



# Exif Viewer DP Editor

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## User's Guide

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This User's Guide contains the instructions for using the Exif Viewer and DP Editor software. Read this manual carefully before using these programs.

# IMPORTANT

**Be sure to read this page before using the Software Set.**

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# Introduction

This User's Guide describes how to use the Exif Viewer and DP Editor software.

In this Guide, it is assumed that the reader has a basic grasp of how to use a personal computer (PC). For information on how to use your PC, refer to the manuals supplied with the PC.

The screens and menus shown in this Guide differ slightly in the Windows and Macintosh versions. Where "(Windows)" or "(Macintosh)" is shown in the Guide, refer to the relevant description for your type of PC.

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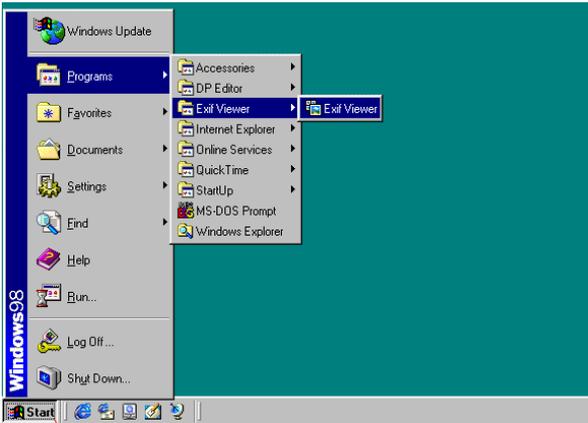
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# I. Using the Software on Your PC

## Using Exif Viewer

### 1.Starting Up Exif Viewer

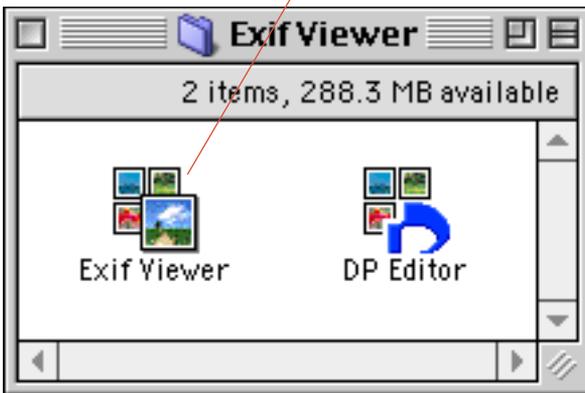
Screen at startup



Windows

From the Start menu, select [Programs]-  
[Exif Viewer]-[Exif Viewer].

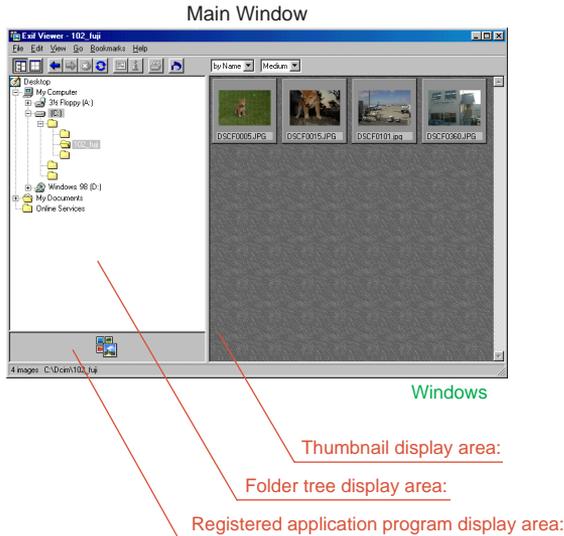
Double-click [Exif Viewer].



Macintosh

## Exif Viewer Main Window and Menus

Once Exif Viewer starts up, the screen shown below appears.



**NOTE:** Exif Viewer can read the following file formats: Exif-JPEG, Exif-TIFF, JPEG, BMP (Windows version), PICT (Macintosh version), FlashPix and AVI.

**TIP:** If you can no longer open Exif Viewer on your Macintosh, the Preferences file is probably corrupted. Open the Preferences folder in the System folder on the startup disk and move the [Exif Viewer Prefs] file to the Trash. Then empty the Trash and start up Exif Viewer again.

## Main Window Configuration

### Folder tree display area:

Lists the contents of the drives and folders.

### Registered application program display area:

Displays the application program registered for opening images.

### Thumbnail display area:

Displays thumbnail versions of the images in the selected folder.



### [Show / Hide Tree] button:

Clicking this button alternately shows and hides the folder tree and the registered application programs.



### [Back] button

Click this button to move back to the folder displayed last.  
(-> [P.11](#))



### [Forward] button:

After you have used the [Back] button to move to the previously selected folder, clicking the [Forward] button returns you to the original folder. (-> [P.11](#))



### [Stop] button:

Click this button to cancel thumbnail display.



### [Refresh] button:

Click this button to update the display to show the latest items.



### [Open] button:

Click this button to open the selected image. (-> [P.9](#))



### [Information] button:

Click this button to view the information for the selected image.  
(-> [P.14](#))



### [Print] button:

Click this button to open the Print dialog box and print an image.  
(-> [P.21](#))



### [Print Order] button:

Click this button to start up DP Editor and order prints. (-> [P.25](#))

## Pop-Up Menus



### [Arrange Thumbnails] pop-up menu:

Use this menu to select the order in which thumbnail images are displayed. (-> [P.13](#))



### [Thumbnail Size] pop-up menu:

Use this menu to select the size at which thumbnail images are displayed. (-> [P.13](#))



#### 4. Scrolling around the image display

You can use the scroll bars in the Image Window to scroll to different parts of the image.

Also, by clicking the  button in the Toolbar or selecting [Hand tool] from the [Image] menu, you can switch to the free scroll mode which allows you to move the image around inside the window by dragging it around with the mouse.

#### 5. Playing back movie

Thumbnail images with the [Movie] icon  can be displayed and played back in the Movie Playback Window by selecting the thumbnail and:

- Clicking the  button, or
- Selecting [Open] from the [File] menu.

Movie Playback Window



Macintosh

Windows

[Frame advance] button:

Advances or rewinds the movie one frame at a time.

