Canon

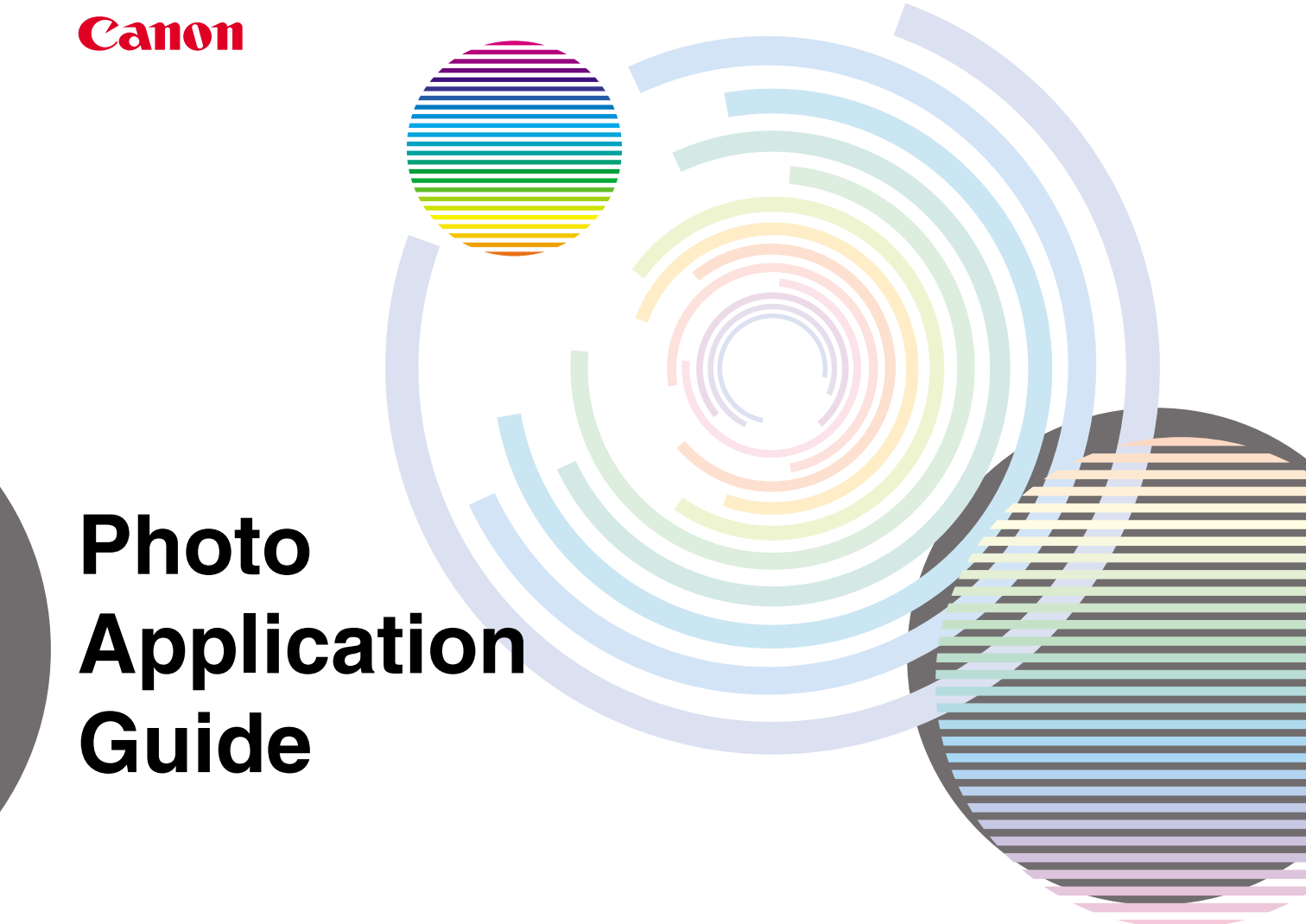


Photo Application Guide

V2

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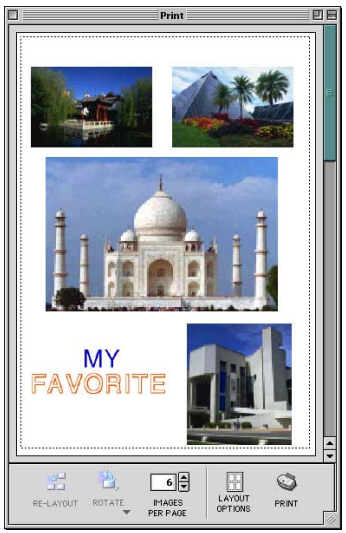
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Printing with ImageBrowser

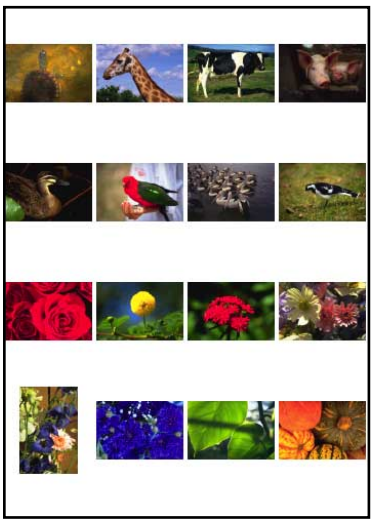
ImageBrowser enables you to import image data captured with digital cameras or scanners into a computer and produce photo-quality printouts in a quick and easy fashion. Using ImageBrowser with a Canon BJ printer and a scanner or digital camera, you can enjoy superb-quality photo prints.

Custom Layout Printing



You can quickly reorganize the selected images. The trimming and text insertion tasks are also easy.

Index Printing



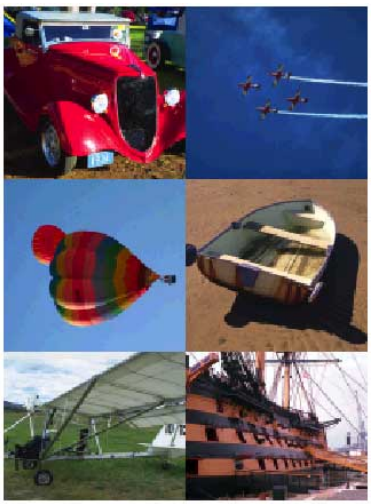
You can print a photo index that contains thumbnails automatically arranged in a suitable layout for the selected thumbnail size (large, medium, or small).

Fixed Photo Size Printing



You can print images in the specified photo size.

Tiled Photo Printing (Borderless Printing)



You can print images with no margins around each image, so that a single image is printed borderless along the paper edges and multiple images are arranged like tiles with no space between them (available with BJ printers that support the borderless printing feature).

Canon Perforated Paper Printing



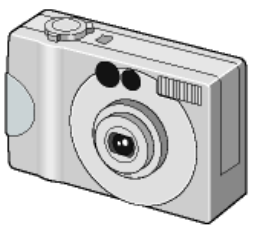
You can easily make your images fit in a sheet of Canon perforated paper.

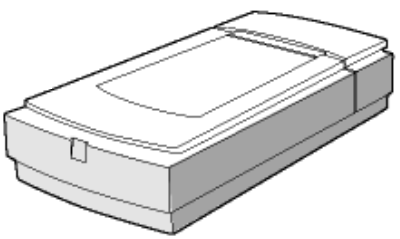
Basic Operation Procedure

The basic operation steps to capture, import, edit, and print photo images are summarized below.

1 Acquiring images with a camera or scanner

Capture your favorite images with your digital camera or scanner.

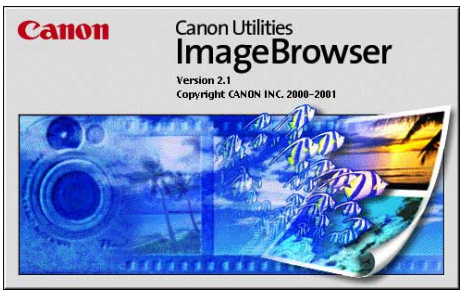






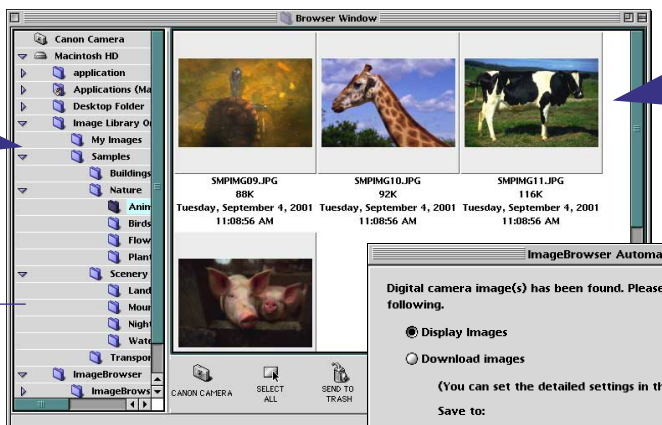
2 Importing images

Start ImageBrowser.



Import images stored in the memory card or the digital camera into the Camera Window.





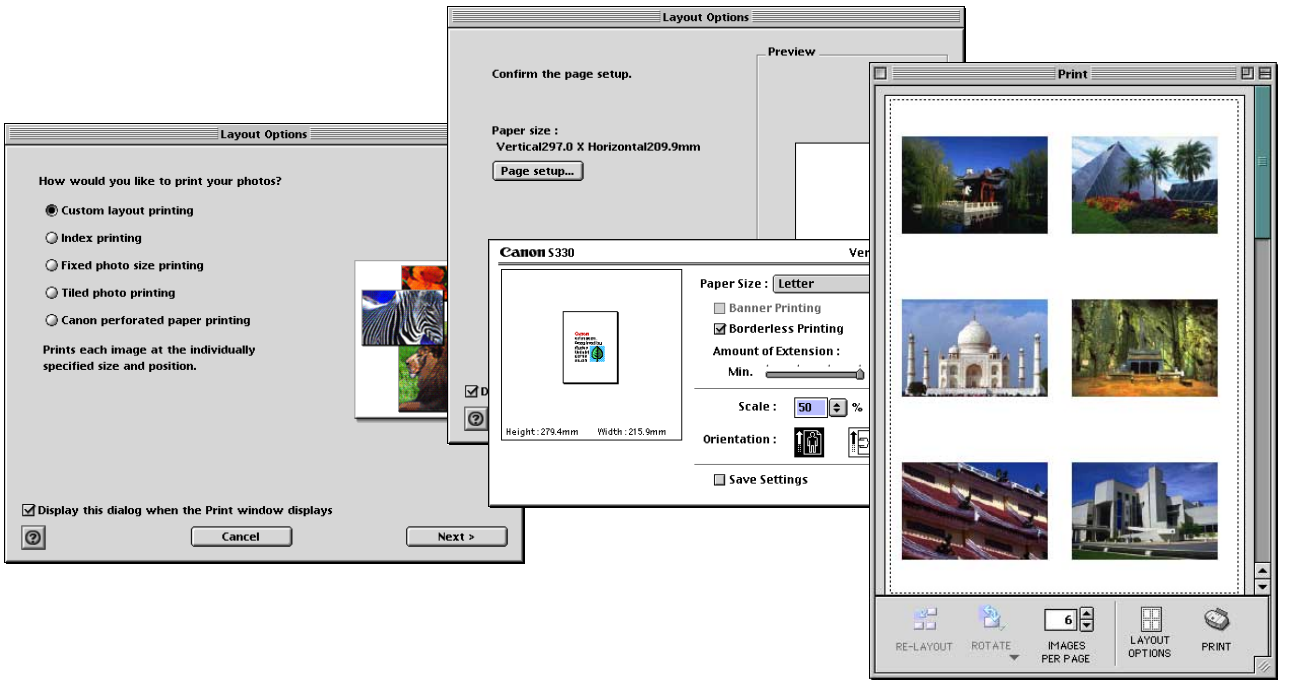
ImageBrowser supports some simple image editing features.



The Automation wizard provides easy means of importing images.

3 Selecting a layout

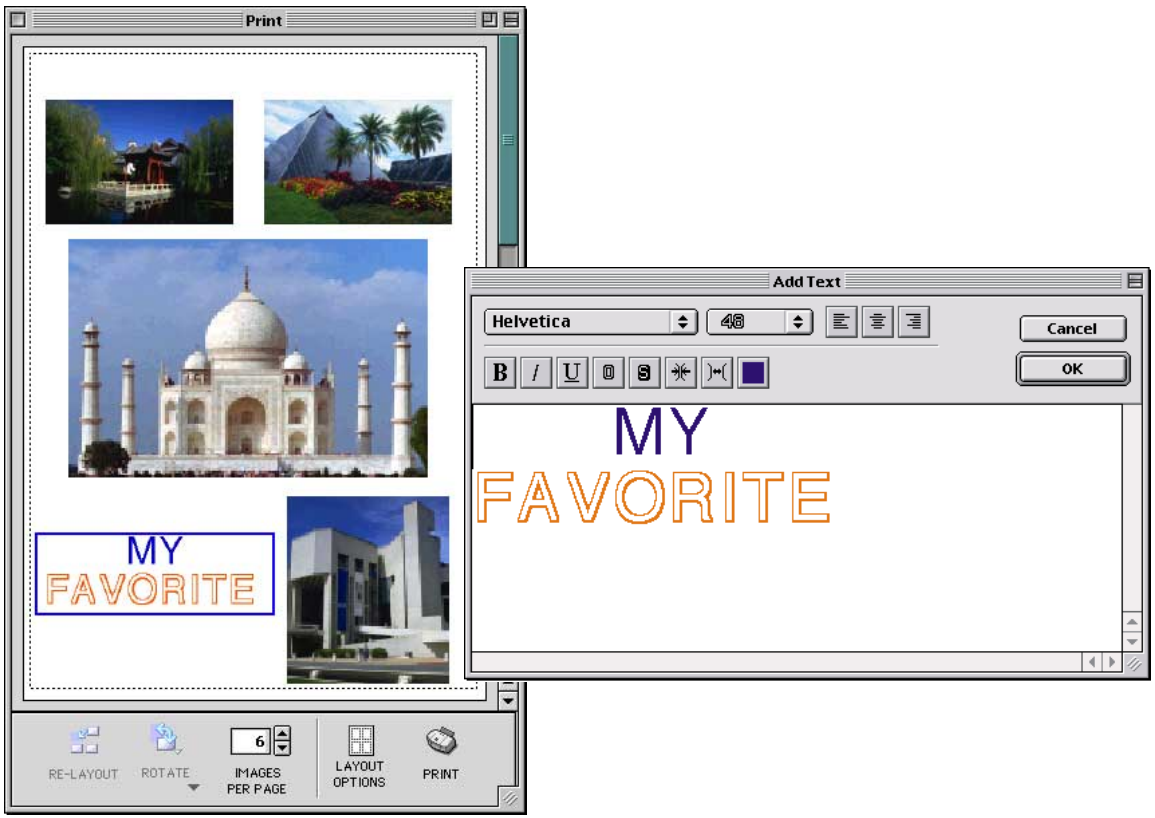
Select a layout you want to use and specify the type, orientation, and size of paper.
The wizard allows you to easily choose the free layout option, the image index (list) format, or the perforated paper.



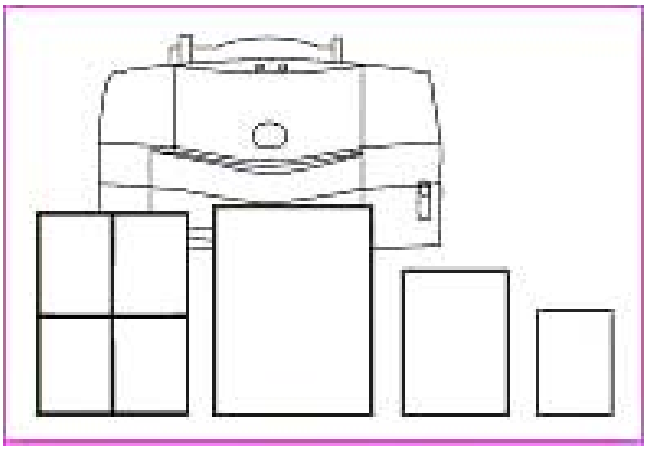
* The windows shown above are from BJ S330.

4 Page Artwork

Changing the image size, trimming, and inserting of text are also easy tasks. Remember, however, you can rearrange the images or change the image size only when you have selected the Custom layout printing option.



5 Printing



The images can be printed on Canon perforated paper (such as Photo Paper Pro <PR-101S> or Glossy Photo Cards <FM-101>). Borderless printing is also supported.

* Some features and paper sizes may not be supported depending on the models of printers.

What are Canon Utilities?

Canon Utilities are application software included in the “BJ Solution Disk” or “Setup & User’s Guide” in the CD-ROM, which is supplied with Canon BJ series printers. These utilities enable you to display, save (import) to hard disk, edit, print the images captured by digital cameras or scanners.

• ImageBrowser

ImageBrowser allows you to display a list of thumbnails (images stored in the internal memory card), import them to your computer, and print them in photo-quality using the BJ printer. With ImageBrowser, you can easily display, edit, and manage images stored in your computer’s hard disk as well.

• PhotoStitch

PhotoStitch is an utility program for image merging and allows you to quickly create panoramic photos by merging multiple images captured with your digital camera.

With PhotoStitch, you can merge any number of images vertically or horizontally, producing unique posters or other photo-prints.The wide-mode merging feature is also useful when you want to create a wide panoramic photo of a building or straight-lined object with straight lines as natural as the original.

Starting ImageBrowser

ImageBrowser automatically starts through its automatic execution feature. You can also start ImageBrowser by double-clicking its icon in the same way as you would for other applications.

ImageBrowser supports the following image file types:

Joint Photographic Experts Group (JPEG)	CIFF
Tagged Image File Format (TIFF)	PICT
EXIF	Windows Bitmap (BMP)

Automatic execution by the Automation wizard

ImageBrowser automatically starts when it detects a digital camera connected to your computer. At the same time, the Automation wizard starts.

The digital camera is detected.



Importing Images with the Automation Wizard

Note ➤ The Canon ImageBrowser Auto Launch control panel allows you to specify whether ImageBrowser automatically starts or not when the digital camera is detected. When this option is not selected, ImageBrowser will not automatically launch even if the digital camera is detected.

Starting ImageBrowser manually

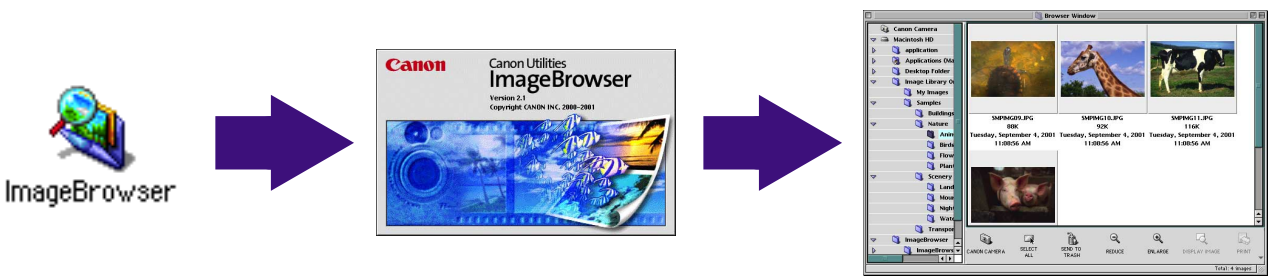
As with other applications, ImageBrowser can be started by double-clicking its icon.

