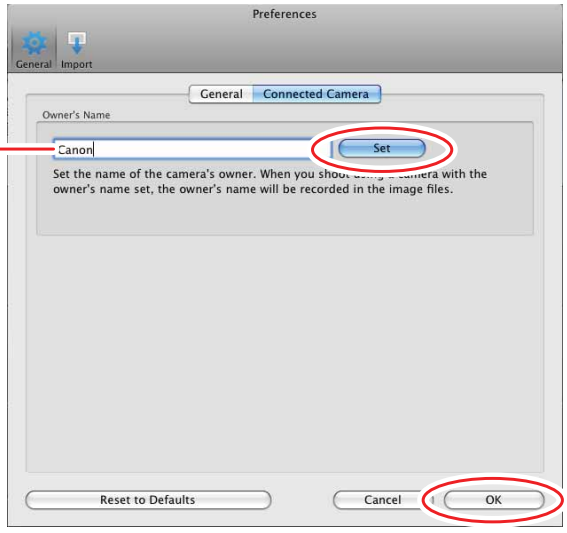
2 **Click [Preferences] in the CameraWindow menu screen.**

3 **Click the [General] tab, and then click the [Connected Camera] tab.**



4 **Click [Edit] and enter the camcorder's owner's name and click [Set] ▸ [OK].**

Input the camcorder's owner's name here (up to 31 characters).



Macintosh

Uninstalling the Software

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

Uninstalling ImageBrowser

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

- If the program folders contain subfolders into which images have been saved, be careful not to accidentally delete those subfolders.
- For more details on how to uninstall ImageBrowser, refer to Read Me.

Troubleshooting

Connection

? Camcorder is not recognized when connected to the computer.

➔ **There is no memory card in the camcorder.**
Insert a memory card into the camcorder.

➔ **The camcorder is not set to the correct mode.**
Set the camcorder to still image playback mode.

➔ **Camcorder is not correctly connected to the computer.**
Read *Connecting the Camcorder to a Computer* (📖 23) and check the connection.
Ensure that you are using the correct cable and that its connectors are in good shape.

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

ImageBrowser Operation

? Cannot download still images.

➔ **The camcorder is not set to the correct mode.**
Set the camcorder to still image playback mode.

? Image files or folders do not appear in ImageBrowser.

➔ **Images or folders shown in ImageBrowser and the actual file contents may be different.**
Click the [View] menu and select [Refresh].

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