[Playback progress] button:

Shows the playback progress. Playback can be started at any point by dragging the button to the desired frame.

[Playback] button

Starts playback.

[Volume] button

Adjusts the sound volume.

#### To Save a Movie Frame

When movie playback is paused, you can save the currently displayed frame as a still image by selecting [Save As] from the [File] menu.

## 6. Using the folder selection history

Up to 20 recently selected folder names are automatically recorded. When you select a recorded folder name from the [Go] menu, the images in the selected folder are displayed.

Clicking the [] button or selecting [Back] from the [Go] menu displays the last folder selected before the current folder. When there is no previously selected folder, this button or menu is grayed out.

If you have gone back to the previous folder, clicking the [] button or selecting [Forward] from the [Go] menu displays the next folder after the folder currently displayed. If there is no next folder, this button or menu is grayed out.

## 7.Using bookmarks

### ■ Registering a folder in the bookmarks

Selecting [Add to Bookmarks] from the [Bookmarks] menu registers the currently selected folder as one of the bookmarks.

The name of the registered folder is used as the title.

Up to 100 bookmarks may be registered.

**★ NOTE:** Once 100 bookmarks have been registered, the [Add to Bookmarks] menu will be grayed out and cannot be used.

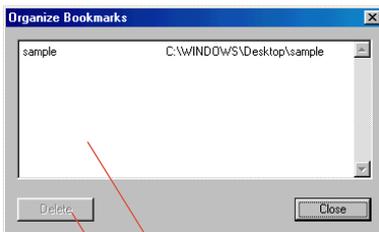
### ■ Browsing the bookmarks

When you select the title from the [Bookmarks] menu, the images in the folder with the corresponding title are displayed.

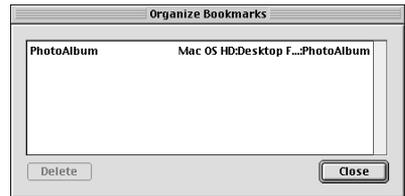
### ■ Editing the bookmarks

To edit the bookmarks, open the Bookmarks dialog box by selecting [Organize Bookmarks] from the [Bookmarks] menu.

Bookmarks dialog box



Windows



Macintosh

#### Title / path display:

Displays the title and folder path.

The title name can be modified by clicking the title.

#### [Delete] button:

Click the [Delete] button or press the Delete key (Windows) to delete the selected bookmark.

## 8.Changing the Thumbnail Display Mode

### To change the order in which thumbnail images are displayed

Select [Arrange Thumbnails] (Windows) or [Arrange] (Macintosh) from the [View] menu or [Arrange Thumbnails] pop-up menu and specify one of the following as the thumbnail display order.

By name, type(Windows), kind(Macintosh), date (Windows), date modified (Macintosh)

### To change the thumbnail size

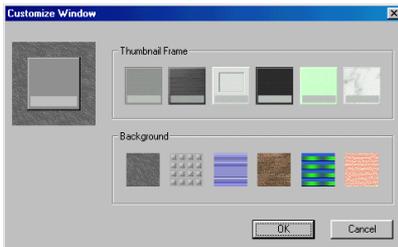
Select [Thumbnail Size] from the [View] menu or [Thumbnail Size] pop-up menu and specify one of the following as the thumbnail display size.

Large (160 x 120 pixels), Medium (80 x 60 pixels), Small (40 x 30 pixels)

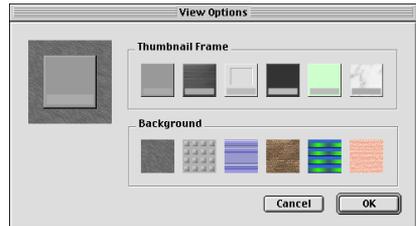
### To change the thumbnail frame and background design

By selecting [Customize Window] (Windows) or [View Options] (Macintosh) from the [View] menu, you can open the [Customize Window] dialog box and change the design of the thumbnail frame or Main Window background.

[Customize Window] dialog box



Windows

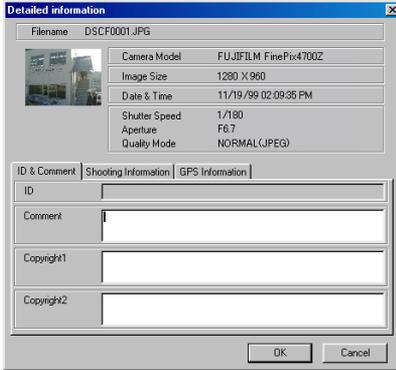


Macintosh

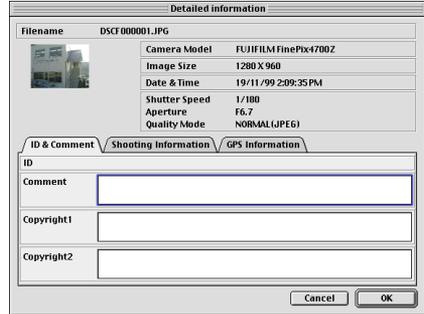
## 9. Viewing the image information

To view the image information, select a thumbnail and click the  button or select [Information] from the [File] menu. The image information dialog box then appears.

Image information dialog box



Windows



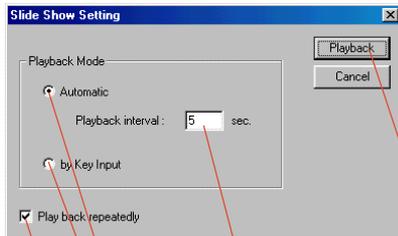
Macintosh

-  **NOTE:**
- Because the Exif Viewer shows the shutter speed and aperture settings using the values used by conventional cameras, the information may not match the settings used on a digital camera.
  - Only ASCII text characters can be entered in the copyright field.

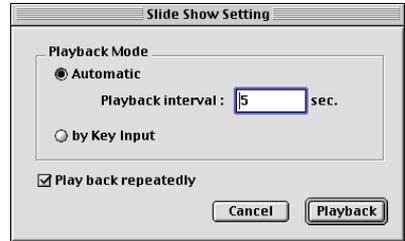
## 10. Viewing a slide show

When you select [Slide Show] from the [File] menu, the [Slide Show Setting] dialog box opens and you can run a slide show. The slide show displays the image files in the thumbnail display area.