When you install ImageBrowser onto you computer, you can select the option to create the Canon ImageBrowser icon (alias) on the desktop.



Canon ImageBrowser on the desktop

Double-clicking the Canon ImageBrowser icon (alias) on the desktop will start ImageBrowser, and the initial window is displayed as shown below. Then the Browser Window appears.



When the Canon ImageBrowser alias icon is not displayed on the desktop, open the ImageBrowser folder, in which the ImageBrowser program has been installed, and double-click the ImageBrowser icon in the folder to launch.

Refer to Using the Browser Window for more information on this window.

Using ImageBrowser

This section provides an overview of ImageBrowser and its functions.

- Using the Browser Window
- Changing the Appearance of the Browser Area
- Organizing Images
- Editing Image Using Image Viewer
- Slide Show
- Time Tunnel
- Adding Sound to Image
- Creating Image Files Attached to E-mail
- Creating Panoramic Photo Using PhotoStitch
- Opening Image Selected in the Browser Area from Other Applications

Using the Browser Window

This section describes the names and functions of the areas and buttons in the Browser Window, the main window of ImageBrowser.



(1) Explorer View

(2) Browser area

(3) Control panel

(4) CANON CAMERA button

(5) SELECT ALL button

(6) The number of images contained in the folder is displayed.

(7) Thumbnails

(1) Explorer View

This view presents the names of your hard drives and the folders contained in the hard drives. When your Canon digital camera is connected, double-click the Canon Camera icon to open the Camera Window, where the images stored in your digital camera are displayed.

(2) Browser area

The Browser area presents the images in thumbnail format contained in the folder currently selected in the Explorer View.
The View menu allows you to change display settings such as the size of thumbnails, the items displayed, and the display mode.
Refer to Changing the Appearance of the Browser Area.

(3) Control panel

This area contains several buttons to manipulate the images in the Browser Window.

(4) CANON CAMERA button

Click this button to access your Canon digital camera connected to your computer, and download the images in the camera to display in the Camera Window.
Refer to Using the Camera Window.

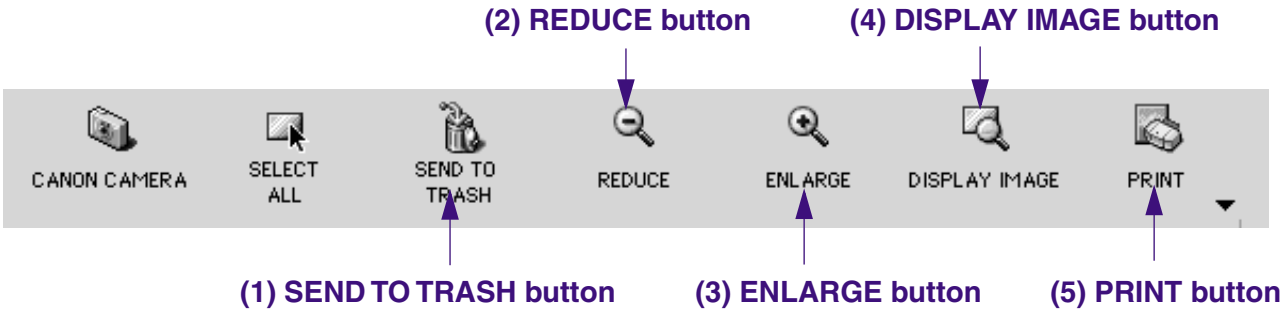
(5) SELECT ALL button

Clicking this button selects all images in the Browser area.

(6) The number of images contained in the folder is displayed.

(7) Thumbnails

Thumbnails are reduced images contained in the selected folder in the Explorer View. Click a thumbnail to select its associated image.
To select multiple images, click each thumbnail while pressing the Shift key.



(1) SEND TO TRASH button

Click this button to delete the selected images (image files) in the Browser area.

(2) REDUCE button

Click this button to reduce the size of thumbnails displayed in the Browser area. You can also use the **Reduce** and **Enlarge** commands in the **View** menu to change the size of thumbnails displayed in the Browser area.

(3) ENLARGE button

Click this button to increase the size of thumbnails displayed in the Browser area. You can also use the **Reduce** and **Enlarge** commands in the **View** menu to change the size of thumbnails displayed in the Browser area.

(4) DISPLAY IMAGE button

Click this button to display the selected image (thumbnail) in the Image viewer.
Refer to Editing Image Using Image Viewer.

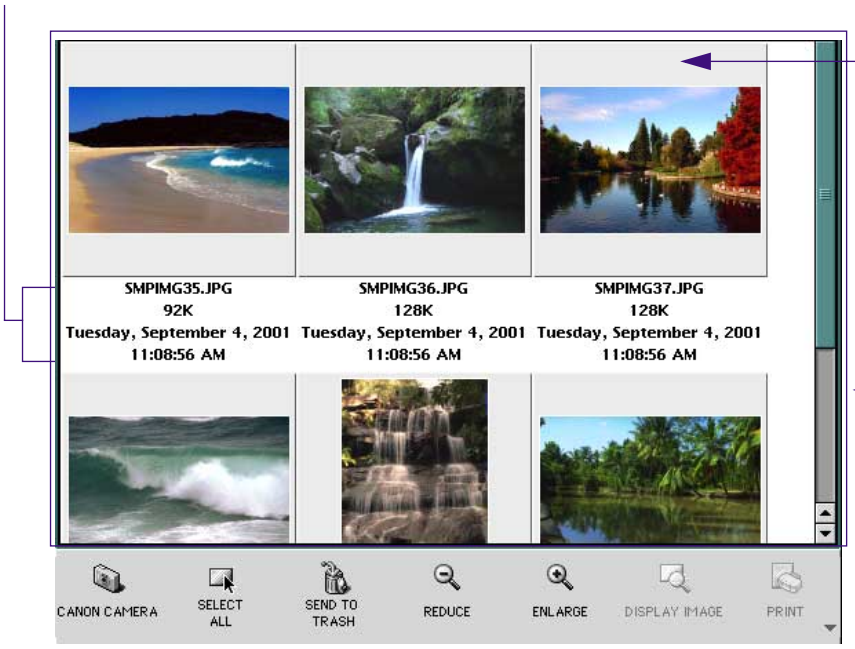
(5) PRINT button

Clicking this button opens the submenu from which you can select either the **Layout printing** or **Index printing**. Refer to Printing.

Changing the Appearance of the Browser Area

The Browser area of ImageBrowser presents the images and their associated information contained in the selected folder in the Explorer View.

The information on the image appears.
The display format can be changed. Refer to Changing Display Options.

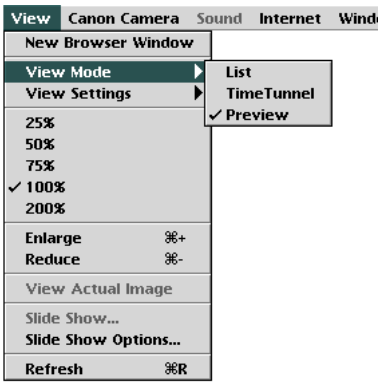


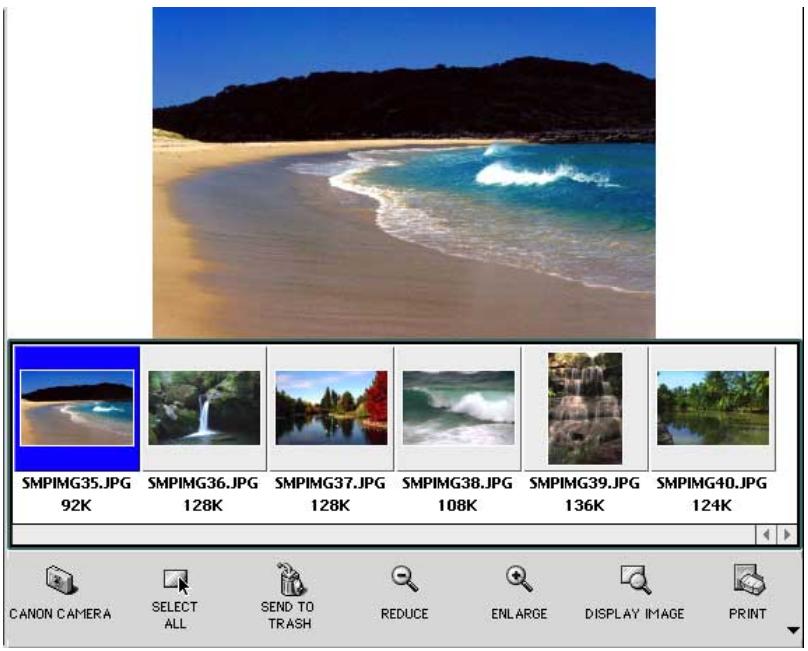
Thumbnail
The size can be changed.

Browser area
The display format can be changed.
Refer to Switching to the Preview Display.

Switching to the Preview Display

The selected image can be previewed. In this mode, the image is sized and displayed so that it fits in the Browser area.





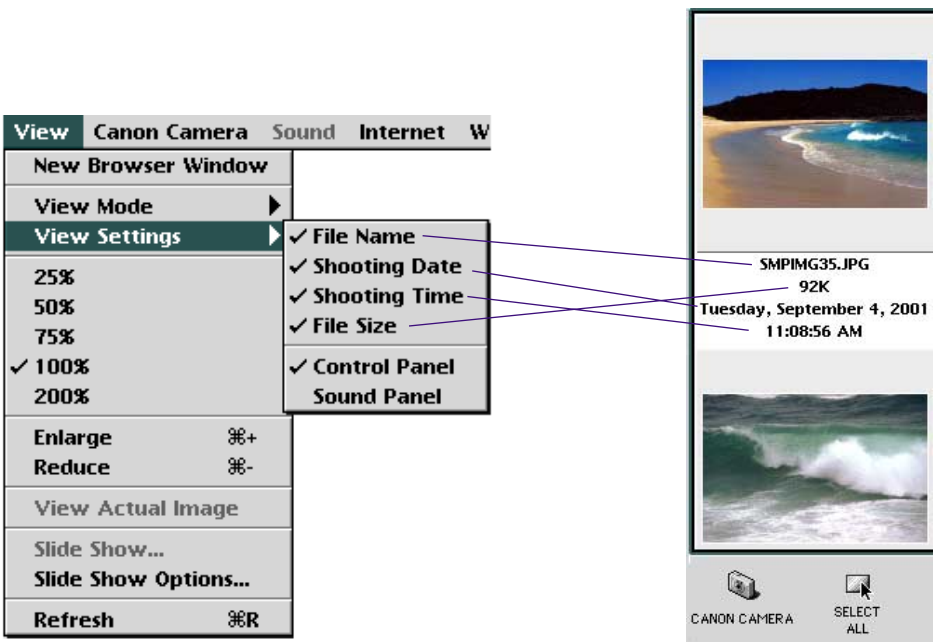
Select the **View Mode** from the **View** menu, and then select the **Preview** from the submenu that appears. The mode switches to the preview display mode.

Select the **List** from the submenu to return to the list mode.

Changing Display Options

You can control what information about an image is displayed below the thumbnail.

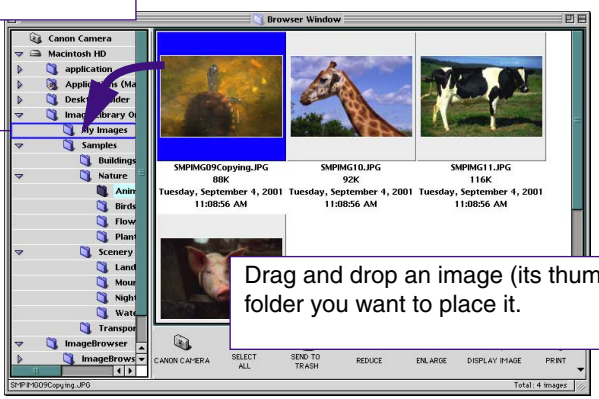
Select the **View Settings** from the **View** menu, and then select the information you want to display from the submenu that appears.



Changing the Location of Images

To place an image to a different folder, simply drag and drop it (its thumbnail) in the Browser area onto another folder in the Explorer View.

You can copy an image to a different folder by dragging it while pressing the Option key.



The folder where the selected image is stored.

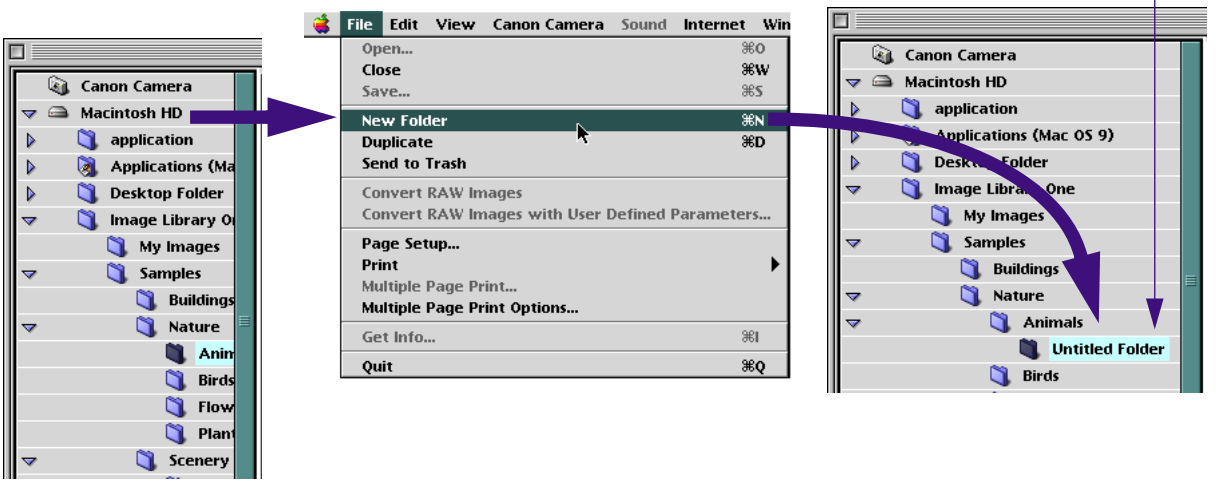
Drag and drop an image (its thumbnail) onto the folder you want to place it.

The figure below shows the steps to create a new folder.

(1) Select the folder in which you want to create a new folder.

(2) Select the **New Folder** from the **File** menu.

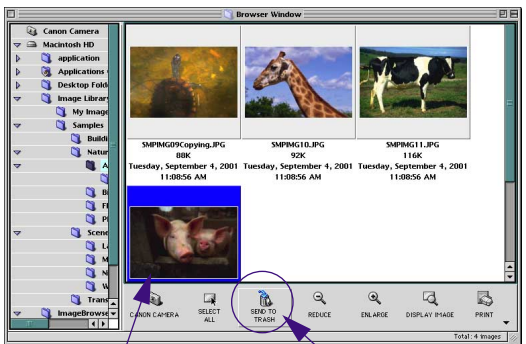
An untitled folder is created and its name can be entered.



To move a folder to a different location in the Explorer View, drag and drop it onto another folder. You can copy a folder to a different location by dragging it while pressing the Option key.

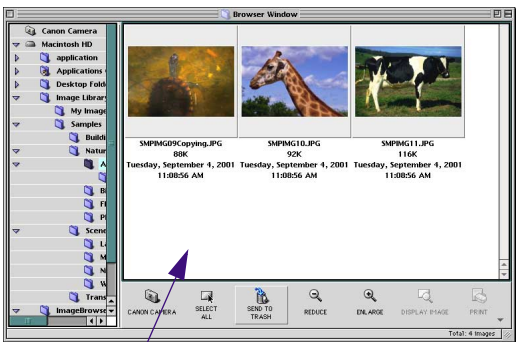
Deleting Image

To delete an image, select its thumbnail in the Browser area and click the **SEND TO TRASH** button.
To delete a folder, select the folder in the Explorer View and click the **SEND TO TRASH** button.



(1) Select the image you want to delete.

(2) Click the **SEND TO TRASH** button.



(3) The selected image is deleted.

Note ➤ When you delete an image that has not been imported but is just displayed in the Browser area, the image is deleted from the memory card of the camera.
Even if you delete an image by clicking the **SEND TO TRASH** button, it is just moved to the Trash. To completely delete the image files contained in the Trash, select **Empty Trash** from the **Special** menu in the Finder.

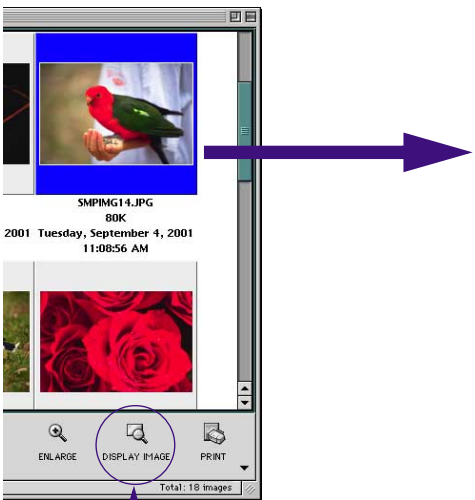
Updating Information in the Browser Area

When you create a new folder, or move, copy or delete an existing folder in the Finder, these changes are not reflected immediately in ImageBrowser. In cases where you have managed files or folders in the Finder or other applications, select the **Refresh** from the **View** menu to update the contents of the Browser area.

Editing Image Using Image Viewer

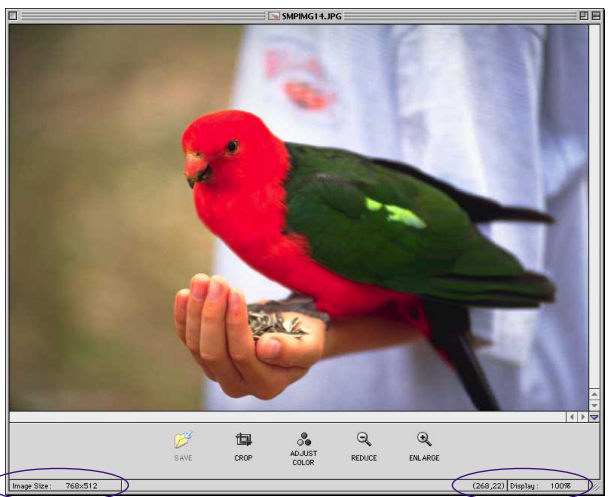
To display an image in the Image viewer, click its thumbnail in the Browser area to select it and click the **DISPLAY IMAGE** button to run the Image viewer.

Use the **ENLARGE** button or the **REDUCE** button to magnify or reduce the size of the image.



DISPLAY IMAGE button
Click this button to invoke the Image viewer.

The Image viewer is also invoked by double-clicking an image (thumbnail) in the Browser area. You can perform such actions as image cropping, color adjustment, and saving of modified images.