Slide Show Setting dialog box



Windows



Macintosh

[Playback] button:  
Starts the slide show.

[Playback interval] input field:  
Specifies the playback interval (in seconds) for images. This value can be specified when the [Automatic] option button is selected as the playback mode. Settings from 1 second to 30 seconds can be specified.

[Playback Mode] option buttons:  
These can be used to select the playback mode. The available options are [Automatic] or [by Key Input].

[Play back repeatedly] check box:  
Click this check box when you want to play the slide show as a repeating loop.

### Slide show playback

[by Key Input] playback:

If you select [by Key Input] as the playback mode and then click the [Playback] button, the first image is displayed. You then press the right arrow (->) and left arrow (-<) keys to view the next and previous images respectively.

### To end a slide show

To end a slide show, click the mouse or press the [Esc] key (Windows) or [Command] + [.] (Macintosh).

## 3. Working With Image Files

### 1. Selecting images

Images in the Main Window can be selected in the following ways.

#### To select one image:

Clicking a thumbnail image selects the image.

#### To select all the images:

From the [Edit] menu, select [Select All] to select all the images in the thumbnail display area.

#### To select multiple images using the keyboard:

You can select several images by holding down the [Ctrl] key (Windows) or [Shift] key (Macintosh) as you click the images one after the other.

#### To select multiple images using the mouse:

When you drag the mouse over the thumbnails, all the images in the drag box are selected.

### 2. Moving and copying images

Use any of the following methods to move an image file from one location to another on the same drive (Windows) or disk (Macintosh).

- A. Drag the thumbnail image from the thumbnail display area in the Exif Viewer and drop it onto the desktop.
- B. Drag the thumbnail image from the thumbnail display area in the Exif Viewer and drop it onto the folder tree display area.
- C. Drag the image file from the desktop and drop it onto the Exif Viewer window.

Images cannot be copied from the personal computer to a SmartMedia loaded in the camera.

If the file is dragged to a location on a different drive (Windows) or disk (Macintosh), the image file copied to that drive.

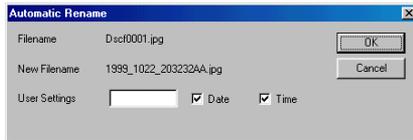
### 3. Renaming image files

You can rename an image file simply by clicking in the file name display area and typing in a new file name.

#### Automatic renaming

When you select the image to be renamed and select [Automatic Rename] from the [File] menu, the [Automatic Rename] dialog box opens and you can specify the file name format.

[Automatic Rename] dialog box



Windows



Macintosh

This allows you to change the name of the selected file to name containing the date, time and the specified text in a single operation. [Automatic Rename] replaces the file name using the procedure shown below.

For example, when the selected image was shot at 9.21 and 15 seconds on March 3, 2000, and [TARO] was entered in the [User Settings] field, the new name assigned is as follows:

[Date] and [Time] specified -> "TARO2000\_0303\_092115AA.JPG"

[Time] only specified -> "TARO092115AA.JPG"

[Date] only specified -> "TARO2000\_0303AA.JPG"

Where the new file name will duplicate an existing file name, the two letters appended to the end of the name are automatically incremented alphabetically to prevent duplication.

If a non-Exif image file or a file with no photography date or time information is automatically renamed, the file's time stamp is automatically used.

### 4. Deleting images

To delete an image, select the image to be deleted and select [Delete] from the [File] menu or press the [Delete] key (Windows).

## 4.Editing Images

### 1.Image window

To edit an image, begin by opening the image you want to edit. You can open the image for editing by either double-clicking the thumbnail image directly or by selecting the thumbnail and doing one of the following:

- A. Click the  button.
- B. Select [Open] from the [File] menu.

If an image processing application has been registered, the image is opened in the registered application.

Image Window



Windows



Macintosh

**Image display area:**

Displays the image.

**Window frame:**

Basic information for the image is displayed in the window frame.

### 2.Cropping (Trimming) the image

You can specify a selected portion of the image to be cropped by clicking the  button in the Toolbar or by selecting [Marquee tool] from the [Image] menu. You can then use the mouse to move, enlarge or reduce the trimming frame that appears on the image. When you have selected the desired section of the image, click the  button in the Toolbar or select [Crop] from the [Image] menu to trim the selection.



**TIP:**

You can cancel the last trimming operation performed by selecting [Undo] from the [Edit] menu.

### 3. Copying the image to the clipboard

By selecting [Copy] from the [Edit] menu, you can copy the selected section of the image to the clipboard.

### 4. Changing the image size

When you click the  button in the Toolbar or select [Image Size] from the [Image] menu, the [Image Size] dialog box opens. In this dialog box you can change the image size to a setting between 160 x 120 and 4,096 x 4,096.

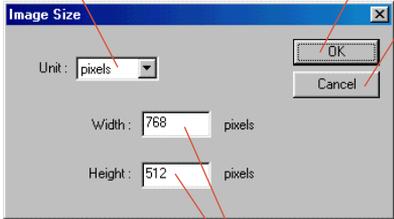
[Image Size] dialog box

**[Unit] pop-up menu**  
Allows you to select pixels or percentages (%) as the unit.

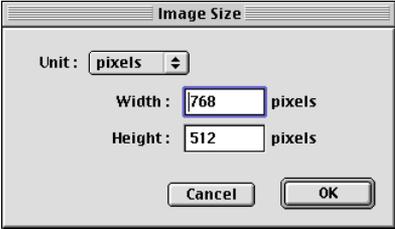
**[OK] button**  
Changes the image size according to the specified values.

**[Cancel] button**  
Closes the dialog box without changing the image size.

**[Width] and [Height] input fields**  
Enter the image width and height in these boxes, using the units selected from the [Unit] pop-up menu. When you enter a value in one box, the value in the other box automatically changes to maintain the aspect ratio of the image.