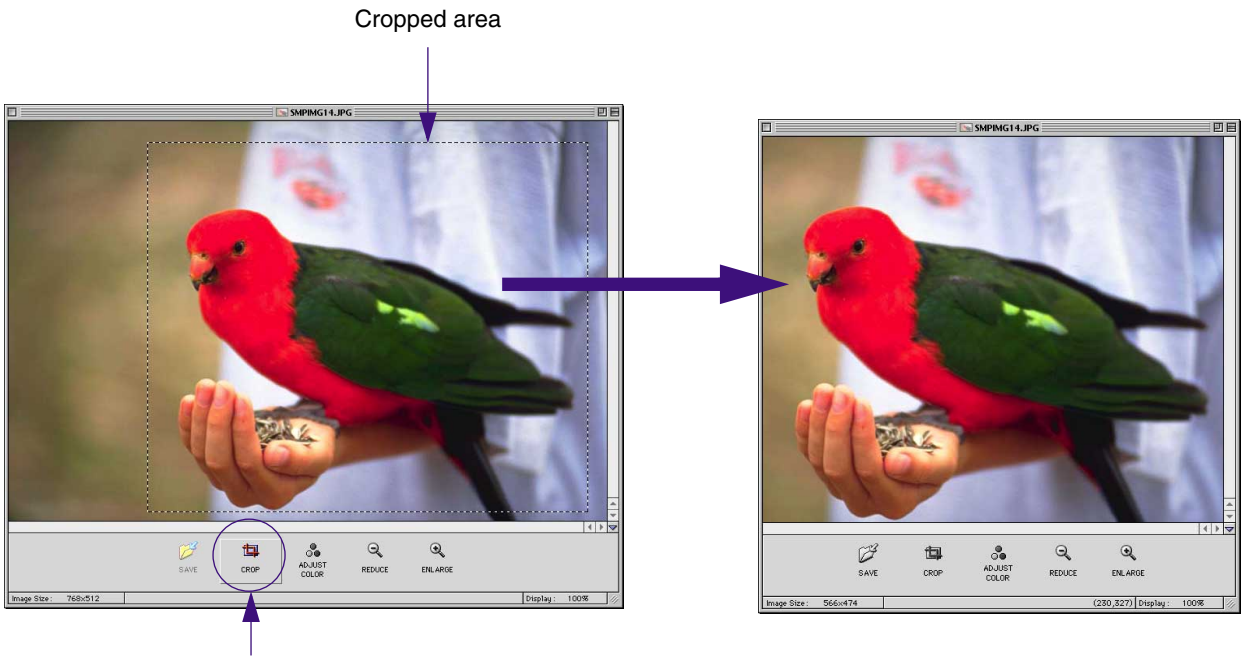


The size of the image is displayed.

The display scale of the image appears.

Cropping Image

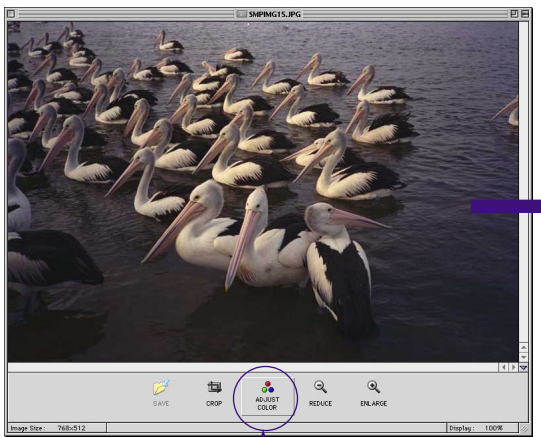
Select the portion of the image you want to keep by mouse-dragging over it, and then click the **CROP** button. Area outside the selection is trimmed away.



CROP button
Clicking this button will trim the area outside the selection.

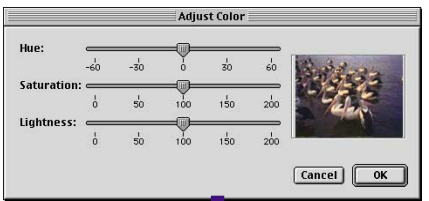
Adjusting Image Colors

You can change the hue, saturation, and lightness of the image displayed in the Image viewer. Clicking the **ADJUST COLOR** button opens the **Adjust Color** dialog box, which allows you to make color adjustments.



ADJUST COLOR button
Click this button to open the **Adjust Color** dialog box.

The **Hue**, **Saturation**, and **Lightness** are adjustable.



Click the **OK** button to make the changes take effect.

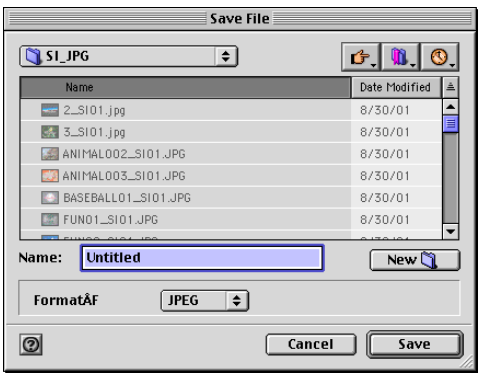


Saving Image after Processing

The modified image file can be saved with a new name.



SAVE button
Clicking this button opens the **Save File** window.



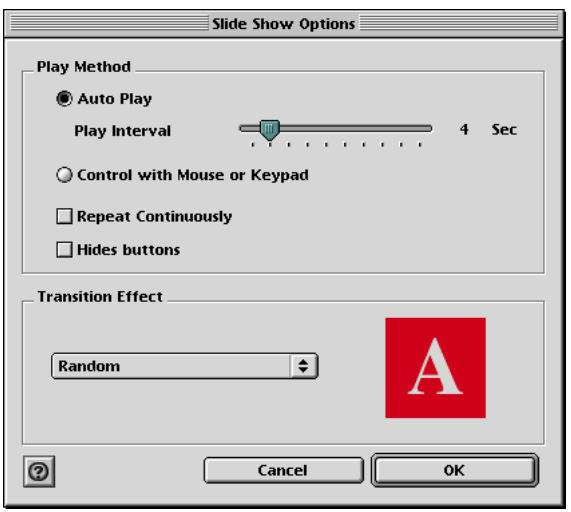
Type in a file name and specify the file type, and click the **Save** button. The image is saved as a new file.

Slide Show

You can review sequentially the selected images in the Browser area as a slide show in full screen mode.

Steps

1. Choose the **Slide Show Options** from the **View** menu.
   The window containing options for a slide show opens.



2 Specify the playing mode and options for slide show.

The window allows you to specify the following options:

Auto Play: When you select this option, specify the interval of image switching with the slider.

Repeat Continuously: When this radio button is selected, the slide show is repeated endlessly, working as a screen saver. Press the ESC key to exit the slide show.

3 Specify effects for slide show.

Click the  button to choose from the following effects:

Random: Images are randomly selected and arranged to be displayed on the screen.

Fade: The current image fades out to be replaced with the next image.

Slide: The current image is replaced with the next image sliding from the specified side.

Push: The current image is pushed away in the specified direction to be replaced with the next image.

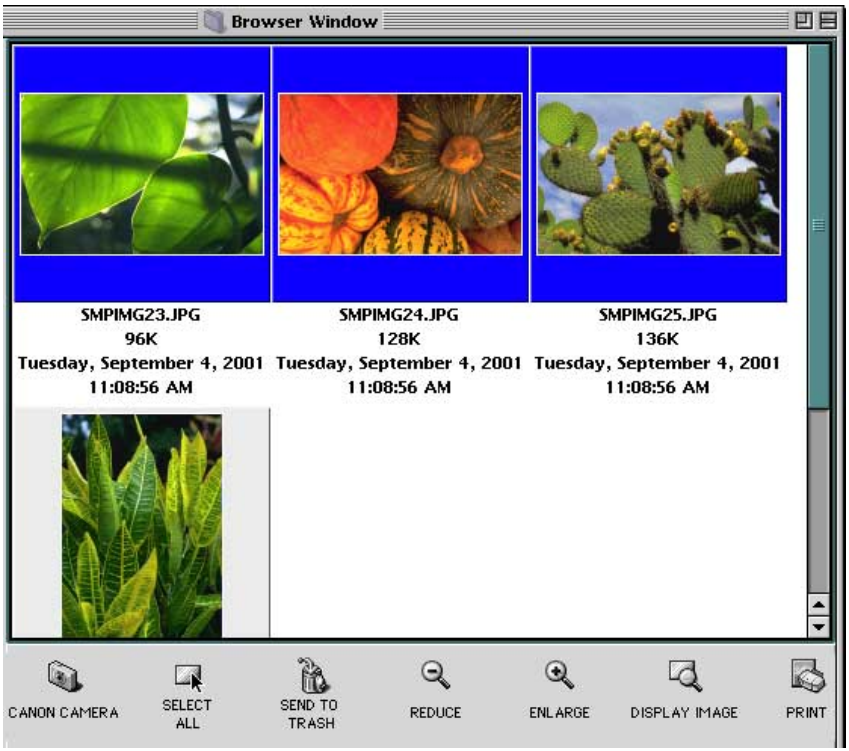
Wipe: The current image is overwritten by the next image from the specified side.

Zigzag: The current image is overwritten by the next image from the specified side with a zigzag-shape boundary.

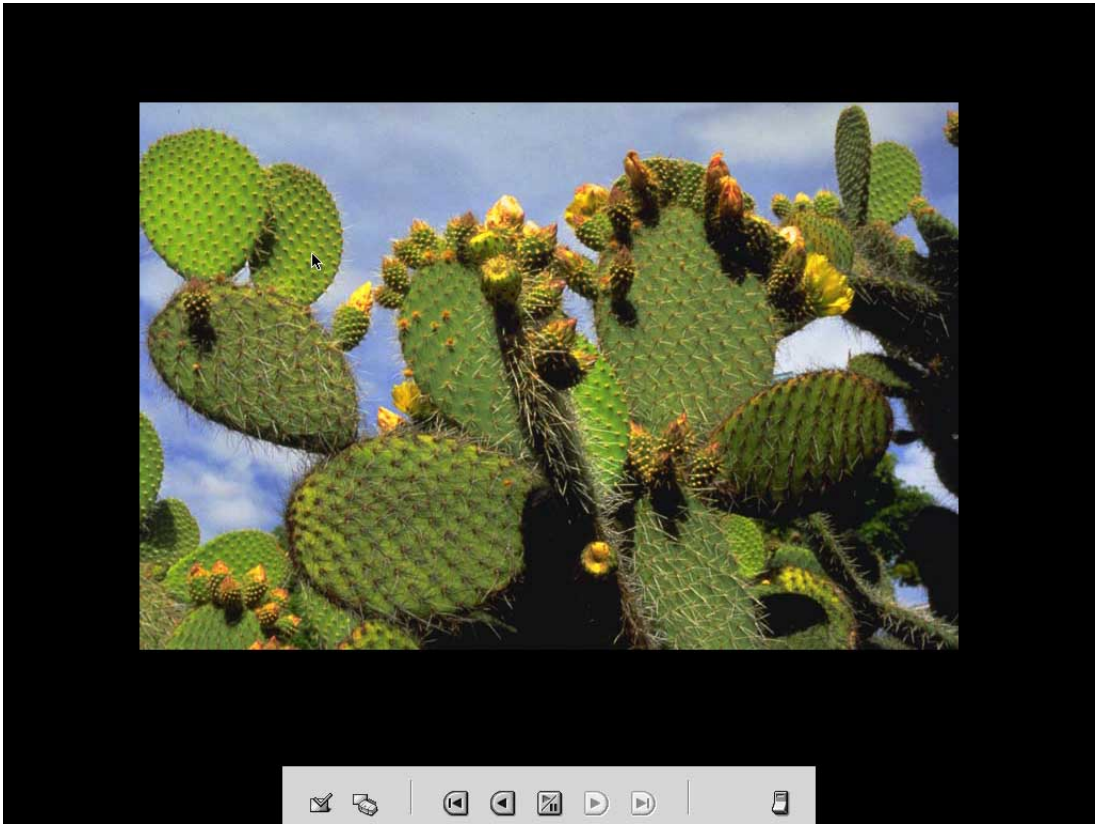
4 Click the **OK** button.

The window for the slide show options closes to return to the Browser Window.

5 Select images in the Browser area you want to display as a slide show.



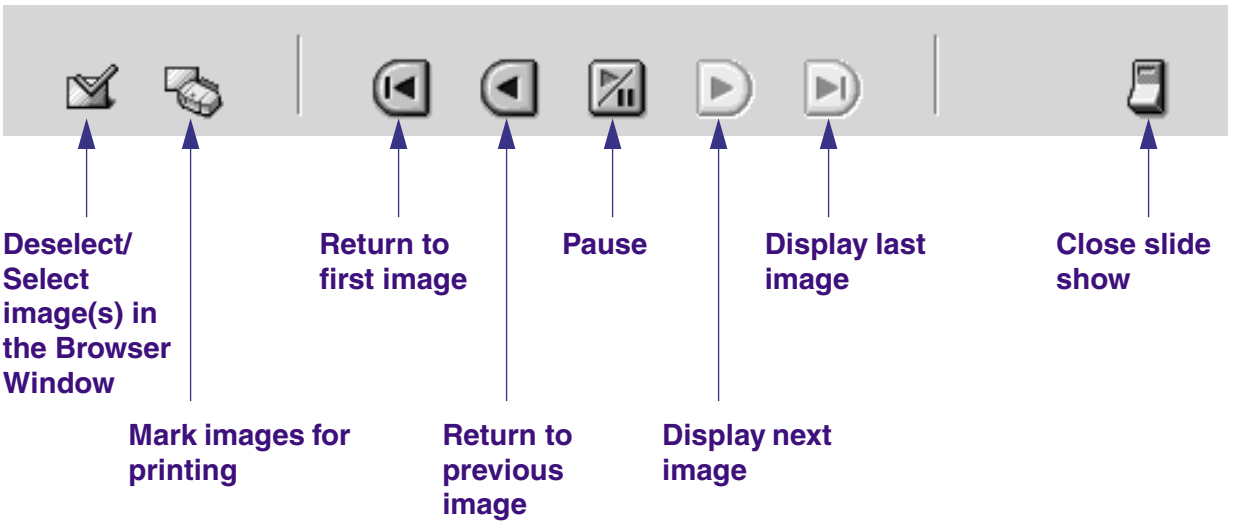
6 Select the **Slide Show** from the **View** menu.
The selected images are sequentially displayed in full screen mode.



The slide show terminates when the last image has been processed.

Slide show navigation buttons

The following buttons are displayed when you invoke the slide show function.



Deselect/Select image(s) in the Browser Window

Clicking this button will deselect the current image (selected in the Browser area). Click again to select the same image.

Mark images for printing

If you want to print the current image, click this button while it is being displayed. When the slide show ends, the program automatically proceeds to the layout printing. Click again to disable the printing of the image.

Return to first image

Click this button to go back to the first image.

Return to previous image

Click this button to return to the previous image.

Pause

During the auto play, click this button to suspend the slide show.
Click again to resume the slide show.

Display next image

The next image is displayed.

Display last image

The last image is displayed.

Close slide show

Exits the slide show.

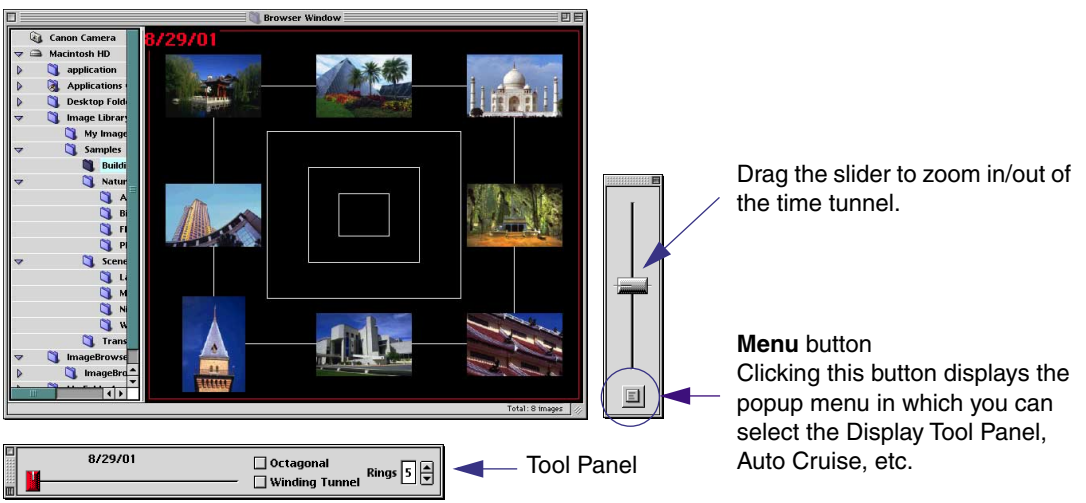
Note that these buttons will not be displayed when the **Hides buttons** check box in the **Slide Show Options** dialog box is checked.

Time Tunnel

When you select the **View Mode**, then **Time Tunnel** from the **View** menu, the Browser area changes to the Time Tunnel display mode. In this mode, the images contained in the selected folder appear in the Browser area as if you were in front of the entrance to a time tunnel. Images are allocated to the walls in order of creation date.

Drag the slider in the floating pallet displayed to the right of the Time Tunnel window to show older or newer images. The Tool Pallet allows you to change the appearance of the Time Tunnel window.

When you select a different folder in the Explorer View, the images in that folder are shown in the Time Tunnel window.



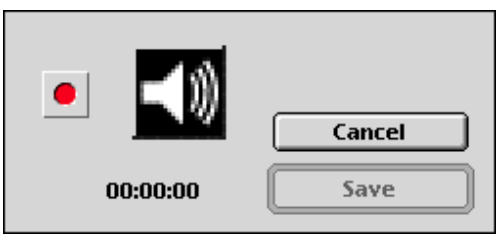
To return to the standard Browser area mode, select the **List** item from the submenu that appears when you point to the **View Mode** command in the **View** menu.

Adding Sound to Image

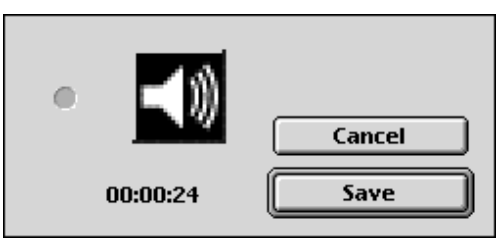
ImageBrowser enables you to add sound (audio data) to an image file. The sound input device selected in the **Sound Panel** is used for recording.

Steps for Recording

1. Select the image to which you want to add sound.
2. Select the **Record** from the **Sound** menu.
   The **Record** panel is displayed over the Browser Window.

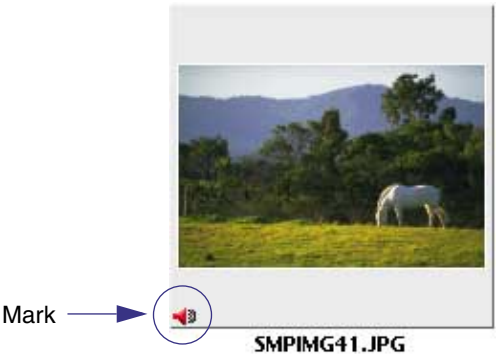


3. Click the **Record** button to start recording. The **Record** panel during recording is as shown below.



4 To finish recording and save the sound data, click the **Save** button.

The recorded sound data is saved as a sound file. A mark appears in the bottom left corner of the selected image (thumbnail), indicating that sound data is attached to that image file.



The created sound file is stored in the same folder as the image file.

Steps for Playing

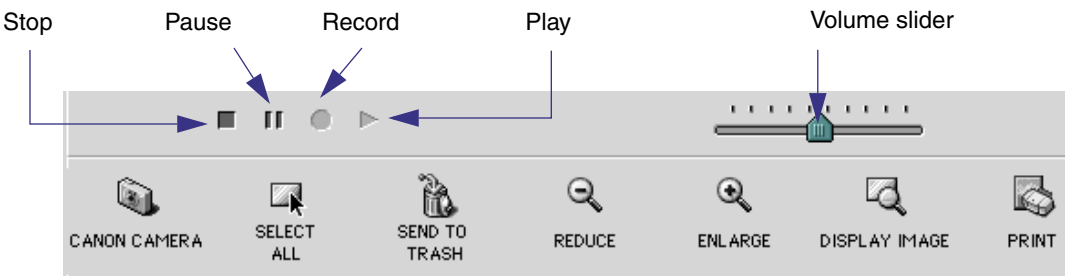
1 Select the thumbnail that has a sound mark in the bottom left corner.

2 Select the **Play** from the **Sound** menu.

Sound Panel

When you select the **Sound Panel** from the **View Settings** submenu in the **View** menu, the Sound Panel is displayed.

The buttons on the Sound Panel provide convenient access to the commands in the **Sound** menu.



Creating Image Files Attached to E-mail

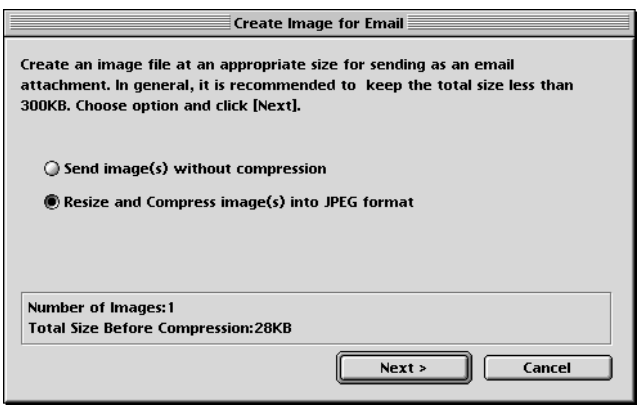
ImageBrowser allows you to quickly edit the image selected in the Browser area and attach them to E-mail using the wizard.

1. Select the image you want to attach to your E-mail in the Browser area. Choose the **Create image for Email** command from the **Internet** menu to open the **Create image for Email** dialog box. At the same time, the wizard starts.

   Select the **Resize and Compress image(s) into JPEG format** option.

   If you select the **Send image(s) without compression** option, the image data will be sent with your message as it is (not compressed).

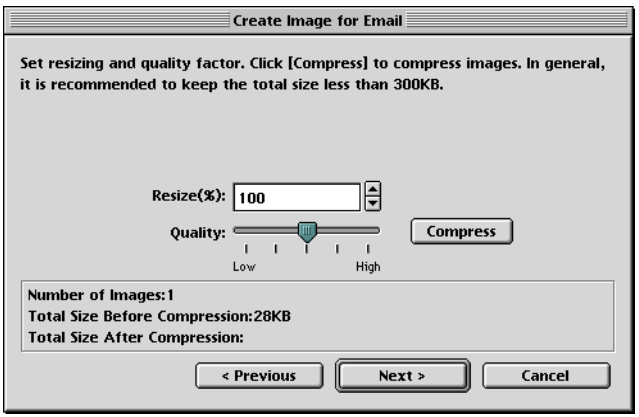
   Click the **Next** button.



2 In the next wizard dialog box, specify the Resize rate and the quality of JPEG data.

When you click the **Compress** button, the calculated file size after compression is displayed at the bottom of the dialog box.

Click the **Next** button.

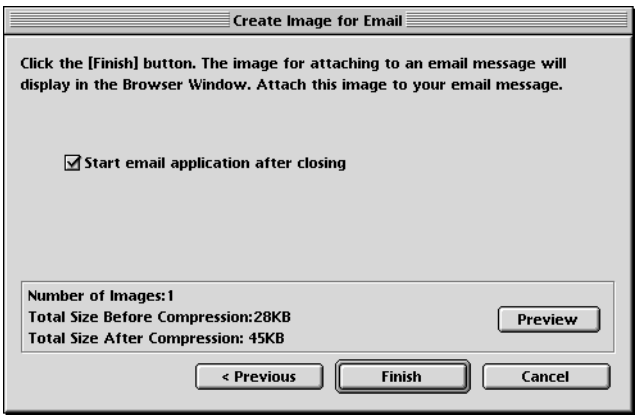


3 In this dialog box, specify the action after data compression.

If you select the **Start email application after closing** check box, your E-mail application will automatically start upon completion of data compression.

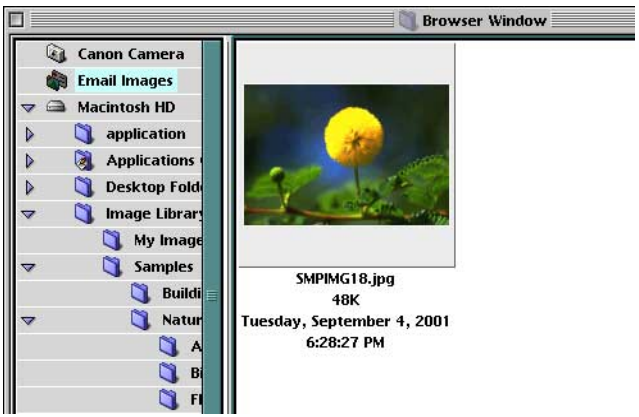
Click the **Preview** button to preview the image that has been compressed.

Click the **Finish** button.



4 A new folder called Email Images is created in which the compressed image is stored.

To attach the compressed image to your E-mail message, drag and drop the thumbnail in the Browser area onto your message in your E-mail application.



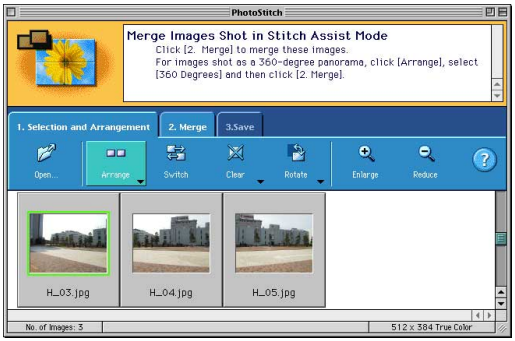
Creating Panoramic Photo Using PhotoStitch

PhotoStitch is an utility program for quickly creating a panoramic photo by merging multiple images captured with your digital camera.

1 Select multiple images (thumbnails) in the Browser area and select the **PhotoStitch** from the **Edit** menu.



2 PhotoStitch starts and loads the selected images.



With PhotoStitch, you can merge any number of images vertically or horizontally, producing unique posters or other photo-prints. The wide-mode merging feature is also useful when you want to create a wide panoramic photo of a building or straight-lined object with straight lines as natural as the original.

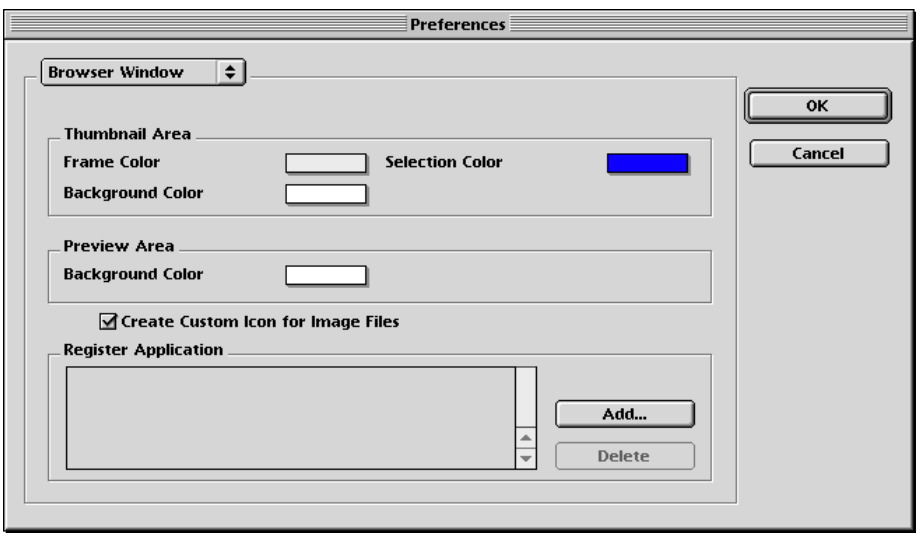


Opening Image Selected in the Browser Area from Other Applications

ImageBrowser allows you to register other application programs. You can start the registered application programs from ImageBrowser and open the images displayed in the Browser area using those programs.

Registering Application Programs

Open the **Preference** window by selecting the **Preference** from the **Edit** menu.



Click the **Add** button to the right of the **Register Application** list box. Select the application program you wish to register in the **Select File** dialog box that appears.

Click the **OK** button to complete the registration.

Starting a registered application program

To run a registered application program, select an image in the Browser area and then select the name of the application program from the **Start Application** submenu in the **Edit** menu. The specified application starts, and the selected image is loaded to the application.

Refer to the documentation of the invoked application program for more information about how to use it.

Importing Images

This section describes the functionality of ImageBrowser to import/download images from your digital camera.

- Importing Images with the Automation Wizard
- Importing Images Using the Camera Window
- Using the Camera Window
- Setting Up Your Canon Digital Camera

Importing Images with the Automation Wizard

The Automation wizard takes you through all the necessary actions from importing images to printing. The wizard is invoked when one of the following conditions is met:

When you turn on your Canon digital camera connected to your computer, while ImageBrowser is not running.	ImageBrowser starts and then the Automation wizard is invoked.
When you turn on your Canon digital camera connected to your computer, while ImageBrowser is running.	The Automation wizard starts.
When you turn on your digital camera, which is not manufactured by Canon, while ImageBrowser is running.	
When you insert the memory card into the memory card reader, while ImageBrowser is running.	

Note ➤ Some digital cameras may not be compatible with the automatic execution feature.

Automation wizard starts

When the Automation wizard starts, the following dialog box containing several options is displayed.



Select **Download images** if you prefer the automated image downloading with the Automated wizard. See Setting the Automation Wizard to Download Images.

When the Automation wizard shows the previous settings

Your settings in the **ImageBrowser Automation wizard** dialog box are saved. The next time the Automation wizard starts, the **ImageBrowser Automation wizard** dialog box shows the previous settings as shown below:





Click the **Start** button to use the saved sequence of actions.

If you do not want to use the saved action sequence, click the **Settings change** button to change the saved settings.

Click the **Cancel** button to exit the Automation wizard and return to the Browser Window.

Setting the Automation Wizard to Download Images

Follow the steps below to download the images stored in the device connected to your computer with the Automation wizard.

Steps

1 Select the **Download Images** option in the **ImageBrowser Automation wizard** dialog box.

The **Change** button becomes active.



The downloaded images are saved to the folder displayed here. To change the destination folder, click the **Change** button and select a destination folder.

2 Click the **Next** button to proceed.

The dialog box shows the following options:



Download all images
Select this option to download all the images.
Download images marked for printing
Select this option to download only the images selected for printing (DPOF).
Download images marked for transferring
Select this option to download only the images selected for attaching to your E-mail.

3 Select a category of images to download with the Automation wizard.

Refer to the documentation of your Canon camera for more information on how to select an image depending on its use (for printing or E-mail attachment).

4 Click the **OK** button.

The Automation wizard starts downloading the selected images and saving them in the selected folder.

When downloading is complete, the following message appears:



Select the next action to do on the downloaded images from the following options:

Option	Action
Display slide show	Select this option to view the downloaded images as a slide show.
Launch the Print window	Select this option to perform custom layout printing (all images are automatically selected and printed).
Print with Index printing	Select this option to perform index printing (all images are automatically selected and printed).

Create image for Email	Select this option to open the **Create Image for Email** dialog box (all images are automatically selected). Refer to Creating Image Files Attached to E-mail for more information.

5 Click the **OK** button.

The Automation wizard terminates and the selected action is performed.

If you click the **Cancel** button, the Automation wizard terminates to return to the Browser Window with no action performed.

When the Automation wizard terminates, it saves the selected settings so that the **ImageBrowser Automation wizard** dialog box shows the settings the next time the wizard starts.

Importing Images Using the Camera Window

The Camera Window is invoked when one of the following conditions is met:

Condition	Data displayed in the Camera Window
When you select the **Display Images** option in the Automation wizard.	All the images stored in your device that can be recognized by the Automation wizard, such as a digital camera or a memory card.
When you double-click the DCIM icon in the Explorer View.	All the images stored in the DCIM folder in the memory card or the smart media. *The folder name, DCIM, may be different depending on the type of data stored in the memory card used or the hard drive connected. For example, the folder name may be DC97 or PWSHOTO.
When you click the **CANON CAMERA** button.	The images stored in your Canon digital camera connected to your computer.
When you click the Canon Camera icon in the Explorer View.	

This section describes how to import or download the images to ImageBrowser using the Camera Window.

Note ➤

- Ensure that adaptors for the memory card reader or the memory card are installed correctly on your computer before importing image data saved in the memory card.
- Your Canon digital camera must be connected correctly to your computer to open the Camera Window using the **CANON CAMERA** button or the Canon Camera icon.

Steps to import images using the Camera Window

1 The images in the device are displayed in the Camera Window (in thumbnail format).



Refer to Using the Camera Window for more information on this window.

2 Select the folder where to save the images in the Explorer View.

Refer to Changing the Location of Images for more information on dealing with folders, including creating a new folder.

3 Return to the Camera Window and click each image you want to import.

When you click an image (thumbnail), its background color changes to blue, indicating it has been selected.

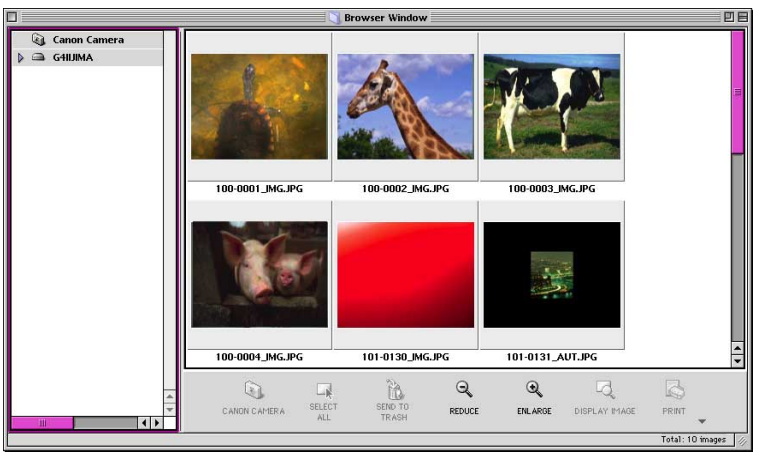


You can select multiple images by clicking desired thumbnails while pressing the Shift key.



4 Click the **DOWNLOAD** button in the Camera Window.

The selected image(s) is imported to your computer and displayed in the Browser area.



5 Click the close box at the upper left corner of the window.

Repeat Steps 3 and 4 above to import other images.

Using the Camera Window

The Camera Window shows the images saved in the device connected to your computer.

You can display the information on each image in the device, as well as import or print these images using the Camera Window.

Click an image (thumbnail) to select it. The border is displayed around the selected image. You can select multiple images by clicking each image while pressing the Shift key.

Images (thumbnails) in the memory card are displayed.

Thumbnails
The thumbnails of the images in the memory card are displayed. When you click a thumbnail, its background color changes.



(1) SETUP OPTIONS button

(2) CONNECT CAMERA button

(3) SELECT button

(4) DELETE button

(5) DOWNLOAD button

(6) PRINT button

(7) ROTATE button

(8) UPLOAD button

(9) IMAGE INFO button

(10) SLIDE/DPOF button

(1) SETUP OPTIONS button

When the **SETUP OPTIONS** button is selected, a menu is displayed.

Items in the menu	Features
Camera Settings	Selecting this item displays a dialog box, which shows the information on the connected camera such as owner's name and date. The information in this dialog box can be modified.
Communication Settings	Selecting this item displays a dialog box, which shows the settings of the connected camera such as the communication port the camera uses. The settings can be modified.

Note ➤ This button is available only when the connected device is a Canon digital camera.

(2) CONNECT CAMERA button

To re-establish the connection between the device and the computer and download the images in the device again, click the **CONNECT CAMERA** button.

Note ➤ This button is available only when the connected device is a Canon digital camera.

(3) SELECT button

Click the **SELECT** button to open a menu containing two items **Select All** and **Deselect All**. Click **Select All** to select all the images displayed in the Camera Window. Click **Deselect All** to deselect all the images displayed in the Camera Window.

(4) DELETE button

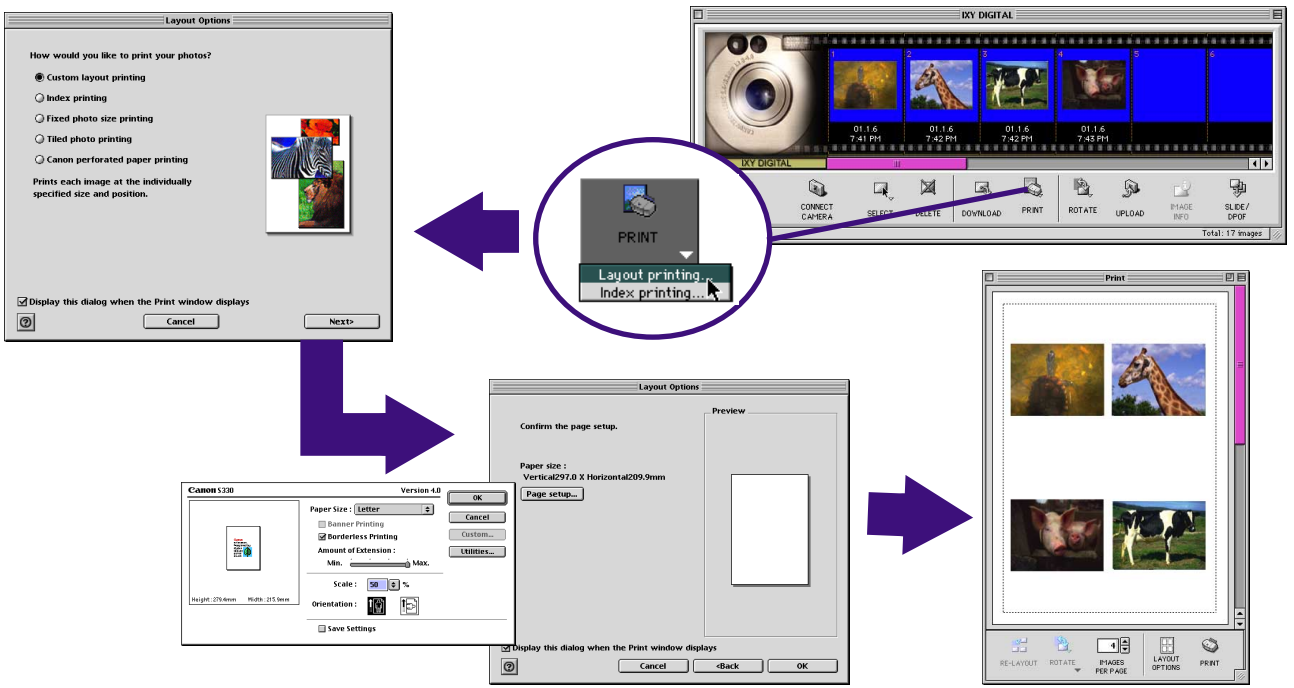
Click the **DELETE** button to delete the selected image from the device. When clicking this button, a warning message is displayed asking you to confirm the deletion.
Click the **OK** button to completely delete the image from the device. Click the **Cancel** button to cancel the deletion. The deleted image is not recoverable.

(5) DOWNLOAD button

Click the **DOWNLOAD** button to copy the selected image(s) to the folder selected in the Explorer View.
When you click an image(s) and click this button, downloading starts and at the same time a dialog box indicating the progress of downloading appears.