Windows



Macintosh



**TIP:** You can cancel the last image size change performed by selecting [Undo] from the [Edit] menu.

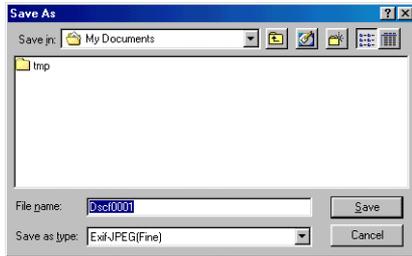
### 5. Rotating the image

You can rotate the image 90° left or right by clicking the  /  button in the Toolbar or by selecting [Rotate Left / Rotate Right] from the [Image] menu.

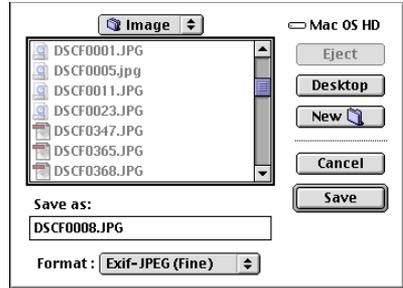
## 6. Saving the image

When you click the  button or select [Save As] from the [File] menu, the [Save As] dialog box appears. Use this dialog box to specify the file format and destination folder before saving the image.

[Save As] Dialog Box



Windows



Macintosh

 **NOTE:** Exif Viewer can save the following file formats: Exif-JPEG, Exif-TIFF, BMP (Windows version), PICT (Macintosh version).

## 7. Registering an image viewing application

When you open an image using the default software settings, it is displayed by Exif Viewer.

To use a pre-installed image viewing application, drag the application's file icon or its shortcut (Windows) or alias (Macintosh) and drop it in the registered application program display area (->P.7). The application then becomes the registered image viewing application and from that point on is used to display the image when an image is opened.

To remove a registered application, select [Remove Registered Application] from the [File] menu or drag the registered application's icon out of the registered application area and drop it onto the desktop.

The following image processing applications have been confirmed as being compatible with Exif Viewer .

- Adobe PhotoDeluxe 2.0 (for Macintosh)
- Adobe PhotoDeluxe HE 3.0 (for Windows)
- Adobe Photoshop 4.0
- Adobe Photoshop 5.0
- Adobe Photoshop 5.5
- FUJIFILM EZtouch Ver. 3.3

## 5. Printing the image

### 1. Page setup

When you select [Page Setup] from the [File] menu, the standard [Page Setup] dialog box appears. You can use this dialog box to specify parameters such as the paper size and orientation.

### 2. Printing

When you select the image and click the  button or select [Print] from the [File] menu, the standard [Print] dialog box for the currently connected printer appears. You can print the image from this dialog box.

Print dialog box

**[Center Image] check box:**

Click this box to position the printed image in the center of the paper. When this box is not checked, the image is printed in the top left corner of the page.

**[Adjust to paper size] check box:**

Click this check box to print the image so that it fills the page. When this box is not checked, the image is printed using the original image dimensions.

**[Adjust to paper size] option buttons:**

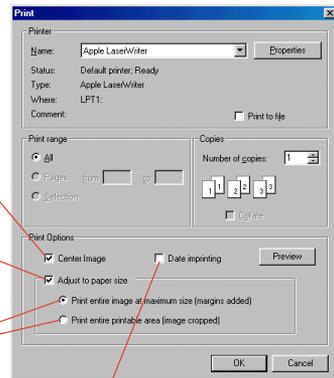
These options are available when the [Adjust to paper size] check box is checked.

- **Print entire image at maximum size (margins added)**

This option prints the image enlarged or reduced with the aspect ratio maintained so that none of the image overlaps the page. The image is not trimmed.

- **Print entire printable area (image cropped)**

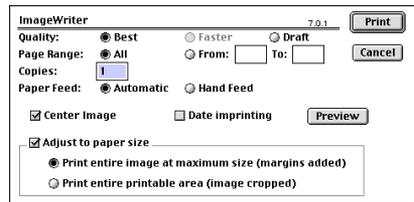
This option prints the image enlarged or reduced so that it fills the printable area on the page, while maintaining the aspect ratio of the image. Portions of the image that overlap the page are trimmed off.



Windows

**[Date imprinting] check box:**

Click this checkbox to imprint the date on your image.



Macintosh

\* The [Print] dialog box displayed by the [Properties] button differs depending on the printer driver you are using. (Windows)

\* Items other than the [Center Image] check box, [Date imprinting] check box, [Adjust to paper size] check box and option buttons, and the [Preview] button all vary depending on the printer driver you are using.

Preview**[Preview] button:**

Click this button to see a preview of the image to be printed.

Cancel**[Cancel] button:**

Click this button to stop printing and close the [Print] dialog box.

OK**[OK] button (Windows) or [Print] button (Macintosh):**

Click this button to start printing using the currently selected settings.

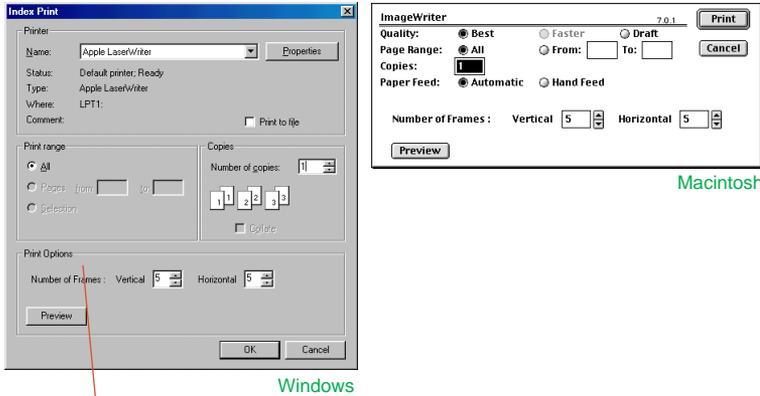
Print**TIP:**

**(Macintosh)** If you are imprinting the date using Mac OS 8.5 or later, you can change the font used for imprinting by opening the "Appearance" Control Panel and changing the "Large System Font" setting in the "Fonts" tab.

### 3. Printing an index

If you select several images and then select [Index Print] from the [File] menu, the [Index Print] dialog box opens. You can then use this dialog box to print an index of the images.