(6) PRINT button

Click the **PRINT** button to print the selected images. This button works the same as the **PRINT** button in the Browser Window. This button allows you to start custom layout printing or index printing directly from the device (images are not imported to your computer).



Refer to Printing for more information on the custom layout printing and index printing.

(7) ROTATE button

The **ROTATE** button allows you to rotate a thumbnail in the Camera Window. When you select a thumbnail and then click this button, a submenu appears.

Select **90 degrees right** to rotate the selected thumbnail 90 degrees clockwise.

Select **90 degrees left** to rotate the selected thumbnail 90 degrees counterclockwise.

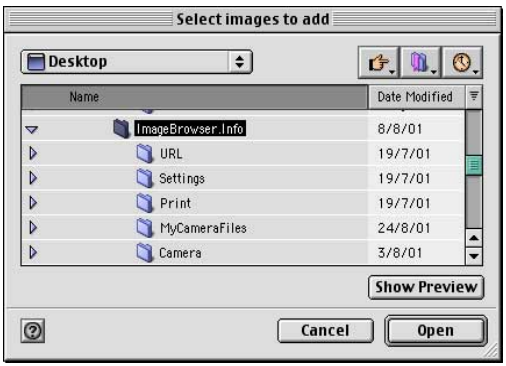
Select **180 degrees** to rotate the selected thumbnail 180 degrees.

These rotation options will rotate only the selected thumbnail displayed in the Camera Window (the original image stored in the device is not rotated). However, when you import the image of a rotated thumbnail, it is automatically rotated according to the rotation option and downloaded to the specified folder.

Note ➤ When you import the image of a rotated thumbnail, the original image (not rotated) is also downloaded in addition to the rotated image. To prevent the original image from being downloaded, select the **File Format** option from the pulldown menu at the upper left corner of the **Preferences** dialog box and then check the **Retain original when rotating JPEG images** check box. The **Preferences** dialog box is displayed by selecting **Preferences** from the **Edit** menu.

(8) UPLOAD button

Use this button to export or upload an image located in a folder on your computer to the device. Clicking this button displays the dialog box where you can select an image file.



When you select an image to upload in the dialog box, the following dialog box appears.



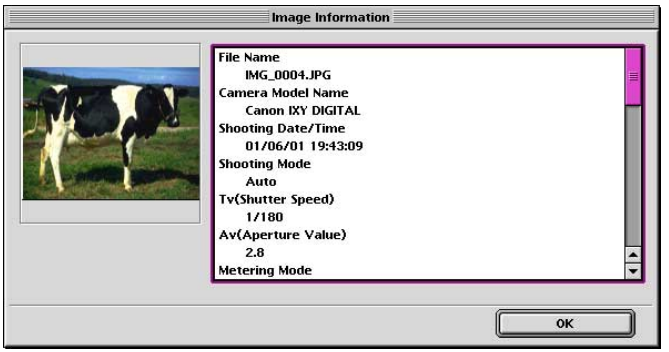
Specify uploading options such as image size and resizing options, and then click the **Save to Camera** button to start uploading the image to the device.

Note ➤ An image in the Browser area can be uploaded to the device by dragging and dropping it onto the thumbnail area of the Camera Window.

(9) IMAGE INFO button

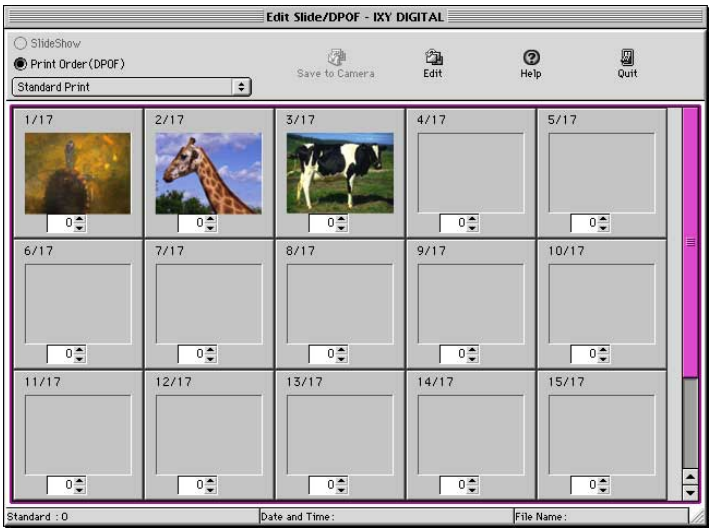
This button enables you to view the information on an image selected in the Camera Window.

Select an image in the Camera Window and then click the **IMAGE INFO** button. The following dialog box appears.



(10) SLIDE/DPOF button

Click the **SLIDE/DPOF** button to open the **Edit Slide/DPOF** window.



Using this window, you can modify the settings for slide shows or DPOF for your Canon Digital Camera and write the modified information to your camera.

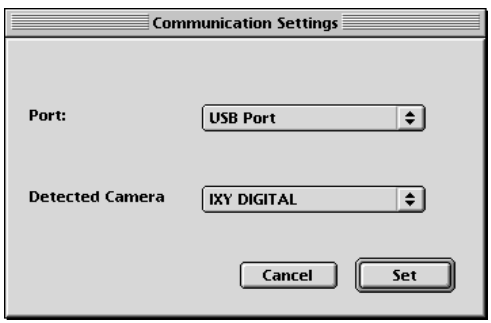
Note ➤ Only Canon digital cameras support the functions provided by this button.

Setting Up Your Canon Digital Camera

This section describes how to set up your Canon digital camera to connect to your computer. Only when your digital camera is communicating with your computer correctly, the Automation wizard is available. Double-clicking the Canon Camera icon in the Explorer View displays the Camera Window.

Communication Settings

Select the **Communication Settings** option from the **Settings** submenu in the **Canon Camera** menu to display the following dialog box.

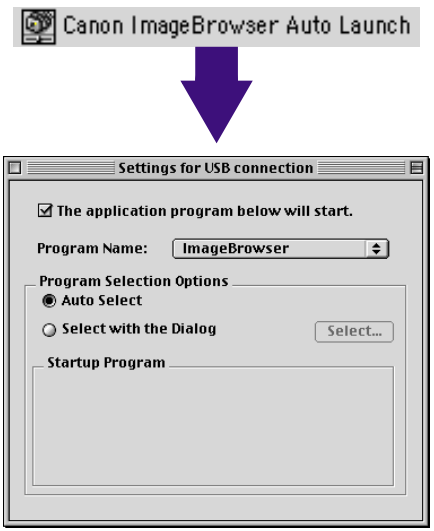


Note ➤ When setting up the communication between your computer and digital camera, ensure that the driver of your digital camera has been installed correctly and your digital camera has been connected to your computer. Also turn on your digital camera before starting the setup.
ImageBrowser may not recognize some digital camera models.

Canon ImageBrowser Auto Launch Control Panel

The Canon ImageBrowser Auto Launch control panel is installed onto the Control Panels folder at the time of ImageBrowser installation. This control panel allows you to specify the action when a Canon camera is detected.

1 Double-click the **Canon ImageBrowser Auto Launch** control panel located in the Control Panels folder. The **Settings for USB connection** dialog box appears.



To automatically start ImageBrowser and run the Automation wizard when a digital camera is detected, check **The application program below will start** check box and select the **ImageBrowser** option from the **Program Name** pulldown menu.

If the **Select with the Dialog** radio button is selected in the **Program Selection Options** group box, a dialog box that allows you to select an application program will open when a digital camera is detected.

2 Click the close box at the upper left-hand corner of the dialog box to close the **Canon ImageBrowser Auto Launch** control panel.

Printing

This section describes ImageBrowser's printing features.

These features can be accessed by displaying the Browser Window or the Camera Window and clicking the Print button.

- Custom Layout Printing
- Fixed Photo Size Printing
- Tiled Photo Printing (Borderless Printing)
- Canon Perforated Paper Printing
- About Canon Perforated Paper
- Starting Printing
- Index Printing

Custom Layout Printing

Selecting a Layout

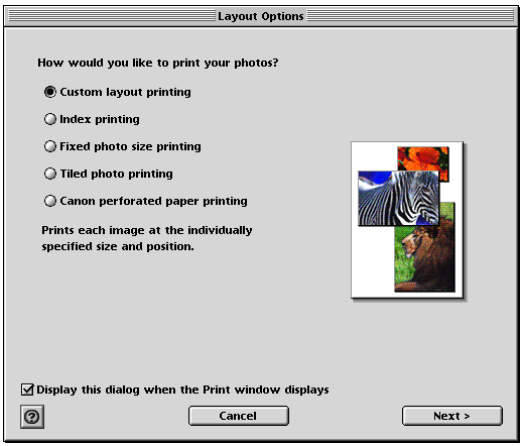
The layout selection wizard lets you quickly select a desired layout for printing.

Steps

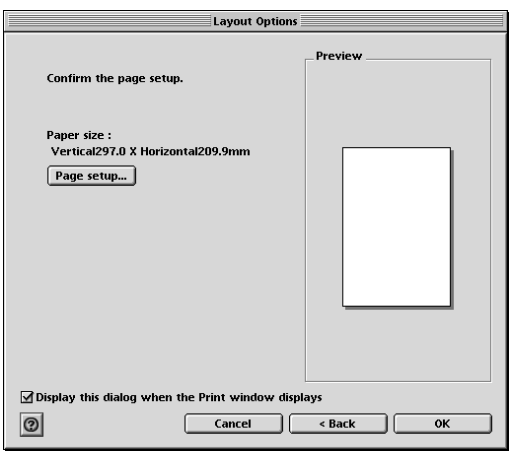
1. Select the image you want to print in the Browser area, and select **Layout printing** from the submenu that appears when clicking the **PRINT** button.



The **Layout Options** window appears and, at the same time, the layout selection wizard starts. Select the **Custom layout printing** radio button.

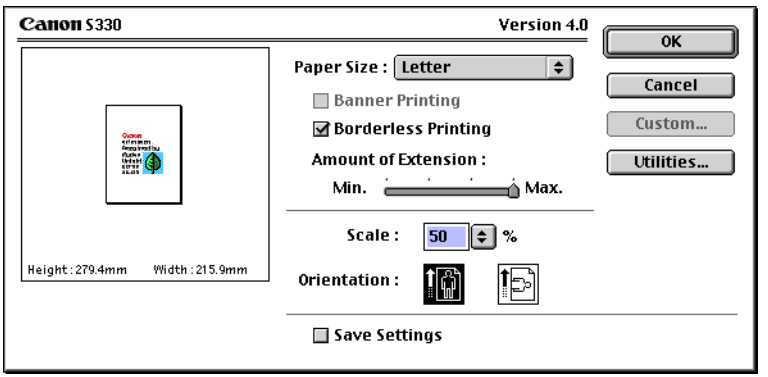


2 Click the **Next** button to proceed to the next page for page setup.



3 Click the **Page setup** button.

The Page Setup dialog box for the printer selected in the Chooser appears. Specify the paper size and orientation. Select the **Borderless Printing** check box to print images with no margins.

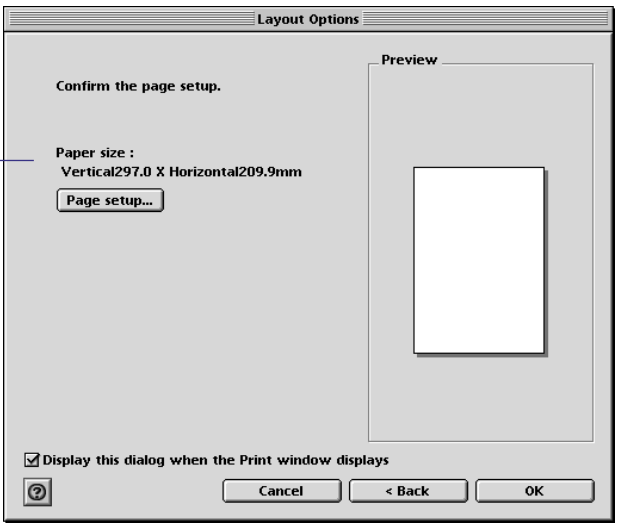


4 Click the **OK** button to complete the page setup.

The page size that you specified in the Page Setup dialog box is displayed under the **Paper size** label in the **Layout Options** window.

Note ➤ Note that the Page Setup and Print dialog boxes shown here are of BJ S330.

The size of paper you specified in the Page Setup dialog box is displayed here.



5 Click the **OK** button to exit the layout selection wizard.

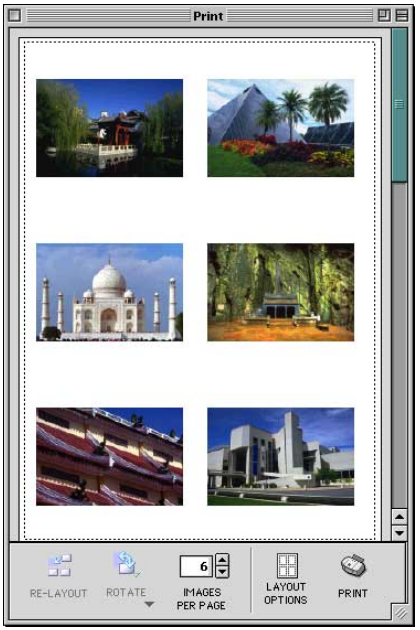
The **Print** window appears where the selected images are arranged so that they fit the page size you specified.

Page artwork

When the **Custom layout printing** option is selected, you can change the size and position of the images as well as perform image cropping.

Canon Perforated Paper Printing

Click the **PRINT** button to start printing.

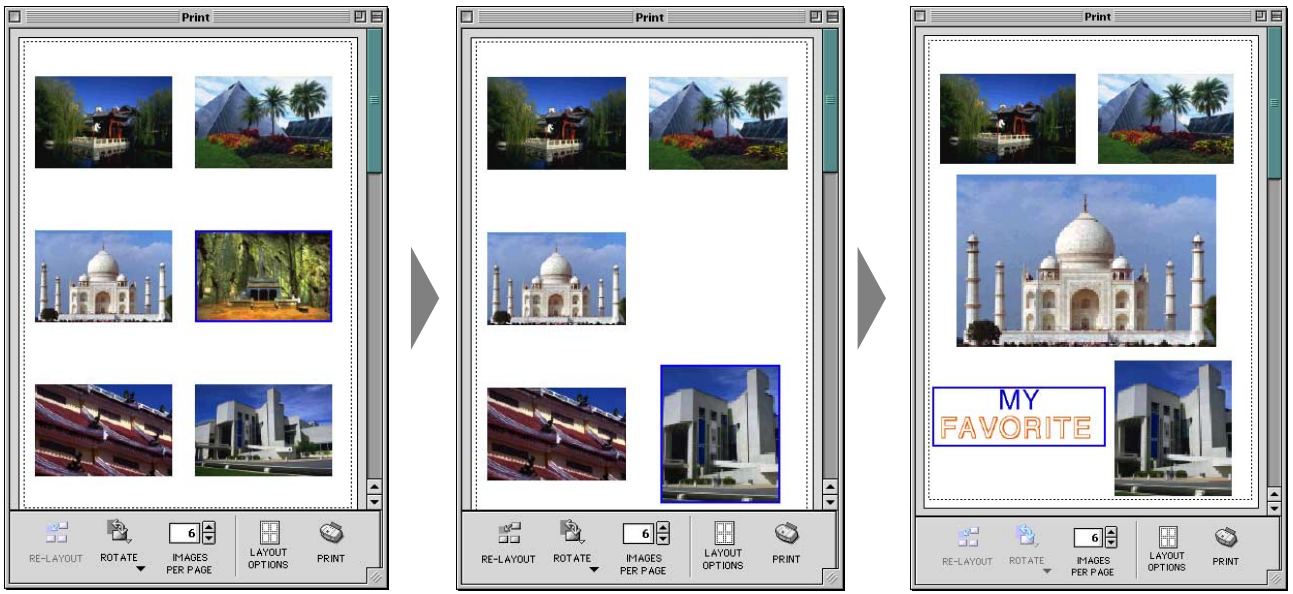


Starting Printing

Click the **PRINT** button to begin printing.

Page Artwork

When the **Custom layout printing** option is selected, you can change the size and position of the images as well as perform image cropping. You can also add text information to the page.



Steps to delete an image

1. Select the image you want to delete.
   A frame appears around the selected image.






Selected image




2. Press the Delete key on the keyboard.





The image is deleted.




You can also delete the selected image by selecting **Clear** from the **Edit** menu.

Cropping an image

1 Select the image you want to crop.
A frame appears around the selected image.



2 Double-click the selected image.
The **Clipping** window appears in which the selected image is displayed.
You can also open the **Clipping** window by selecting **Clipping** from the **Edit** menu.



3 In the **Clipping** window, drag the mouse to select the clipping area.



4 Click the close box at the upper left corner of the window to close the **Clipping** window.

The image after cropping is displayed in the **Print** window.

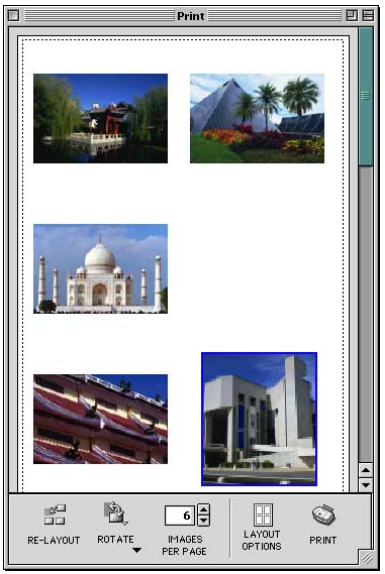


Image after cropping

Refer to Cropping an Image for more information on the Clipping window and how to crop an image.

Moving an image (changing the position of an image)

1. Select the image you want to move.
   A frame appears around the selected image.



2. Drag the image with the mouse to move to a different location.

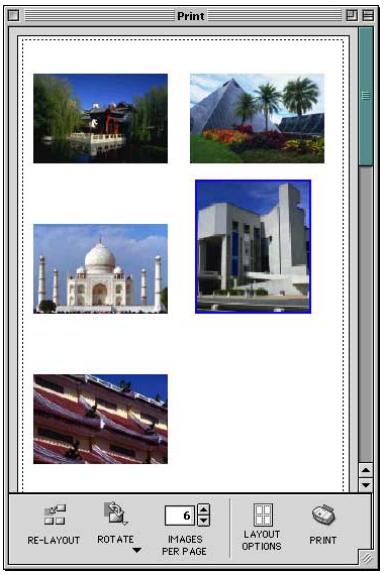


Image moved to a different location

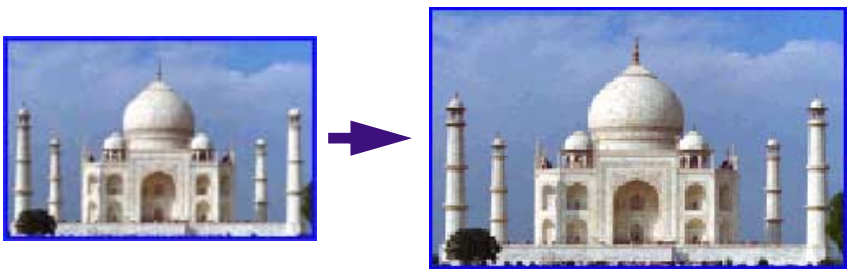
Enlarging and reducing an image (changing the size of an image)

1. Select the image you want to enlarge or reduce.

   A frame appears around the selected image.