[Index Print] dialog box



**[Number of Frames]:**

Specifies the number of frames vertically and horizontally. Click the [▲] and [▼] buttons to change the number of frames printed.

\*The [Print] dialog box displayed by the [Properties] button differs depending on the printer driver you are using. (Windows)

Preview

**[Preview] button:**

Click this button to see a preview of the images to be printed.

Cancel

**[Cancel] button:**

Click this button to stop printing and close the [Index Print] dialog box.

OK

**[OK] button (Windows) or [Print] button (Macintosh):**

Click this button to start printing using the currently selected settings.

Print



**TIP:**

**(Macintosh)** If you are printing an index using Mac OS 8.5 or later, you can change the font used for printing filenames by opening the "Appearance" Control Panel and changing the "Large System Font" setting in the "Fonts" tab.

## 6. Exiting Exif Viewer

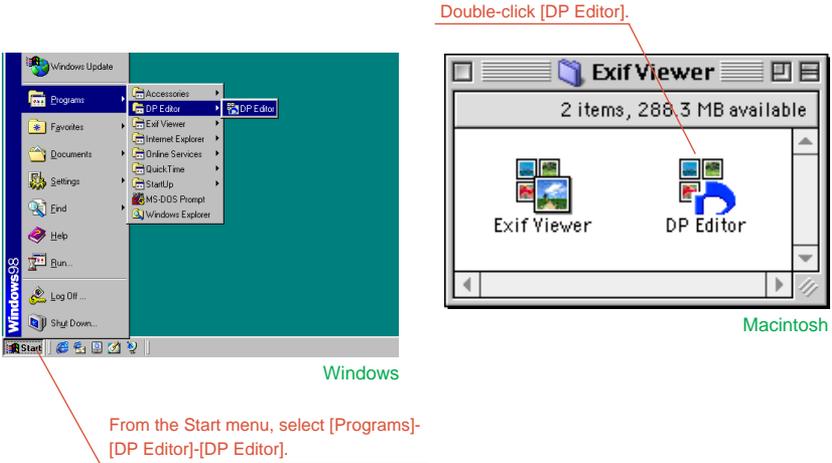
To exit Exif Viewer, select [Exif] (Windows) or [Quit] (Macintosh) from the [File] menu or click the [Close] button (Windows) or [Close] box (Macintosh) in the Main Window.

# Ordering Prints (Using DP Editor)

## 1.Starting Up DP Editor

- A. **Startup using the Windows Start menu**  
**Startup using the DP Editor icon on a Macintosh**

Screen at startup



- B. **Startup from Exif Viewer**

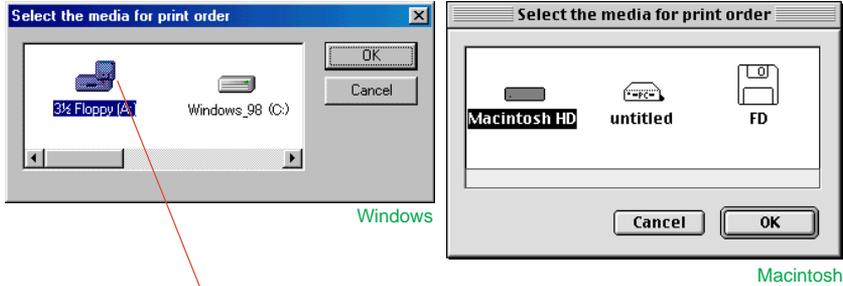
Select [Print Order] from the Exif Viewer [File] menu or click the [  ] button.

- NOTE:**
- Because the [Select Media] dialog box is displayed when the DP Editor starts up, load the media on which the ordering information is to be recorded (SmartMedia, floppy disk, MO disk, etc.) into the appropriate drive before you start up DP Editor.
  - Remove any write protection from the media used by DP Editor.

## 2. Selecting the Media

The [Select Media] dialog box is displayed immediately after DP Editor starts up and when you select [Select Media] from the [File] menu. Use this dialog box to select the media on which the ordering information is to be recorded.

[Select Media] dialog box



**Media display area:**

Displays all the drives currently connected to the PC. (Windows)

Displays all the disks currently connected to the PC. (Macintosh)



**[OK] button:**

Select a media and click this button. The Main window then appears.



**[Cancel] button:**

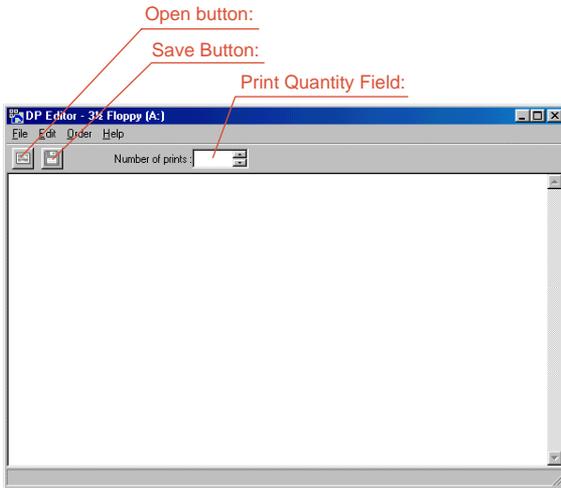
Click this button to cancel media selection. The [Select Media] dialog box closes. If you click this button immediately after DP Editor starts up, DP Editor quits.

### 3.Registering Ordering Information

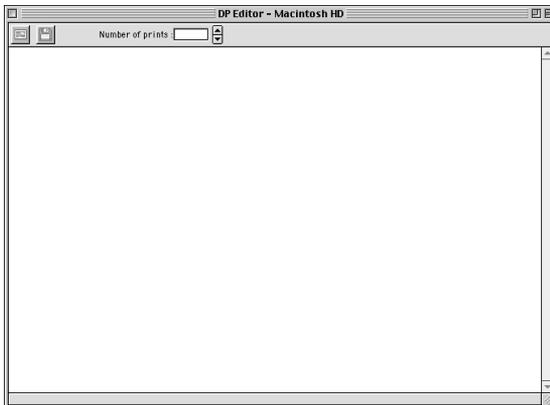
#### 1.Main Window

Once you select a media the Main window appears.