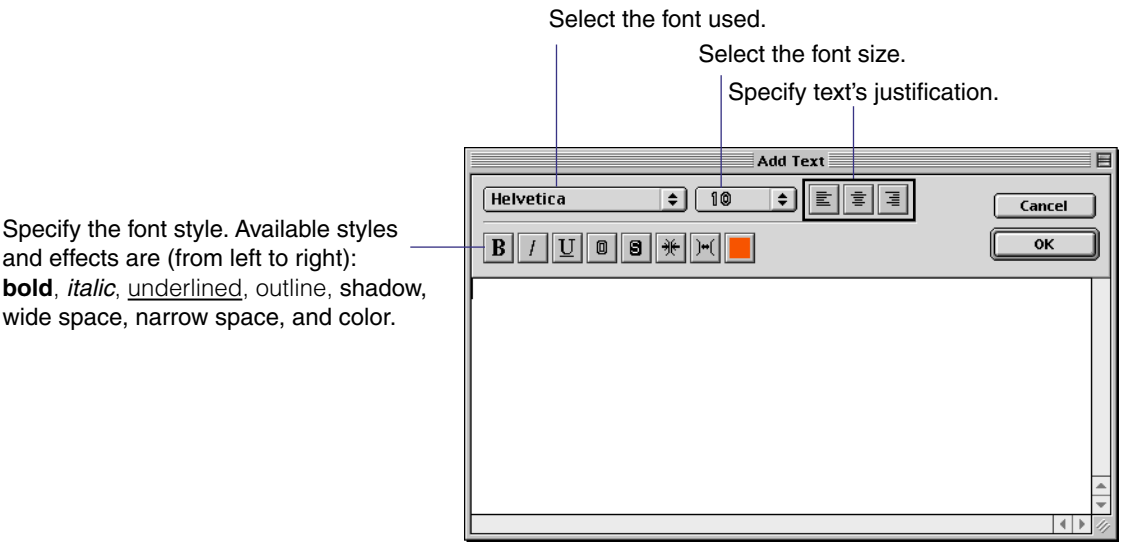
2. Place the mouse cursor over the border of the selected image, and drag the mouse to enlarge or reduce the image.

   When the mouse cursor is positioned over the image border, the cursor changes into ↕.



Adding text

1 Select **Add Text** from the **Edit** menu.
The **Add Text** window appears.



2 Enter text in the text box.

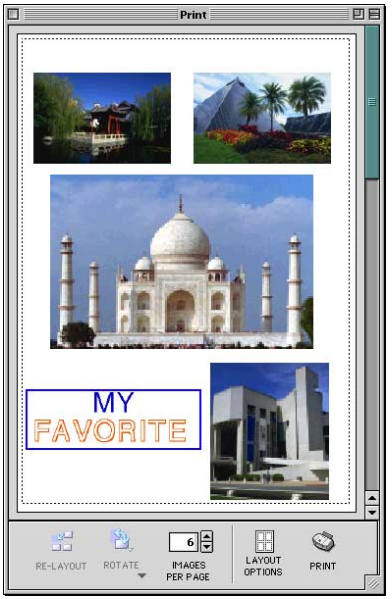
You can specify text attributes such as font, font style, color and justification.

The entered text is inserted into the **Print** window according to the format specified in the **Add Text** window.



3 Click the **OK** button.

The entered text is displayed on the **Print** window.



Page headers and image titles can also be added. Refer to Inserting Text for more information on headers and titles.

Starting Printing

Click the **PRINT** button to begin printing.

Fixed Photo Size Printing

Selecting a Layout

Follow the steps below when performing fixed photo size printing.

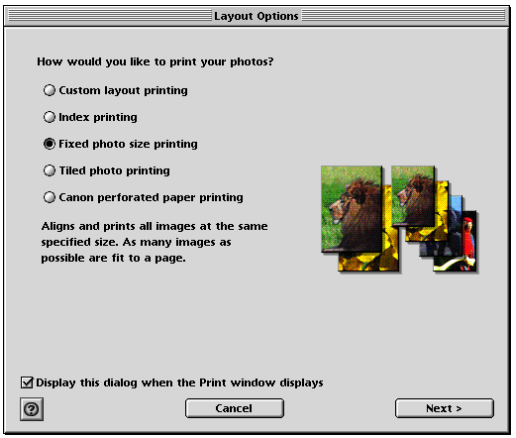
Steps

1. In the Browser area, select the image(s) to print with the fixed photo size printing option. Then select **Layout printing** from the submenu that appears when clicking the **PRINT** button.

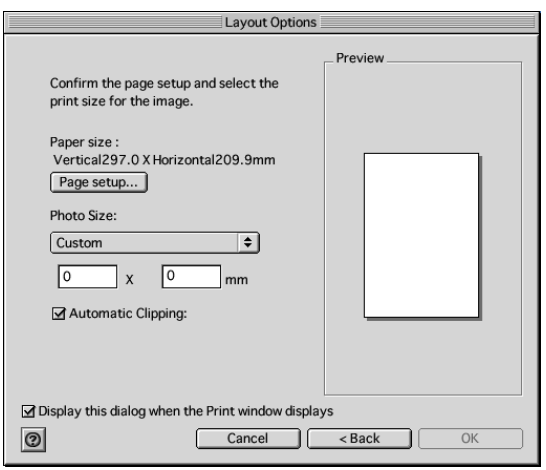


The **Layout Options** window appears and the layout selection wizard starts.

2 Select the **Fixed photo size printing** option in the **Layout Options** window.

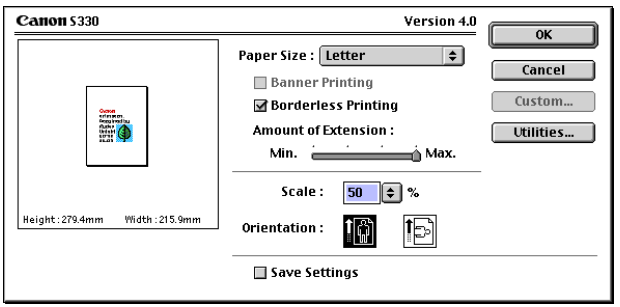


3 Click the **Next** button to proceed to the next page.



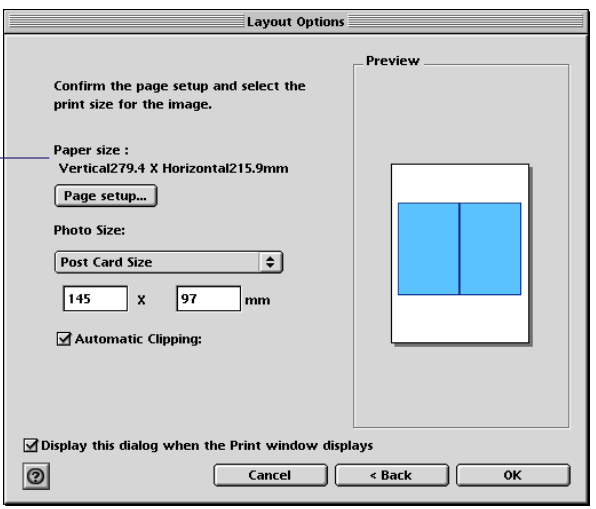
4 Click the **Page setup** button.

The Page Setup dialog box for the printer selected in the Chooser appears. Specify the paper size and orientation.



5 Click the **OK** button to close the Page Setup dialog box and return to the **Layout Options** window.

The size of paper you specified in the Page Setup dialog box is displayed.

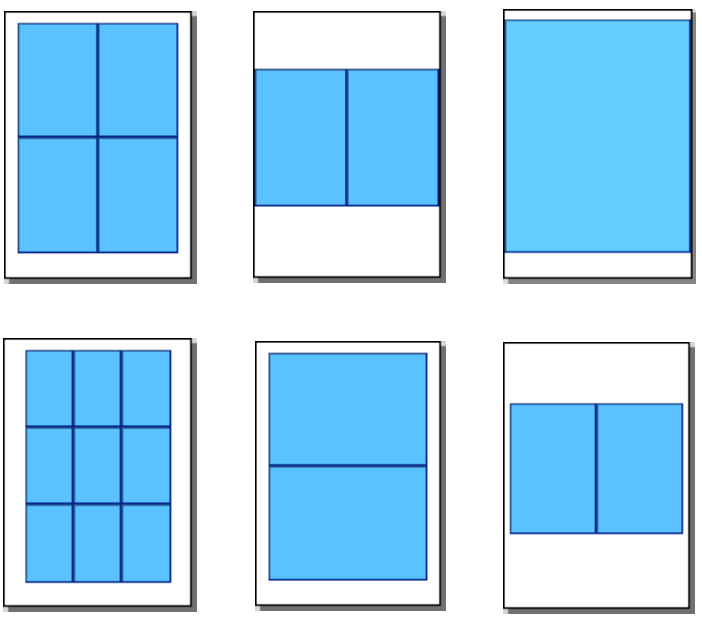


6 Select the size of the photos.

Check the **Automatic Clipping** check box to automatically crop images so that they fit the paper of the specified size.

Select the size of photos from the **Photo Size** pulldown menu. The **Preview** area on the right side of the window shows how the selected images are arranged under the current settings.

The figure below illustrates how the images are placed on A4 paper for each photo size.



Select the **Custom** option when printing non-standard photos. In this case, you have to specify the height and width of the photo.

7 Click the **OK** button to exit the layout selection wizard.

The **Print** window appears where the selected images are arranged so that they fit the paper size you specified.

Page Artwork

When printing using the fixed photo size printing option, you cannot change the location and size of the images although the image cropping and text insertion features are available.

Starting Printing

Click the **PRINT** button to begin printing.

Tiled Photo Printing (Borderless Printing)

Selecting a Layout

Follow the steps below when performing tiled photo printing.

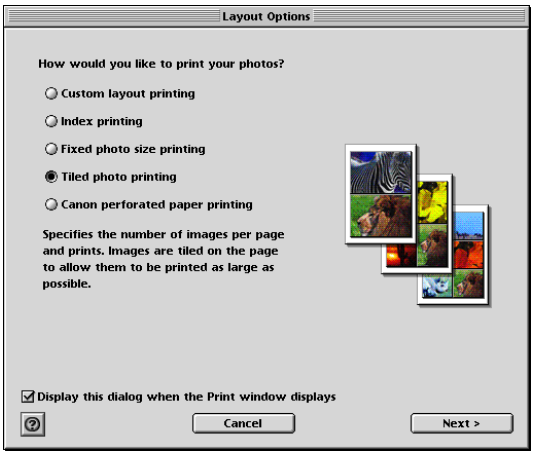
Steps

1. In the Browser area, select the image(s) to print with the **Tiled photo printing** option. Then select **Layout printing** from the submenu that appears when clicking the **PRINT** button.

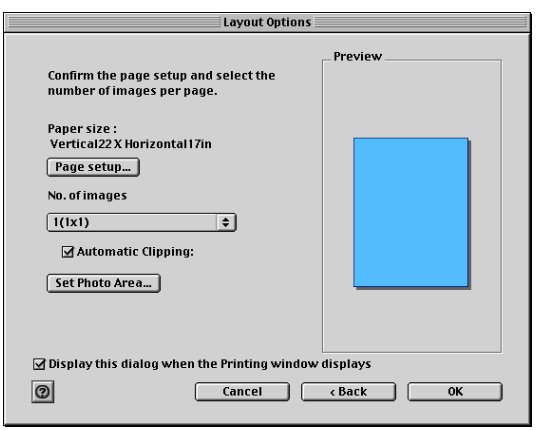


The **Layout Options** window appears and the layout selection wizard starts.

2 Select **Tiled photo printing** option in the **Layout Options** window.



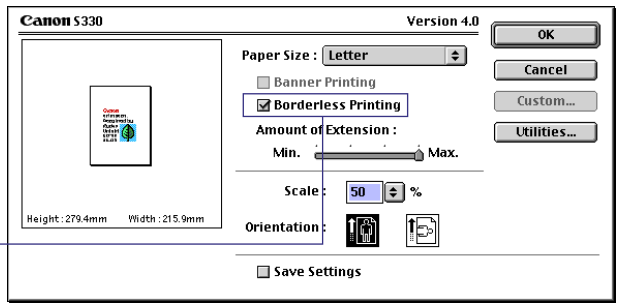
3 Click the **Next** button to proceed to the next page.



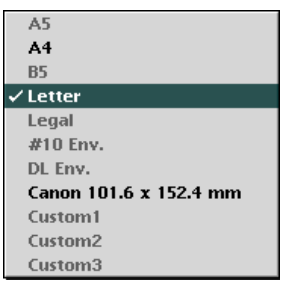
4 Click the **Page setup** button.

The Page Setup dialog box for the printer selected in the Chooser appears. Specify the paper size.

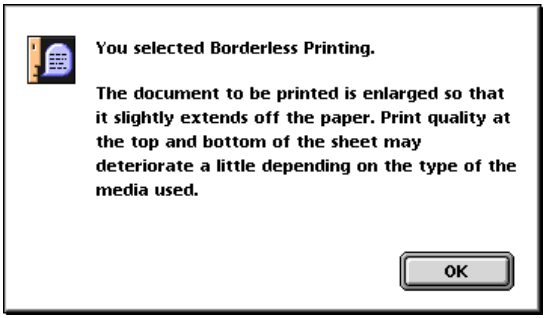
To specify settings for the tiled photo printing:
Select the **Borderless Printing** check box to print images with no margins.



With the tiled photo printing, the types of paper that can be selected are limited to those shown below:



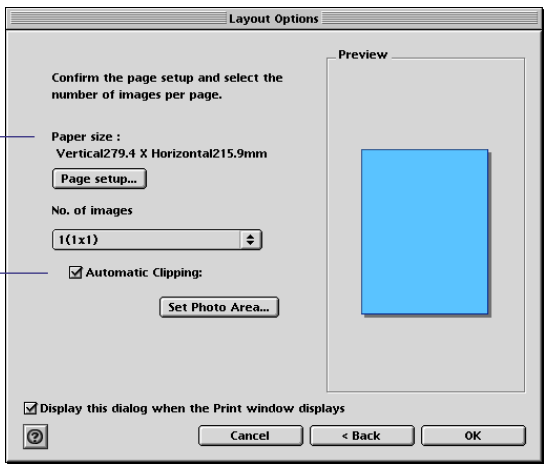
5 Click the **OK** button to close the Page Setup dialog box.
A message box pops up, displaying the information about printing.



6 Read the message and click the **OK** button.
You will be returned to the **Layout Options** window.

The size of paper you specified in the Page Setup dialog box is displayed.

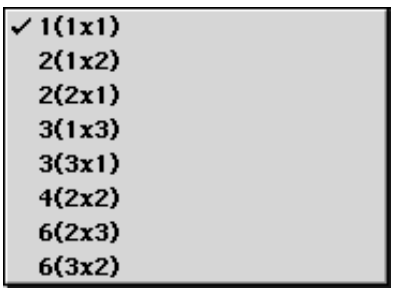
Check the **Automatic Clipping** check box to automatically crop images so that they fit the paper you specified.



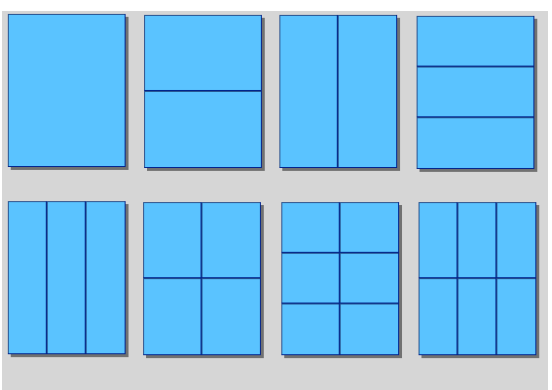
7 Specify the number of photos.

Select the number of photos printed on one page from the **No. of images** pulldown menu. The **Preview** area on the right side of the window shows how the selected photos are arranged under the current settings.

*For example, select **1(1x1)** to print only one photo on a page.



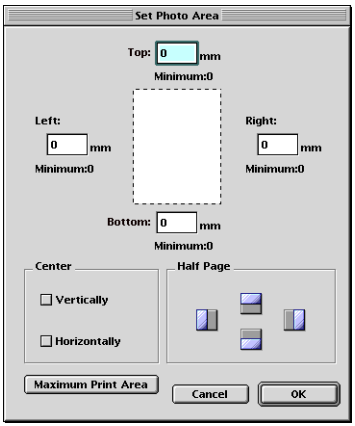
The figure below illustrates how the photos are placed on A4 paper depending on the value of the **No. of images** pulldown menu.



8 Specify paper margins (the space around the printed matter on a page) if necessary.

Click the **Set Photo Area** button to open the **Set Photo Area** dialog box. In this dialog box, you can specify the top, bottom, right, and left margins. However, since the margins will be automatically calculated and set to appropriate values by the printer driver, in most cases you do not have to specify manually. You should specify the margins only when desired outputs are not produced.

Click the **OK** button to make the settings take effect.



9 Click the **OK** button to exit the layout selection wizard.

The **Print** window appears where the selected photo images are arranged so that they fit the page size you specified.

Page Artwork

When the **Tiled photo printing** option is selected, you cannot change the location and size of the images although the image cropping and text insertion features are available.

Starting Printing

Click the **PRINT** button to begin printing.

Canon Perforated Paper Printing

The Canon perforated paper printing feature allows you to quickly print images on Canon perforated paper.

Refer to About Canon Perforated Paper for more information on the types of Canon perforated paper.

Note ➤ Some printer models may not support the printing on Canon perforated paper. See your printer manuals for more information.



Selecting a Layout

Follow the steps below when performing the Canon perforated paper printing.

Steps

1. In the Browser area, select the image(s) to print with the **Canon perforated paper printing** option. Then select **Layout printing** from the submenu that appears when clicking the **print** button.



The **Layout Options** window appears and the layout selection wizard starts.

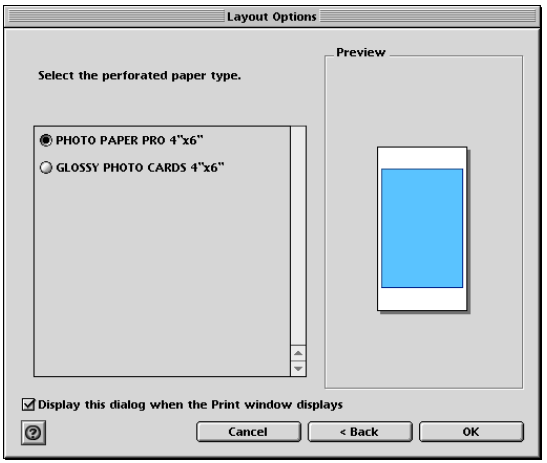
2. Select the **Canon perforated paper printing** option in the **Layout Options** window.



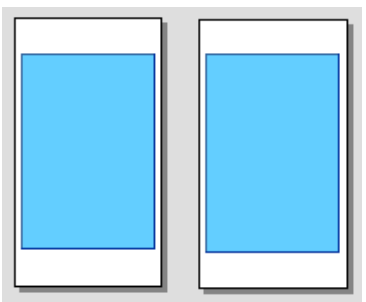
3 Click the **Next** button to proceed to the next page.

4 Specify the type of Canon perforated paper.

When you select the type of Canon perforated paper, the **Preview** area on the right side of the window shows how the photos are arranged under the current settings.



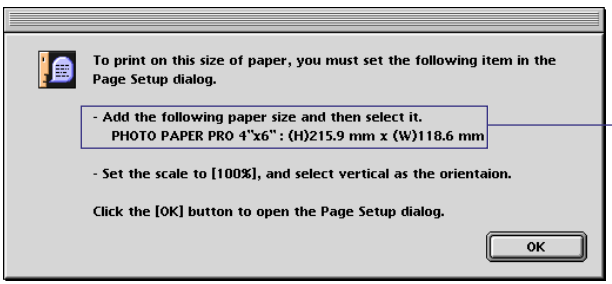
The figure below illustrates how the photos are placed depending on the selected type of Canon perforated paper.



5 Click the **OK** button.

A message dialog box appears, indicating the size of Canon perforated paper you just selected in the **Layout Options** window.

This paper size must be registered in the Page Setup dialog box that appears in the next step.



The size of Canon perforated paper you selected in the **Layout Options** window.

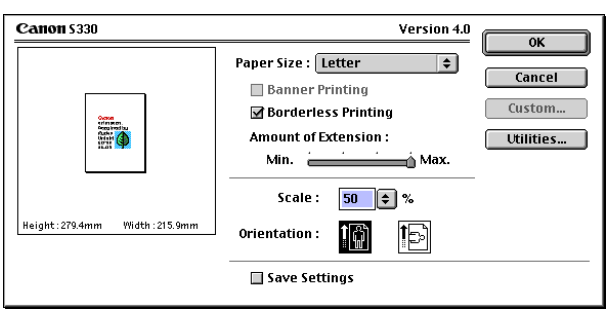
The figure above shows the size of Photo Paper PRO <PC-101S>.

6 Click the **OK** button on the message box.

The Page Setup dialog box for the printer selected in the Chooser appears.

7 Select the **Custom1** option from the **Paper Size** pulldown menu.

The **Custom** button becomes active.

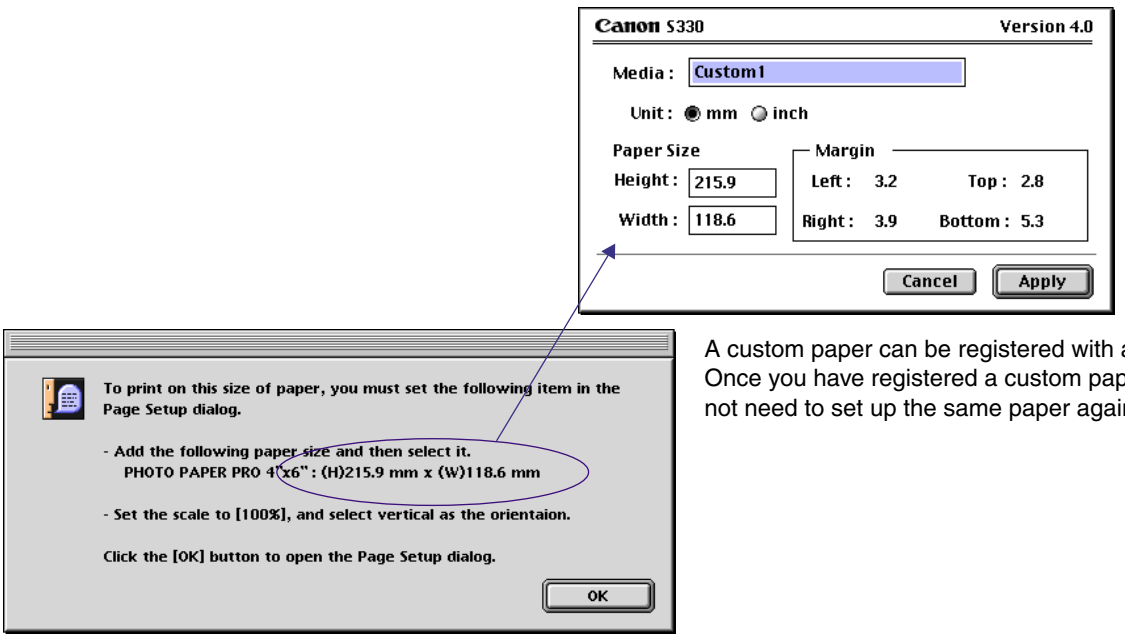


Note ➤ Be sure to unselect the **Borderless Printing** check box when performing the Canon perforated paper printing. When this check box is selected, the **Custom1** option in the **Paper Size** pulldown menu is disabled.

8 Click the **Custom** button.

A dialog box for paper registration appears.

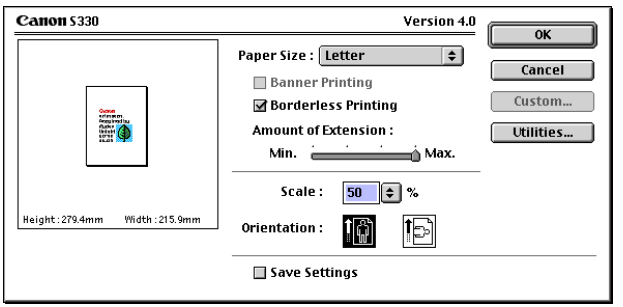
9 Enter the size of the custom paper by following the message.



A custom paper can be registered with a name. Once you have registered a custom paper, you do not need to set up the same paper again.

10 Click the **Apply** button.

The custom paper has been registered, and the layout selection wizard terminates.



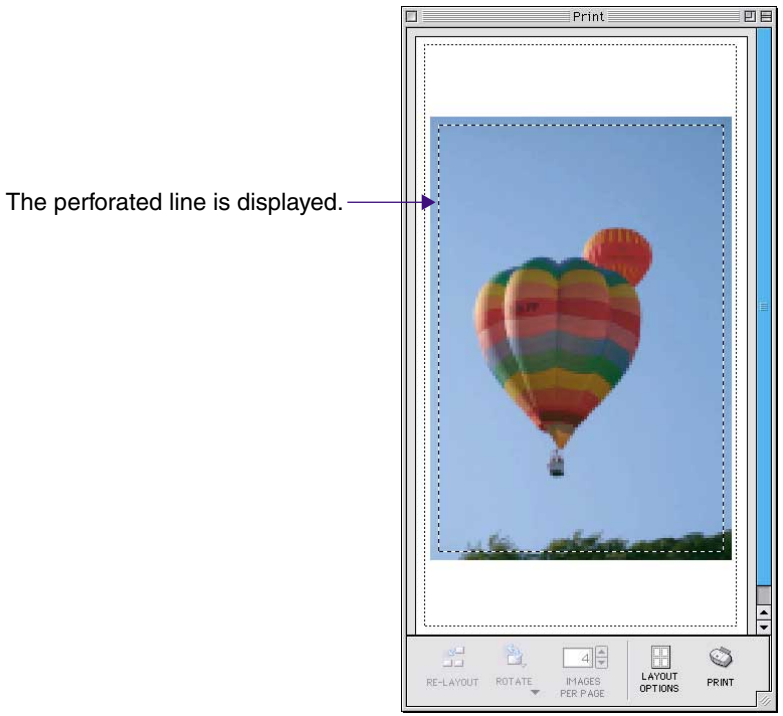
The **Print** window appears where the selected photos are arranged so that they fit the paper size you specified.

Page Artwork

When the **Canon perforated paper printing** option is selected, you cannot change the location and size of the images although the image cropping and text insertion features are available.

Starting Printing

1 Click the **PRINT** button to start printing.



About Canon Perforated Paper

This section briefly describes the Canon perforated paper.

The photos printed on Canon perforated paper can easily be cut apart by along the perforated lines. This relatively thick, high glossy paper lets you print photo-quality images without blank portions around them.

Types of Canon perforated paper are:

- Glossy Photo Card <FM-101>
  Paper size:
  Height 213.9 mm x Width 118.6 mm
- Photo Paper Pro <PC-101S>
  Paper size:
  Height 215.9 mm x Width 118.6 mm

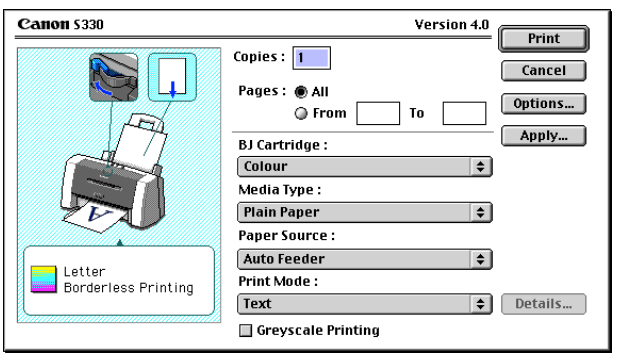
Starting Printing

Once you have completed all necessary steps for the page layout, follow the steps below to start printing.

Steps

1 Click the **PRINT** button.

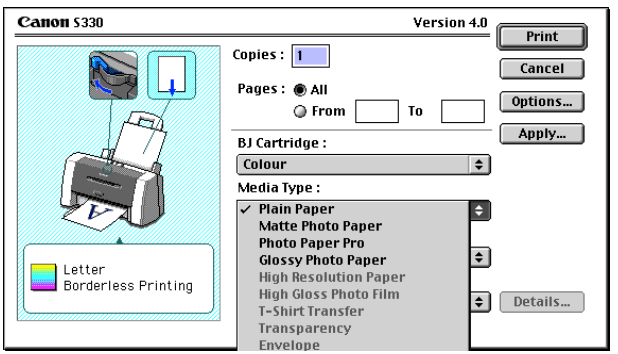
The Print dialog box of the printer selected in the Chooser appears.



2 Select the type of paper used for printing.

Select the type of paper you specified in the Page Setup dialog box from the **Media Type** pulldown menu.

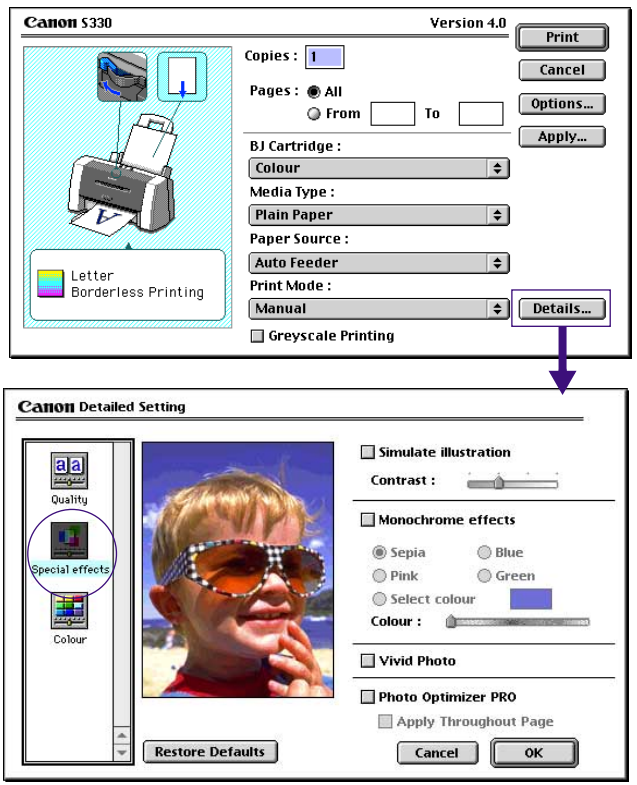
For example, select **Photo Paper Pro** when printing on the Pro Photo Card, and select **Glossy Photo Paper** when printing on the Photo Glossy Card.



3 Specify a print mode.

Normally, you should choose the Photo option when printing photos.

If you click the **Manual** button, the **Details** button becomes active as shown below:



Click the **Details** button to display the **Detailed Setting** dialog box. In this dialog box, click the **Special Effects** button on the left side to activate photo color correction features such as **Vivid Photo** and **Photo Optimizer PRO**.

Vivid Photo

If the **Vivid Photo** check box is selected, green and blue are printed more vividly while the color of skin tones remains intact. This feature is useful when printing photos containing grass, sky, or sea in the background.

Photo Optimizer PRO

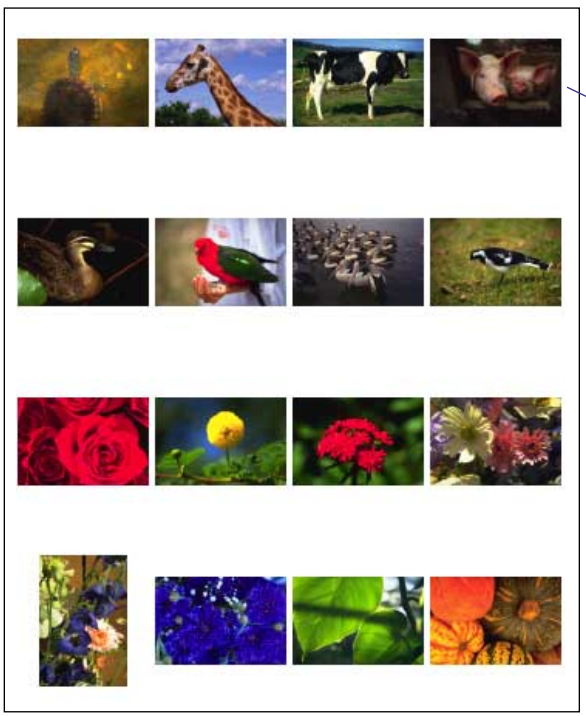
If the **Photo Optimizer PRO** check box is selected, the color data captured by a digital camera is corrected based on the colors and tones. This may be useful when correcting unnatural tones caused by fluorescent lights or incandescent lamps, or overexposure or underexposure. This Auto Photo Perfect feature automatically adjusts the brightness, preventing extremely dark areas in an image from turning to shadows.

4 Click the **Print** button.

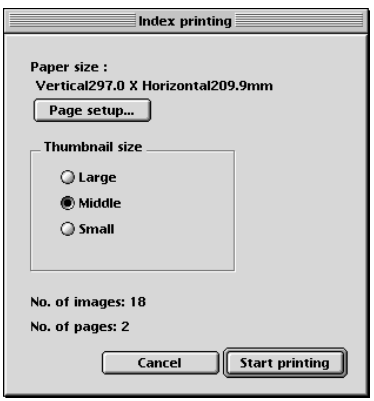
Printing starts.

Index Printing

ImageBrowser's index printing feature allows you to quickly print an index (a list of thumbnails) of the selected images. You can specify the size of the thumbnails.



All of the selected images are automatically arranged and then printed.



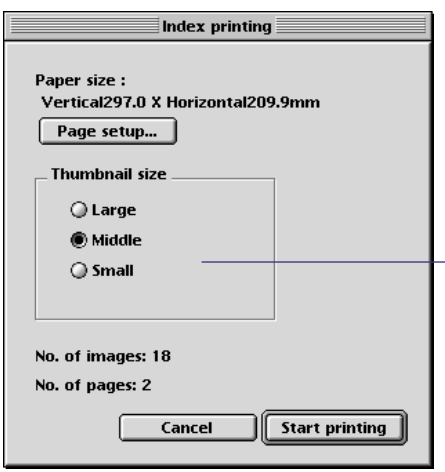
Printing Index Quickly

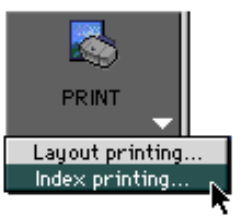
Use this printing method to quickly print the index of the selected images (thumbnails) without opening the **Print** window.

Steps

1 In the Browser area, select the image(s) to print with the index printing technique. Then select **Index printing** from the submenu that appears when clicking the **PRINT** button.

The **Index printing** window appears.



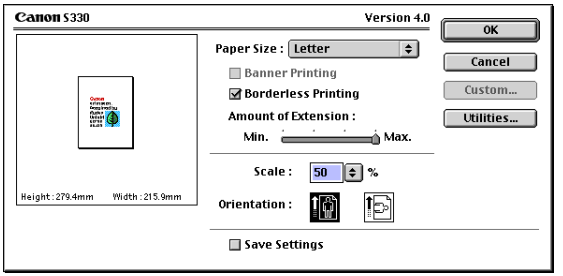


Select the size of thumbnails. The number of pages used for printing depends on the number of selected images and the size of thumbnails specified in the **Index printing** window.

2 Click the **Page setup** button.

The Page Setup dialog box for the printer selected in the Chooser appears. Specify the paper size and orientation.

3 Click the **OK** button to close the Page Setup dialog box.



4 Specify the size of thumbnails.

The number of pages used for printing depends on the number of selected images, the size of thumbnails specified in the **Index printing** window, and the size of paper specified in the Page Setup dialog box.

5 Click the **Start printing** button.

The Print dialog box appears.

6 Click the **Print** button in the Print dialog box.

Printing starts.

Previewing the Page Layout before Printing

You can preview the page layout before printing an index of the selected images.

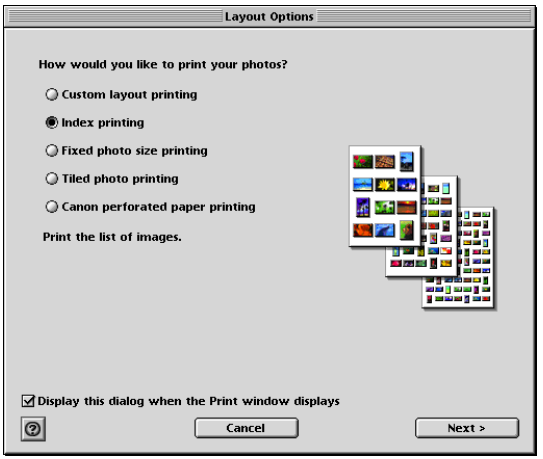
Steps

1. In the Browser area, select the image(s) to print with the index printing. Then select the **Layout printing** from the submenu that appears when clicking the **PRINT** button.

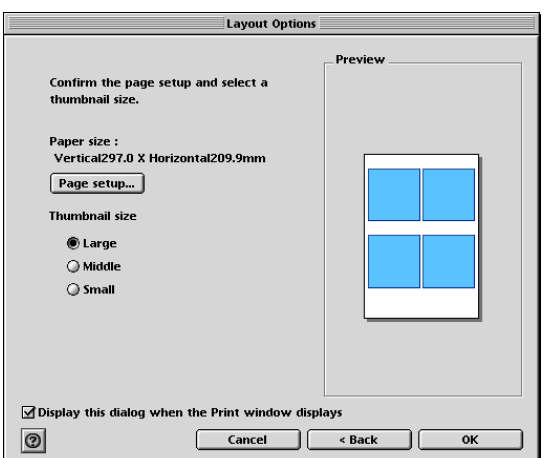


The **Layout Options** window appears and the layout selection wizard starts.

2 Select the **Index printing** option.

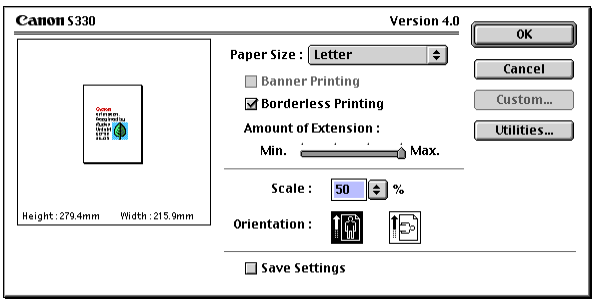


3 Click the **Next** button to proceed to the next page.



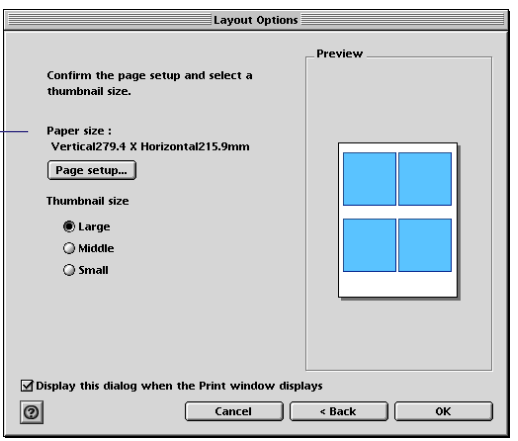
4 Click the **Page setup** button.