Main window



Windows



Macintosh

**NOTE:** If DPOF information is already recorded on the selected media, the index icons and thumbnails will appear in the window.

## 2.Registering Images

### Selecting Images

- A. To register an image, drag the thumbnail image from the desktop or the Exif Viewer thumbnail display area and drop it in the Main window.
- B. Select [Set Print Order] from the [Order] menu to open the [Open] dialog box. Specify the images from this dialog box.

 **NOTE:** The images that can be registered are in the Exif-JPEG, Exif-TIFF or JPEG file format and measure at least 640 x 480 pixels. Images in other formats cannot be registered.

#### \* Selecting images

Use the procedures below to select images in the Main window or Index window.

##### To select one image:

Click the thumbnail to select the image.

##### To select all the images:

You can select all the images in the Main window or Index window (->P.29) by selecting [Select All] from the [Edit] menu.

##### To select multiple images using the keyboard:

You can select several images by holding down the [Ctrl] key (Windows) or [Shift] key (Macintosh) as you click the images one after the other.

##### To select multiple images using the mouse:

When you drag the mouse over the thumbnails, all the images in the drag box are selected.

### Specifying the number of prints

If you select a registered image and click the  button, you can specify the number of prints for the selected image.

You can also select multiple registered images (including combinations of thumbnails and index icons) and specify the number of prints.

 **NOTE:** Values from 1 to 999 can be specified as the number of prints. To cancel the request for prints, select the thumbnail or index icon and then select [Cancel Print Order] from the [Order] menu.

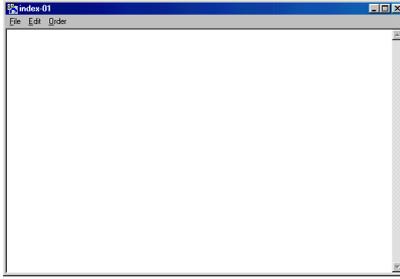
 **TIP:** You can also specify the number of prints by entering a number in the [Number of prints] field.

### 3.Editing Index Print Information

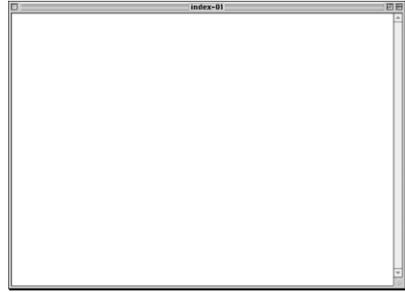
#### Index window

To open a new Index window, select [New Index] from the [Order] menu.

Index window



Windows



Macintosh

Use the Index window to register images for which you want index prints.

#### Adding images

To add an image for which you want an index print:

- A. To register an image, drag the thumbnail image from the desktop or the Exif Viewer thumbnail display area and drop it in the Index window.
- B. Select [Set Print Order] from the [Order] menu to open the [Open] dialog box. Specify the images from this dialog box.

 **NOTE:** The images that can be registered are in the Exif-JPEG, Exif-TIFF or JPEG file format and measure at least 640 x 480 pixels. Images in other formats cannot be registered.

## 4. Undo Image registration

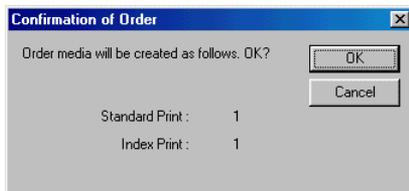
To undo a registered image, select the thumbnail or index icon and then select [Cancel Print Order] from the [Order] menu.

## 5. Confirming an Order (Saving an Order)

When you click the  button or select [Save] from the [File] menu, the [Confirmation of Order] dialog box appears. Check the order details and then click the [OK] button to record the order information.

The registered information is then recorded on the media selected in the [Select Media] dialog box.

[Confirmation of Order] dialog box



Windows



Macintosh

In standard printing, one picture will be printed on each page. In index printing, multiple images are printed onto one page.



### [OK] button:

Click this button to record the order information on the selected media.



### [Cancel] button:

Click this button to close the [Confirmation of Order] dialog box without saving the order.



**NOTE:** Once you have saved the order information to a media, do not move, delete or otherwise modify any files on the media before actually ordering the prints as this will prevent the prints from being ordered as specified.

## 6. Displaying Registered Images

### Image window

Image Window



Windows



Macintosh

#### Image display area:

Displays the image. The zoom scale for the display is shown in the title. A trimming frame are shown on the image.

#### Window frame:

Displays the trimming range, rotation angle and description settings.

### Enlarging / Reducing the displayed image

To enlarge or reduce the image displayed, switch to the enlarged or reduced display mode by clicking the [🔍] or [🔍] button in the Toolbar or by selecting [Zoom In Tool] or [Zoom Out Tool] from the [Image] menu. Clicking the mouse on the image then enlarges or reduces the image using the clicked point as the center of the image.

### Scrolling around the image display

You can use the scroll bars in the Image window to scroll to different parts of the image. Also, by clicking the [🖱️] button in the Toolbar or selecting [Hand tool] from the [Image] menu, you can switch to free scroll mode which allows you to move the image around inside the window by dragging it around with the mouse.

## 7. Trimming a Registered Image

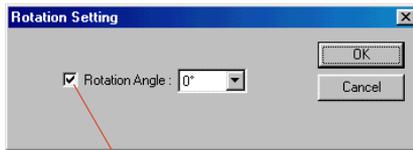
You can specify a selected portion of the image to be trimmed by clicking the  button in the Toolbar or by selecting [Marquee Tool] from the [Image] menu. You can then use the mouse to move, enlarge or reduce the Cropping frame that appears on the image.

 **NOTE:** The trimming frame measures 640 x 480 pixels. Smaller frames cannot be specified.

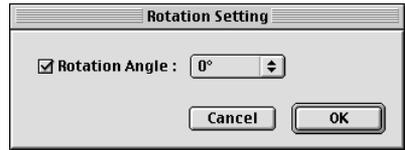
### Setting the rotation for a registered image

When you click the  button in the Toolbar or select [Rotation Setting] from the [Image] menu, the [Rotation Setting] dialog box appears. Use this dialog box to specify the rotation angle.