The Page Setup dialog box for the printer selected in the Chooser appears. Specify the paper size and orientation.



5 Click the **OK** button to close the Page Setup dialog box and return to the **Layout Options** window.

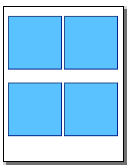
The size of paper you specified in the Page Setup dialog box is displayed.

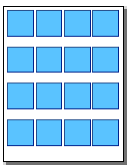


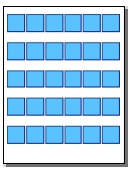
6 Specify the size of thumbnails.

You can select from the **Large**, **Medium**, and **Small** options.

The **Preview** area on the right side of the window shows how the thumbnails are arranged under the current settings.


Large


Medium

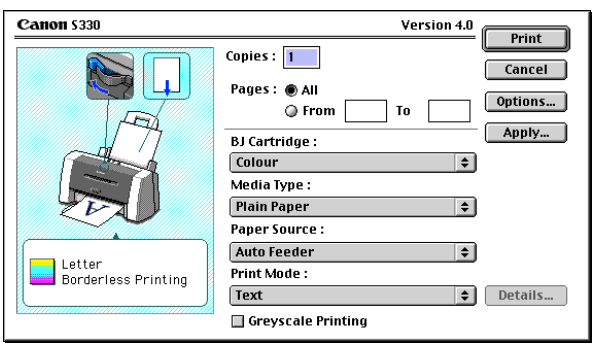

Small

7 Click the **OK** button to exit the layout selection wizard.

The **Print** window appears, showing the thumbnails that are arranged according to the current settings.

8 Click the **PRINT** button.

The Print dialog box for the printer selected in the Chooser appears.



9 Specify the **Media Type** and the **Print Mode**.

Select the type of paper you specified in the Page Setup dialog box from the **Media Type** pulldown menu.

When printing photos, usually select the Photo option for the **Print Mode**. Select the Text option for the **Print Mode** to reduce printing time, if necessary.

10 Click the **Print** button to start printing.

Page Artwork

- Editing the Layout Format
- Inserting Text
- Cropping an Image

Editing the Layout Format

When you select the **Custom layout printing** option in the **Layout Options** dialog box, you can move, reduce and delete the images in the **Print** window.



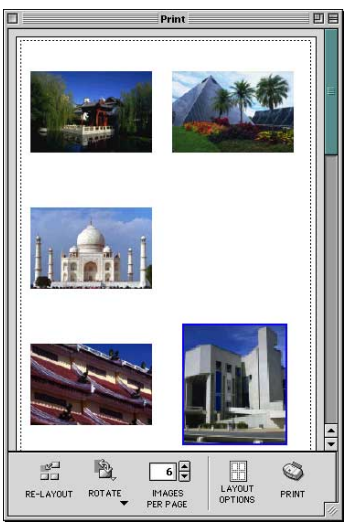
Moving an Image

In the **Print** window, you can move an image to a different location.

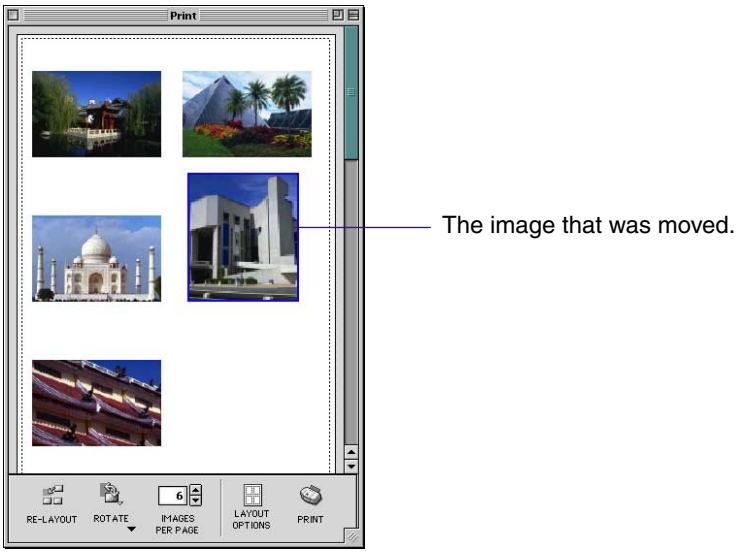
When you select the **Custom layout printing** option in the **Layout Options** dialog box, you can move an image by dragging it in the **Print** window.

1 Select the image you want to move in the **Print** window.

A blue frame appears around the image.



2 Drag the image to move to a different location.



Note ➤ When you select one of the options other than the **Custom layout printing**, you cannot move images in the **Print** window. However, the display order can be changed by dragging one of the images.

Changing the Size of an Image

When you selected the **Custom layout printing** option in the **Layout Options** dialog box, you can enlarge or reduce the selected image by dragging its frame (blue line). When the mouse cursor is positioned over the image frame, the cursor changes into ↕. Then drag the mouse to enlarge or reduce the image.

Steps

1. Select the image you want to change its size.
   The frame appears around the image.



2 Move the cursor over the frame of the image, and drag the mouse to enlarge or reduce it.

When the mouse cursor is positioned over the image frame, the cursor changes into ↕.



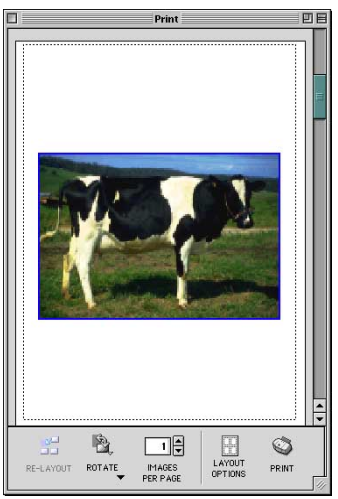
Note ➤ When you select one of the options other than the **Custom layout printing**, you cannot enlarge or reduce images in the **Print** window.

Rotating an Image

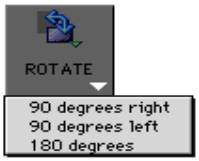
You can rotate the selected image by selecting the **90 degrees right**, **90 degrees left**, or **180 degrees** option from the submenu that appears when clicking the **ROTATE** button.

1 Select the image you want to rotate.

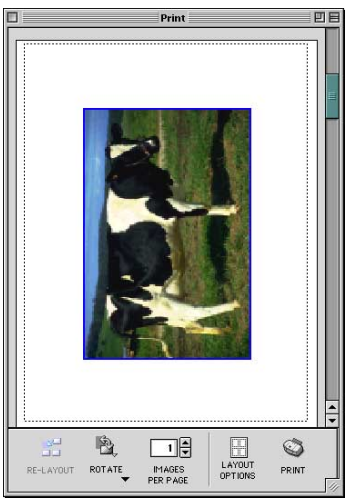
The frame appears around the image.



2 Click the **ROTATE** button to display a submenu, and select one of three options, **90 degrees right**, **90 degrees left**, and **180 degrees**, as needed.



3 According to the option you selected, the image is rotated.

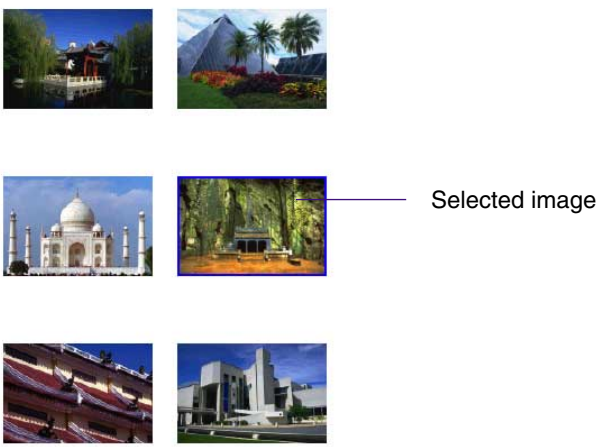


Note ➤ When you select one of the options other than the **Custom layout printing**, only the **180 degrees** option is available. When the current layout is the **Index printing**, all image rotation features in the **Print** window are disabled.

Deleting an Image

You can delete a selected image in the **Print** window. However, note that the deleted image is only excluded from printing, and the original image file remains intact.

1 Select the image you want to delete.
The frame appears around the image.



2 Press the Delete key on the keyboard.

The selected image is cleared.






The image disappears.




You can also delete the selected image by selecting **Clear** from the **Edit** menu.

Inserting Text

Entering Text into the Page

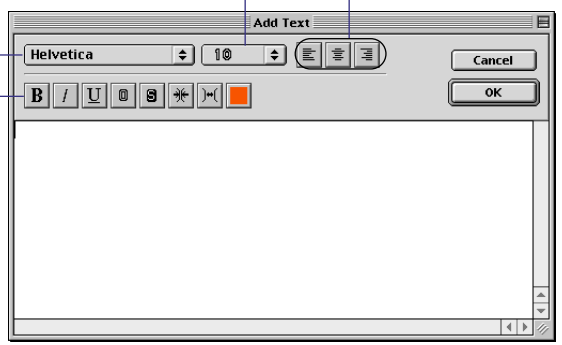
You can enter text anywhere in the page displayed in the **Print** window.

The text entered in the **Add Text** window is displayed in the center of the **Print** window within the frame (blue outline rectangle), indicating the text is selected. The selected text can be moved by dragging with the mouse.

Double-clicking the selected text displays the **Edit Text** window, in which you can edit the text.

Steps

1 Select **Add Text** from the **Edit** menu.
The **Add Text** window appears.



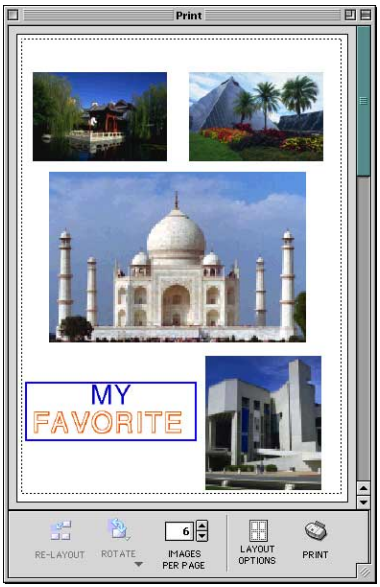
2 Enter text.
You can specify the text attributes such as the font, font style, color, and alignment.



The entered text is inserted into the **Print** window in the format it appears in the **Add Text** window.

3 Click the **OK** button.

The entered text is displayed in the **Print** window within the frame (blue). The text can be moved by dragging with the mouse.



Adding a Caption to the Image

You can add a caption to each of the images in the **Print** window.

If the current layout is the **Custom layout printing** or the **Index printing**, the entered caption appears immediately below the selected image.

When the current layout option is neither the **Custom layout printing** nor the **Index printing**, the entered caption is displayed in the location specified in the **Edit Caption** window (the alignment setting for text). Double-clicking the entered caption in the **Print** window displays the **Edit Caption** window, in which you can edit the string.

Note ➤ The steps for adding a caption to the image are the same as those for entering text into the page except for the window invoked by the command and the location where the text is displayed.

Adding a Header to the Page

You can add a header to the page. The header is displayed at the top of the printable area of the page.

In the **Print** window, the entered header is inserted at the horizontal position specified in the **Edit Header** window (the justification setting for text, that is, left, center or right).

Double-clicking the entered header in the **Print** window displays the **Edit Header** window, in which you can edit the string.

Note ➤ The steps for adding a header to the page are the same as those for entering text into the page except for the window invoked by the command and the location where the text is displayed.

Cropping an Image

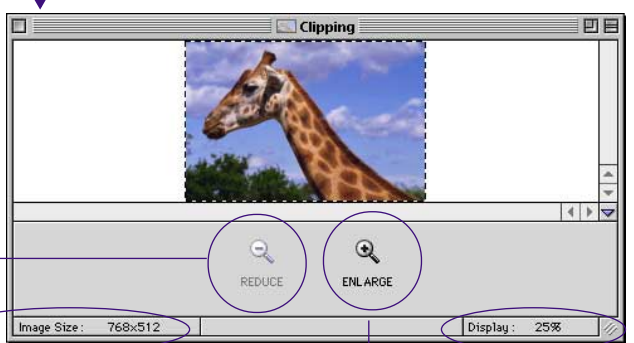
An image in the **Print** window can be cropped. This image cropping feature gives you the ability to specify the area for printing without changing the original image data.

Steps

1 Select the image you want to crop, and select **Clipping** from the **Edit** menu.
The **Clipping** window appears.



Double-clicking the image also displays the **Clipping** window.



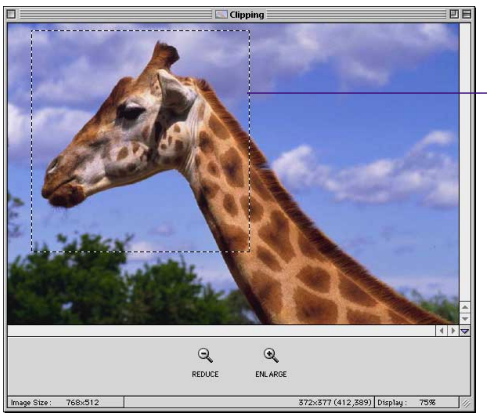
REDUCE button
Reduces the size of the image up to 25% of the original size.
The size of the image is displayed.

The size of the image is displayed.

ENLAEGE button
Enlarges the size of the image.

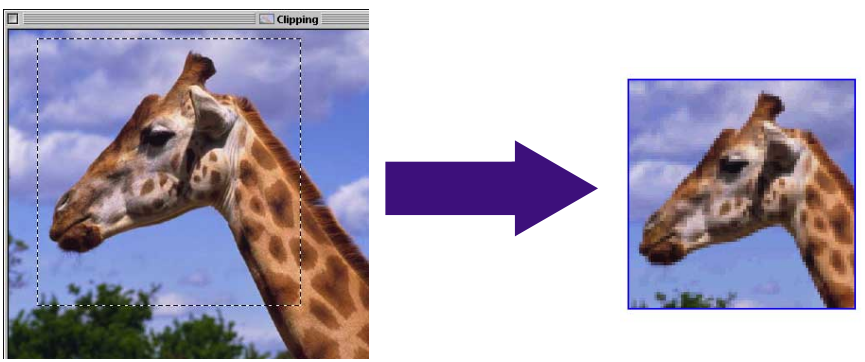
The current display percentage appears.

2 Drag the mouse over the image to select the area to be cropped.
Click outside the selected area to deselect it.



Selected area for cropping

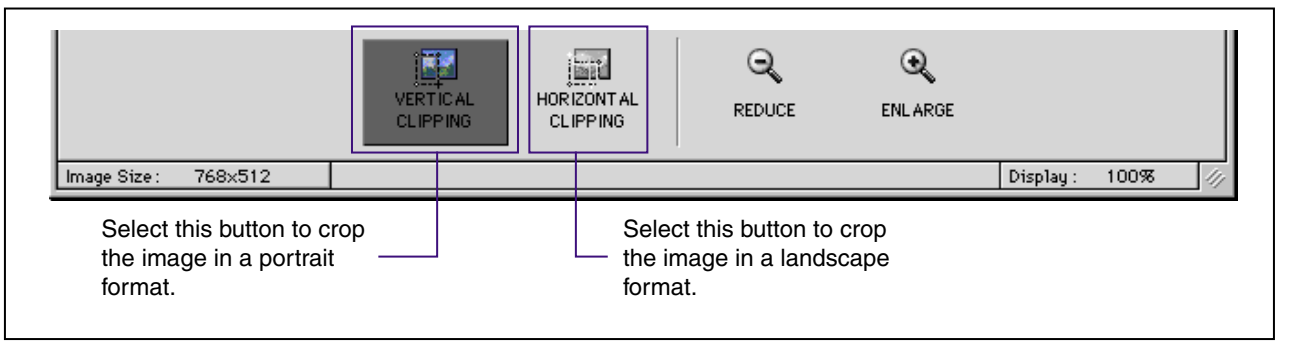
3 Click the close box at the upper left corner of the **Clipping** window.
The **Clipping** window is closed and the cropped image is displayed in the **Print** window.



Limitations of the image cropping feature depending on the current layout

When the current layout is the **Custom layout printing**, you can select a clipping area of any size and any height/width ratio.

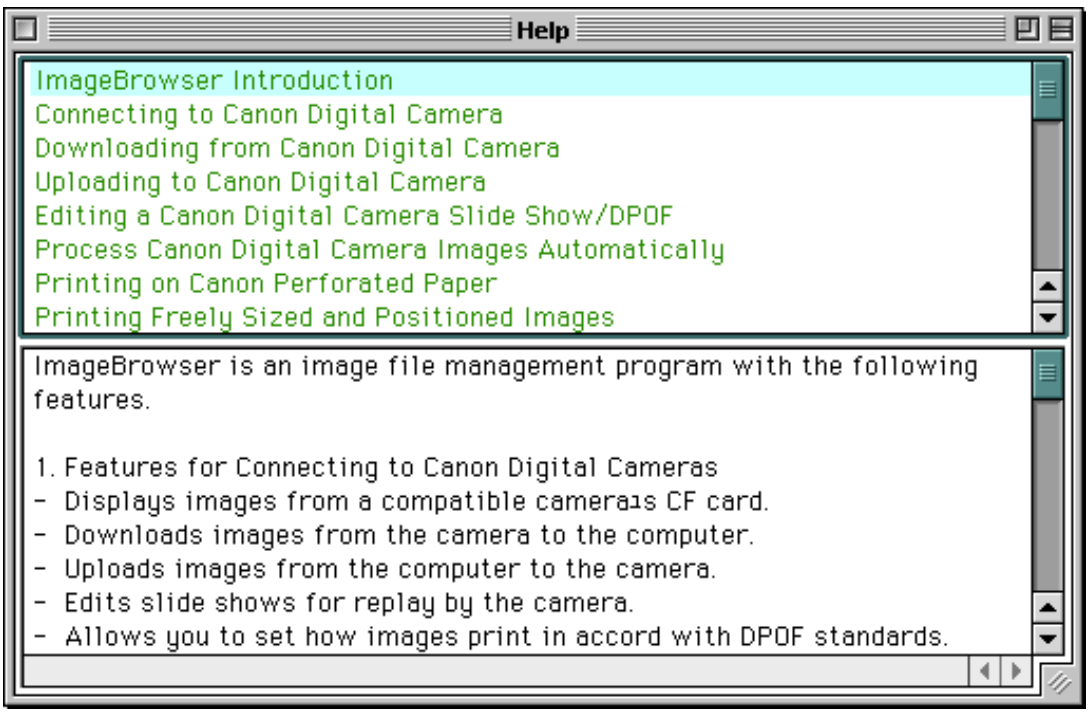
However, in case the current layout is the **Tiled photo printing**, **Fixed photo size printing**, or **Canon perforated paper printing**, cropping is restricted to the vertical clipping or horizontal clipping. This is because the height/width ratio is fixed in these three layout modes.



Note that the **Index printing** layout option does not support the cropping feature.

How to Use Online Help

ImageBrowser provides you Online Help with information about functions and operations. It contains a brief description of operational steps that you can read on the screen while operating the program.



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