[Rotation Setting] dialog box



Windows



Macintosh

**Check box:**

Clicking this box allows you to set the rotation angle.



#### [Rotation Angle] pop-up menu:

Use this menu to select the rotation angle. The available rotation settings are 0°, 90°, 180° and 270°.



#### [OK] button:

Click this button to record the rotation angle setting for the image.



#### [Cancel] button:

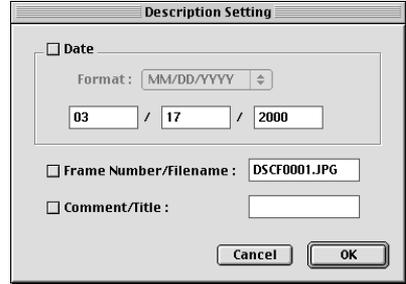
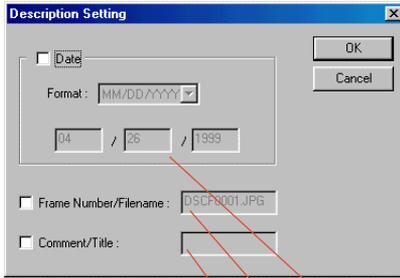
Click this button to cancel the rotation angle setting and close the [Rotation Setting] dialog box.

 **NOTE:** Merely setting the rotation angle does not rotate the displayed image.

### Setting the print information for a registered image

When you click the  button in the Toolbar or select [Description Setting] from the [Image] menu, the [Description Setting] dialog box appears. Use this dialog box to set the printing information for a registered image.

[Description Setting] dialog box



Windows

Macintosh

[Date] input field:

Enter the date in this field.

[Frame Number / Filename] input field:

Use this field to enter the frame number or filename.

[Comment / Title] input field:

Use this field to enter a comment or title.

### To print the date...

- 1) Click the [Date] check box.
- 2) To print a different date, enter the date in the [Date] input field.

### To print the frame number or filename

- 1) Click the [Frame Number / Filename] check box.
- 2) Enter the frame number or filename in the [Frame Number / Filename] input field. Specify the frame number or filename using no more than 12 ASCII characters.

### To print a comment or title...

- 1) Click the [Comment / Title] check box.
- 2) Enter the comment or title in the [Comment / Title] input field. Specify the comment or title using no more than 12 ASCII characters.



**[OK] button:**

Decide the print details and then click this button to record the print information.



**[Cancel] button:**

Click this button to discard the print settings and close the [Description Setting] dialog box.

## 8. Exiting DP Editor

To exit DP Editor, select [Exif] (Windows) or [Quit] (Macintosh) from the [File] menu or click the [Close] button (Windows) or [Close] box (Macintosh) in the Main window.

### ■ DPOF

DPOF (Digital Print Order Format) is a data format used for recording information specifying which images are to be printed along with the number of prints, and then recording that information on storage media. If DPOF information is supplied to a DPOF-compatible printer, the printer automatically prints only the specified number of prints of the specified images.

# II. When Problems Arise

## Troubleshooting

### Problems with Exif Viewer

Message	Cause	Solution
Movie files or FlashPix files cannot be used because QuickTime is not installed or the version is old.	Quicktime is not installed or the version installed is older than version 4.	Install Quicktime 4.
Folder not found.	You were working with a folder on a removable disk and the disk has been removed.	Re-insert the disk.
	The folder you were working with has been deleted or moved.	Use the [Refresh] menu.
"Filename" not found.	You were working with a file on a removable disk and the disk has been removed.	Re-insert the disk.
This file format cannot be used.	A file with a format not supported by Exif Viewer was accessed.	Use a file format supported by Exif Viewer (Exif-JPEG, Exif-TIFF, JPEG (baseline only), BMP (Windows version), PICT (Macintosh version), FlashPix or AVI).
The file with the same name as "filename" already exists. Overwrite?	The folder on which you dropped the file already contains another file with the same name.	To avoid overwriting the existing file, rename the file being dropped or rename the file in the target folder.
The folder with the same name as "filename" already exists.	The folder on which you dropped the file already contains a folder with the same name.	Rename the file being dropped or rename the folder in the target folder.
Disk or folder is write-protected.	The folder or disk to which you attempted to write the file is write-protected.	Remove the write-protection from the disk or folder.
	Some digital camera models do not have a Write function.	Specify another writable disk as the save destination for the image data. Alternatively, copy the image data in the camera to another writable disk and then process the copied data.
Insufficient disk capacity. Process aborted.	There is not enough available disk space.	Switch to a new disk, or create space by deleting some unneeded files on the disk.

## II. When Problems Arise

Message	Cause	Solution
Cannot move "filename". Copy?	The file you attempted to move is on a write-protected disk.	Remove the write-protection from the disk.
	The file you attempted to move is being used by another application.	Quit the application that is using the file.
"Filename" is in use.	The selected file is being used by another application.	Quit the application that is using the file.
The files may not be used correctly. OK?	A file with the same file number already exists in the write destination.	Change the number of the file being written.
File is locked.	An attempt was made to modify a write-protected file.	Open the file properties and uncheck the [Read-only] attribute (Windows) or use the [Get Info] command to uncheck the [Locked] check box (Macintosh).
"Filename" is broken or not in the usable format.	The attempt to read the file failed.	This file is not supported by Exif Viewer and cannot be used.
Window cannot be opened any more.	No more than 20 windows can be opened.	To open the images in a window, select no more than 20 images.
Filename includes an illegal character. (Windows)	The filename contains a character that cannot be used ("\", "/", "?", etc.).	Delete the illegal character.
The file with the same name already exists.	A file exists with the filename you entered.	To avoid duplicating an existing file name, use a different file name.
Image size is smaller than the specified size.	This image size cannot be saved in the Exif format.	Save the image as a BMP or PICT file.
Automatic rename failed. Process aborted.	The duplication of filename could not be avoided as there are too many images with the same date and time.	Reduce the number of files processed by the Automatic Rename function.
Part of "filename" will be cropped because the image is larger than the printer output size.	The image in the file being printed is bigger than the paper size.	Print using the [Adjust to paper size] option.

## II. When Problems Arise

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Message	Cause	Solution
Registered application not found.	The registered application has been deleted or moved.	Re-register the application.
Could not execute the registered application.	The application is damaged.	Re-install the application or register another application.
	Insufficient memory. (Macintosh)	Quit any other applications that are running.
Could not create a temporary file. Process aborted.	A temporary file could not be created when an Exif-TIFF-YC file was opened as there was insufficient disk space.	Increase the amount of space available on the disk on which Exif Viewer is installed.
Could not execute the order application.	DP Editor could not be found or is damaged.	Install DP Editor.
Printer not found.	No printer is selected.	Specify the printer in the [Settings] - [Printers] menu. (Windows)
		Select the printer in the Chooser. (Macintosh)

**An error message appears when trying to open multiple images at once when Exif Viewer is used with Photo Deluxe HE 3.0.**

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**Solution:** Open the images one at a time.

## II. When Problems Arise

### Problems with DP Editor

Message	Cause	Solution
Insert an order media.	The order media is not inserted in the drive.	Load the media into the drive.
	The media is not formatted.	Format the media.
Existing DPOF file cannot be used.	The existing DPOF file contains an error.	Create a new DPOF file.
Existing DPOF file contains an error. These orders will be ignored.	The settings in the existing DPOF file contain an error.	The erroneous settings are ignored.
"Filename" not found.	You were working with a file on a removable disk and the disk has been removed.	Re-insert the disk.
	The file being used has been deleted or moved.	Cancel the print order for the file.
"Filename" is broken or not an usablefile.	The file is corrupted or is in a format that is not supported. Alternatively, the image size is smaller than 640 x 480.	Use a file format supported by DP Editor (Exif-JPEG, Exif-TIFF or JPEG) and an image size no smaller than 640 x 480.
Window cannot be opened any more.	No more than 20 windows can be opened.	To open the Image windows and the Index windows, select no more than 20 thumbnails and index icons.
Order media is write protected.	The media is write protected.	Remove the write protection from the media.
	Some digital camera models do not have a Write function.	To create an order file on a SmartMedia, disconnect the camera and use the Image Memory Card Reader SM-R2 or PC Card Reader PC-AD3.
Insufficient order media capacity.	There is not enough space available on the media.	Use a media with sufficient free space as the order media.
Cannot create an order folder.	The DCIM folder on the order media already contains a folder numbered 999.	Use a new media.
The number of orders is full. Cannot order any more.	There are too many registered standard prints and index prints.	Register using a new media.

## II. When Problems Arise

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### ■ Common Problems

Message	Cause	Solution
This application requires Windows 95 / NT4.0 or later.	The application will not run because your version of Windows is too old.	Upgrade to Windows 95 or Windows NT 4.0 or later.
This application requires Mac OS 8.1 or later.	The application will not run because your version of the Macintosh system software is too old.	Upgrade to Mac OS 8.1 or later.
Not enough memory. Process aborted.	There was not enough memory.	Quit any other software programs that are running. Alternatively, set virtual memory in the [System] control panel. (Windows)
		Select the Exif Viewer/DP Editor program file and use the [Get Info] command to increase the "Preferred Size" setting in the memory requirements. (Macintosh)
I/O error occurred. Process aborted.	Fault in the drive unit or disk.	Check for problems in the drive unit, or use an error-free disk.

# III. Appendix

## Glossary

### AVI

Acronym for Audio Video Interleaved. An movie format.

### BMP (bitmap)

Standard format for image data in Windows. The file extension for bitmap files is ".bmp".

### DPOF

A format used for recording information specifying the images to be printed on a media.

### Exif

A full-color image format for digital still cameras. This format is compatible with TIFF and JPEG and is supported by most image processing software. This format stipulates the recording method for thumbnail images and camera information.

### JPEG

The standardization of still image compression technology, or the standard itself. JPEG allows effective image compression. However, because some of the original image data is lost during compression, the image generated from the expanded data is not precisely the same as the original image, though the degree of variance differs depending on the compression ratio. Compression ratios vary from 10:1 to 100:1.

### Mac OS

The basic system software (operating system) used on Apple Macintosh computers.

### PICT

Standard format for image data on Macintosh computers.

### TIFF-YC

A TIFF recording format.

### Application software

Software used for a specific purpose, such as word processing, spreadsheets or graphics.

### Install

The process of setting up software on a PC. In most cases, software installation comprises the copying of the software from floppy disks or CD-ROM to the hard disk in a PC.

### Clipboard

A location used to temporarily store cut or copied data. Data in the clipboard can be pasted into other applications. However, the data cannot be pasted into applications that do not support the data format.

## III. Appendix

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### Grayed out

A status used for menu items and buttons that are displayed in pale gray and cannot be selected.

### Thumbnail

A small copy of an image.

### Automatic Rename

The automatic assigning of names to files. In Exif Viewer, when multiple images are automatically renamed at the same time, filenames are assigned based on the date and time of photography.

### Scroll bar

Bars that allow you to move an image up, down, left and right in small increments so that portions not shown in the window can be viewed.

### Dialog box

A window used for specifying settings.

### Time stamp

The time stamp records the date on which a file was last updated.

### Drive

A peripheral device used by PCs to store files.

### Drag

The action of moving the mouse with the mouse button held down.

### Drag and drop

The process of clicking the mouse on an icon or thumbnail, holding the mouse button down as the mouse is moved to another location, and then releasing the mouse button to "drop" the icon or thumbnail. This procedure can be used to move or copy files.

### Cropping (Trimming)

The action of cutting off unwanted portions of an image.

### Pixel

Equivalent to picture element or dot. The minimum unit used in computer graphics.

### File number

The final 4 digits used in the filenames for images shot on DCF-compliant digital cameras. DCF is a standard image format for digital cameras. This format allows image files to be exchanged easily among DCF-compliant cameras and printers.

### Folder tree

An hierarchical structure for folders containing files.

### III. Appendix

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#### Preview

An image displayed as it will be printed.

#### Pop-up menu

A type of menu. When clicked, it displays a list of selections.

#### Removable disk

Media that can be removed, including floppy disks, MO disks and Zip cartridges.



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